

Dr AMARAVEL RAMALINGAM

**MANAGING DIRECTOR & CHIEF EXECUTIVE OFFICER,
INTERNATIONAL INFRA STRUCTURES TECHNOLOGY SPECIALISTS, BANGALORE-560016
BRIDGES & STRUCTURES STRENGTHENING SPECIALISTS**

Project Designs Profile & QR Code

<https://docs.google.com/document/d/1LKe4cVUQIZkGs6sr1JwF-9NHERREIMfm/edit>



CV Profile & QR Code

<https://docs.google.com/document/d/1dGAZoLRH2jXqh247cSyVUaYJSCa0rA2q/edit>



I have immense expertise and experience for 38 years in Design and Review of the following bridges and structures, including Modifications and Revisions, for the following Design projects	
Building Design and Drawings,	Prestressed Concrete Bridges
File Foundations,	Wing Walls for IRS Loadings
Pipe Culverts for IRS Loadings,	Speed Restriction Calculations,
Abutment, and Piers	Return Walls
Steel Designs	RCC Structural Designs,
Road Over Bridge,	Powerline Crossings,
Catch Sidings (Track Section)	Bridge Test Load Assessments
Adequacy Design for Stone Slabs,	Arch Test Loads and Design of Arch Bridges
Retaining Walls Near Railway Track	Bridge Slabs Designs and Verifications for IRS Loadings,
Design and Verifications of Reinforced Cement Concrete Single Boxes for Straight, Skewed and Curved Tracks with Varying Fill	Design and Verifications of Reinforced Cement Concrete Twin Boxes for Straight, Skewed and Curved Tracks with Varying Fill ,
Stability Analysis of Gravity Structures-Abutments	Stability Analysis of Gravity Structures- Piers,
Stability Analysis of Gravity Structures- Wing Walls	Return Wall for IRS (Indian Railway Standard) Loadings,
Decision Notings	
PROFIL	https://docs.google.com/document/d/1dGAZoLRH2jXqh247cSyVUaYJSCa0rA2q/edit
E VISIT:	https://docs.google.com/document/d/1LKe4cVUQIZkGs6sr1JwF-9NHERREIMfm/edit

1. SUMMARY

Bridge Design Engineer with almost 36 years of hands-on design experience with bridges of varying complexity. Possessing a comprehensive design background of various bridge types with a proven record of finding solutions to difficult problems. I have started my carrier as a Spread sheet Developer in the beginning and developed various kinds of structural design applications and development like RCC Box Design, retaining wall Design, Prestressed concrete girder design, Steel girder design, Mix Design and Neoprene bearing etc., With i have above to handle independently projects in structural design firm to make structural design calculation using Microsoft excel spreadsheet using Railway codes and IRC codes.

I specialize bridge Analysis and design calculations completely with that good experience, I have worked in government sector projects and prove myself in various kinds of designs such as RCC Box structures, Culverts, Railway Tunnels, Railway Boxes (RUB/ROB), Highway Bridges, Railway Bridges, Station Buildings, Residential structures, Steel Structures, Steel Bridges, Composite Bridges, Bowstring Bridges PT slabs, Gantry structures, Machine Foundations etc.,

2. HIGHLIGHTS

- a. Post-tensioned concrete girder bridges and steel girder bridges design experience.**
- b. Experienced with substructure design in difficult soil conditions including lateral spread and liquefaction**
- c. Working with project office staff and contractors to find solutions to structural issues.**
- d. Knowledge with various analysis software like CSI SAP, CSI Bridge, Midas Civil and STAAD Pro.**
- e. Experienced with bridge rehabilitations, Expansion joint replacement, and Bridge Bearing replacement, structural crack injection including emergency and maintenance repairs.**
- f. Analysis and design of bridges, retaining walls and other transportation related structures of varying complexity.**
- g. Preparation of plans for bridge construction contracts, as well as special provision writing and review and quantity calculation.**

h. Preparation of detailed structural bridge design calculations using Manual calculation using Microsoft Excel, Analysis and Design software.
i. Designing and detailed repair plans for buildings and bridges.
j. Load rating of complex bridges and truss gusset plate rating.
k. Contractor submittal review and serving as Bridge Technical Advisor for bridge construction projects.
l. Condition inspection of existing bridges, preparation and review of inspection reports.
m. Proficiency in displacement based seismic design according to the AASHTO, IRC, IRS codes.

3.ENGINEERING EXPERIENCE IN CHRONOLOGICAL ORDER

Dates	Employer / Client (if self-employed / consultant)	Job Title	Major job responsibilities
Dec 1985- Jan-1987	R. Gautham, Railway Contractor, Bommidi, Tamil Nadu	Site Engineer	In charge of construction works and Maintenance
Jul 1987- March1988	Bangaru Adigal, Adhiparasakthi Polytechnic, Melmaruvathur, Tamil Nadu	Lecturer	Teaching Faculty
Aprill 1988- Sep 1992	Chief Personnel Officer, Southern Railway, Chennai.	Design Assistant	Design of PCC, RCC, PSC and Steel; structures for IS, IRS and IRC loadings

Oct 1992- Jan 2001	Chief Personnel Officer, Southern Railway, Chennai.	Chief Design Assistant	Verification of Design of PCC, RCC, PSC and Steel; structures for IS, IRS and IRC loading.
Feb-2001- Sep 2008	Chief Personnel Officer, Southern, Railway, Chennai.	Senior Section Engineer / Design & Drawing.	Verification of Consultant Design of PCC, RCC, PSC and Steel; structures for IS, IRS and IRC loadings
Oct 2008- Aug 2018	Chief Personnel Officer, Southern Railway, Chennai.	Senior Section Engineer/Design (GP-8)	Scrutiny of Consultant Design of PCC, RCC, PSC and steel; structures for IS, IRS and IRC loadings
Sep 2018- May 2024	Chief Personnel Officer, Southern Railway, Chennai.	Senior Section Engineer/Design (GP-9)	Verification and Acceptance of Consultant Design of PCC, RCC, PSC and steel; structures fir IS, IRS and IRC loadings
June 2024- Till Date SELF EMPLOYED	International Infrastructure Technology Specialists, Bangalore-560016.	Managing Director / Chief Executive Officer	Project Management etc. Proof Checking of Consultant Design and Drawings of PCC, RCC, PSC and steel; structures for IS, IRS and IRC loadings, and all civil engineering designs. Valuation of structures

 INTERNATIONAL INFRASTRUCTURE TECHNOLOGY SPECIALISTS Dr. Amaravel .R., PE (I), CEO, IITS, Vijinapura Mob : +91 9483217548 Email : dravnaiduprojects1008a1@gmail.com PE (India Certification) No. PE7007383 MSME : UDYAM-KR-03-0415743 • Buildings Stability Analyser • Bridge Design Developers • Catch Siding Designers • Proof Design Reviewers • Structural Design Experts • Test Load Evaluators (For MCC, PCC, PSC, RCC, Steel Structures of Road & Railways)		   Dr. Amaravel .R B.E (Civil), ME(Structures), Ph.D (IIT MADRAS) MIRC, MIPWE, FIV, FIIBE, FIE(IEINDIA) No. 74, 3rd Cross Street, R.R. Layout, Vijinapura, Dooravani Nagar, Bangalore - 560016. Karnataka, India. Mob : 8884969934 Email : dramaraveljournal108a1@gmail.com
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4. PROFICIENCIES

a. Specialization:

RCC, Steel and MCC Design of Bridges and Structures, Load Testing Scheme, Scheme for Strengthening of Bridges, Retrofitting of Structures, for Indian Railway Standard, Indian Roads Congress and Indian Standard Loadings including Geotechnical and Other Civil Structures. (Annexure-11)

b. Core Competencies:

Proof Checking the Design of all MCC, RCC, PSC and Steel Structures including Preparation of Testing/Rehabilitation Schemes. (Annexure-11)

c. Design/Patents/Innovation / Major Project Handled Details:

Strengthening Design of Major Bridges and Load testing of PSC/Steel Superstructures of Bridges and test load calculation for pile load testing. (Copy of award for strengthening design is enclosed). (Annexure-11)

d. Management / Leadership:

I Had been in charge of Design Section of Construction Unit of South Western Railway, Bangalore-560046. (Annexure-11)
e. Special Achievements if any:
1.Design of framed retaining wall and strengthening of counterfort retaining wall.
2 Design of counter port abutment
3. Design of retaining wall without weep hole.
4. Design of railway steel sleepers and catch sidings.
5. Design of steel plate and open web girders.
6.Design of RCC single and twin box culverts for straight, skew and curved alignments and segmental box culverts etc.
7. Checking adequacy of MCC, RCC, PSC and Steel structure of railway and roadway bridges.
8.Checking gantry girders, framed buildings and industrial structures. (Annexure-11)

5. BOOKS/ARTICLES/RESEARCH/TECHNICAL REPORTS WRITTEN BY APPLICANT		
Title	Date of Finalization	Published by/Submitted to
1. Evaluation of Remaining Life in Years for The Damaged RCC Bridges-Review (Railway Loadings)	13-03-2015	ICES & ASCE,” Proceedings of International Conference on Sustainable Energy and Built Environment”, ISBN:978-81-923320-6-2

6. THESIS REPORTS (SELF)

Sl no	Year	For the Degree of	Title of thesis	Team	Institute
1	Dec,1985	B.E.(Civil)	Analysis and Design of Reinforced Concrete Chimneys,	Amaravel R, Alengaram U, Poongodi C, Seethalakshmi R Sanajay Kumar Atri,	Govt College of Engineering, Salem, Madras University
2	Jan,1996	M.E. (Structural Engineering)	Studies on Fibre Reinforced Concrete Hollow Beams,	Amaravel R.	College of Engineering, Guindy, Anna University, Chennai
3	Feb,2019	Ph.D. (Bridges)	Remaining Fatigue Life of Damaged RC Beams in Railway Bridges	Amaravel R.	INDIAN INSTITUTE OF TECHNOLOGY MADRAS,
THESIS GUIDED					
Sl no	Year	To the Diploma of Students	Title of thesis	Team	Institute

1	Feb,1988,	Diploma in Civil Engineering	Work Shop Building Using North Light Roof Truss.	T Ganapathy, K Aravindhnan, J Baskar, K Dhana Sekaran, K.K. Dhinakaran, K. Elumalai, B GopI, K Ganapathy	Adhi Para Sakthi Polytecnic College Melmaruvathur, Tamil Nadu
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7. SOFTWARE EXPOSURE

1.	STAAD	5.	AUTOCAD
2.	CSI SAP 2000	6.	MS EXCEL, VBA MACRO,
3.	MIDAS CIVIL	7.	CIRCOL
4.	SUPER CIVIL	8.	MS WORD, MS POWER POINT, MS PAINT

8. EDUCATIONAL QUALIFICATION DETAILS

1. Research Degree In Engineering	Ph.D. (IIT-M) (Remaining Fatigue Life of Damaged RC Beams in Railway Bridges)
Institution / University	INDIAN INSTITUTE OF TECHNOLOGY MADRAS
Period	March,2014- Sep,2019
GPA / Percentage	7.92 GPA
2. Master's Degree In Engineering	M.E. (Structural Engineering)
Institution / University	College of Engineering, Guindy, Anna University, Chennai

Period	August 1994- January 1996
GPA / Percentage/ Class	7.36 GPA / First Class
3. Bachelor's Degree In Engineering	B.E. (Civil Engineering)
Institution / University	Government College of Engineering, Madras University Salem.
Period	Sep,1981-Dec,1985
GPA / Percentage/ Class	69.5% / First Class
4. Higher Secondary Education	Higher Secondary Course
Institution / Board	Govt Higher Secondary School, Kadathur Board Of Higher Secondary Examination, Tamil Nadu
Period	1979-1981
GPA / Percentage / Rank	77.60 % / First rank in HS School and IInd rank in District
5.Secondary School	Secondary School Leaving Certificate
Institution / Board	Govt Higher Secondary School, Kadathur Board Of Secondary Examination, Tamil Nadu
Period	1978-1979
GPA / Percentage / Rank	81.8% / First rank in HS School

9. TRAINING DETAILS

Sl. No	Training Name	Training Institute	Date

1	Bridge Design (9922)	IRICEN, Pune, India	31-05-1999 to 18-06-1999
2	Cable Stayed Bridges	CAO/O/CN/BNC, Bangalore-46, India	29-03-2000 to 01-04-2000
3	PSC-Girder Design as per Southern Railway Letter. No. P(CN).262/I/3/ Vol.3 dt.20-6-2000.	Southern Railway Institute of Civil Engineering Training Centre, Tambaram, Chennai	3-8-2000 to 5-8-2000
4	Modular course on BRIDGE DESIGN	Structural Engineering Research Centre, Taramani, Chennai.	07-02-2003 to 08-02-2003
5	Steel Intensive Construction.	INSTRUCT&INSDAG, Bangalore-01, India	05-06-2003 to 07-06-2003
6	Concrete Mix Design & Quality Control	INSTRUCT&INSDAG, Bangalore-01, India	30-05-2003 to 31-05-2003
7	Special course on MIDAS software (18433)	IRICEN, Pune, India	11-06-2018 to 15-06-2018
8	MIDAS IT's Intensive Course-workshop	MIDAS IT Company, Ltd, Bangalore-16, India	20-03-2015
9	Refresher course for JE/SSE/Design &	SRCETC, Tambaram, India	10-07-2017 to 22-07-

	Drawing (RCD.417-18)		2017
10	Certificate course on STAADPro	CAAD Centre Training Services, Bangalore, India	16-8-07 to 5-10-07
11	Software Course on MIDAS	IRICEN, Pune, India	25-02-2019 to 02-03-2019
12	International Course on Recent Advances in Bridge Design and Construction”	IIT-ROORKE, Roorke, India	07-08-2019 to 09-08-2019
13	Special course on Bridge Design (15423)	IRICEN, Pune, India	12-10-2015-30-10-2015
14	Refresher course for JE/SSE/Design & Drawing) RCD1217-18)	SRCETC, Tambaram, India	12-03-2018 to 24-03-2018
15	“REINFIRCE 2025 “, Resilient Engineering innovations for a future oriented Reliable & Circular economy structure	IEINDIA, Kolkata, India	15-07-2025 to 16-07-2025
16	MGIT_CED_Faculty Development Programme, “Data Analytics for Civil Engineering Research: Methods, Tools And Applications “	Mahatma Gandhi Institute of Technology, Hyderabad, Telangana, India.	08-12-2025 to 12-12-2025

17	Webinar,IEINDIA “ BIM for CAD USERS : CIVIL & SURVEY “	Institution of Engineers India,8,Gohkale Road,Kolkatta-700020	24-06-2026
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10. PARTICIPATION IN CONFERENCE /WORKSHOP

Sl. no	National / International	Conference on	Location	Date / Duration
1	National	DETAILING FOR MULTISTOREY RCC FRAMED STRUCTURES	College of Engineering, Guindy, ANNA, UNIVERSITY, CHENNAI-600025.	28-9-94 One day
2	National	Recent Developments in Earth Retaining Structures for Bridges–National, Seminar Vide Lr.No.W.508/Cn/BNC/Sem/111 Dt 14-2-06.	South Central Railway, HYDERABAD	24 th & 25 th Feb,2006, Two days
3	International	Professional Engineers: Challenged in Disaster Management	Gitam University.Vishakpatinam.	18 th and 19 th Dec-2014, Two days
4	International	Sustainable energy and Built Environment,	Vellore Institute of Technology, Vellore, Tamil Nadu.	12 th and 13 th March 2015, Two days

5	International	Bridge-2024	Indian Institution of Bridge Engineers, Bangalore, Karnataka	Aug 7 th and 8 th , 2024, Two days
6	International	“Emerging technologies for design, construction and maintenance of ultra durable structures”	ING-IABSE, Karnataka center, KRDCCL Auditorium, Rajkumar road, Bangalore-560010, Karnataka	30 th and 31 st July 2025, Two days
7	International	“State of art health monitoring of structures “	ING-IABSE, Karnataka center, KRDCCL Auditorium, Rajkumar road, Bangalore-560010, Karnataka	13 th and 14 th May 2026, Two days

11. PRESENTATION IN CONFERENCE

Sl no	National / International	Conference, Presentation on	Location	Date	Duration
1	International Conference on, Professional Engineers: Challenged in Disaster Management	“Remaining Fatigue Life and Behaviour of Damaged RC Beams-Review”	Gitam University. Vishakpatinam.	19 th Dec-2014	30, Minutes

2	International Conference on, Sustainable energy and Built Environment,	“Evaluation Of Remaining Life in Years for The Damaged RCC Bridges-Review (Railway Loadings)”	Vellore Institute of Technology, Vellore, Tamil Nadu	12th and 13th March 2015	30, Minutes

12. TECHNICAL PUBLICATIONS

Sr. No	Origin	National/International	Publication area	Publication name and year
1	Dr. Amaravel. R and G. Appa Rao, India.	International	Remaining Fatigue Life and Behaviour of Damaged RC-beams-Review	International Journal of Research in Engineering and Technology (2014)
2.	Dr. Amaravel. R and G. Appa Rao, India	International	Evaluation Of Remaining Life in Years for The Damaged RCC Bridges-Review (Railway Loadings)	International Journal of Earth Sciences and Engineering. (2015)
3.	Dr. Amaravel. R and G. Appa Rao, India	International	Studies On Various Theories and Models for Assessing the Remaining Life of Damaged Railway Bridges review (Fatigue and Fracture Mechanics Approach)	International Research Journal of Engineering and Technology (2015)

4.	Dr G Appa Rao and Dr Amaravel. R India.	International	Influence of damage in steel rebars with different yield strengths and compressive strength of concrete on longevity and ductility of RC beams under fatigue loading	Journal of Structural Engineering (2019)
5.	Dr. Amaravel. R	National	Studies on construction joints for piers of railway bridges	IRICEN Journal of Civil Engineering (2020)
6.	Dr. Amaravel. R	National	Studies on Design Charts for RC Flexural Members of Railway Bridges	IRICEN Journal of Civil Engineering (2022)
7.	Dr. Amaravel. R	National	Analysis Of Parabolic Catch Siding – Review.	IRICEN Journal of Civil Engineering (2022)
8.	Dr. Amaravel. R	National	Strength of existing arch bridges for running higher axle loads.	IRICEN Journal of Civil Engineering (2023)
9.	Dr. Amaravel. R	National	Skew Slab Bridges for Railway Loadings-Review	IRICEN Journal of Civil Engineering (2023)
10.	Dr. Amaravel. R	International	Strength Prediction of Steel Bridges for Running Higher loads by Testing	Institutions of Permanent Way Engineers (India) (2023)
11.	Dr. Amaravel. R	International	Assessing the Load Carrying Capacity of existing RC and	Institutions of Permanent Way Engineers (India)(2023)

			PSC Bridges by Load Testing for Running Higher Axle loads	
12	Dr. Amaravel. R	National	Analysing The Strength of Existing Catch Siding for Higher Axle Loads	IRICEN Journal of Civil Engineering (2024)
13	Dr. Amaravel. R	International	Strength of the Piles for the Bridges of Elevated Speedy Corridors	Institutions of Permanent Way Engineers (India)(2024)
14	Dr. Amaravel. R	National	Crack Width of RC Pipe culverts (NP4) for Higher Earth Cushion and Higher Axle Loads	IRICEN Journal of Civil Engineering (2025)
15	Dr G Appa Rao and Dr Amaravel. R India.	International	Experimental Study on Fatigue Life of RC Beams with Damaged Rebars	ACI Structural and Materials Journals (2025)

13. PAPERS PUBLISHED IN CONFERENCE PROCEEDINGS

1	Amaravel, R. and G, A. Rao (2014) Remaining Fatigue Life and Behavior of Damaged RC beams Review. Proceedings of International Conference on Professional Engineers: Challenges in Disaster Management, 385-396.
2	Amaravel, R. and G.A. Rao (2015) Evaluation of Remaining Life in Years for the Damaged RC Bridges– Review (Railway Loadings). Proceedings of International Conference on Sustainable Energy and Built Environment, 98-105. (ISBN 978-81-923320-6-2, ASCE)

14. PRESENTATIONS IN SEMINARS / CONFERENCES

Sl. No	Institute	Title of Presentation
1.	Govt College of Engineering, Madras University, Salem, Tamil Nadu, India	Tall Chimneys and Their Design Criteria, <i>(Seminar Presentation on Project Work of Tall Chimneys (July,1985))</i>
2.	College of engineering, Guindy, Anna University, Chennai Tamil Nadu, India	Assessing The Suitability of Existing Metre-Gauge Segmental Arch Bridges for the Loading Standard of Modified Broad Gauge 1987 and Strengthening in Indian Railways. <i>(Presentation in seminar for M E (Structural Engineering) (April 1995))</i>

3.	Gitam Institute of Technology, Rushi Konda, Vishakapatnam-530045, Andhra Pradesh. India	Remaining Fatigue Life and Behaviour of Damaged, RC beams Review. <i>(Proceedings of International Conference on Professional Engineers: Challenges in Disaster Management, 385-396). (Dec,2014).</i>
4.	School of Mechanical and Building Sciences, VIT university, Vellore-632014, Tamil Nadu, India	Evaluation of Remaining Life in Years for the Damaged RCC Bridges–Review (Railway Loadings). <i>(Proceedings of International Conference on Sustainable Energy and Built Environment,98-105). (ISBN 978-81-923320-6-2, ASCE). (March,2015)</i>
5.	Indian Institute of Technology Madras, Chennai, Tamil Nadu, India	Remaining Service Life Estimation of Damaged RC Beams of Railway Bridges (Fracture Mechanics Approach). <i>(IITM Ph.D. Experimental Reports SRF Seminar 1).(April,2014,)</i>
6.	Indian Institute of Technology Madras, Chennai, Tamil Nadu, India	Remaining Service Life Estimation of Damaged RC Beams of Railway Bridges (fatigue and fracture mechanics approach). <i>(IITM Ph.D. SRF Seminar II). (March,2016)</i>
7.	Indian Institute of Technology Madras, Chennai, Tamil Nadu, India	Remaining Fatigue Life of Damaged RC Beams in Railway Bridges. <i>(IITM Ph.D. Viva Voce report of Dr Amaravel. R (Feb,2019)</i>

15. Meritorious Service Awards					
Sl. No	Award Level	Railway Week	Place	Subject	Date
1	Chief Engineer	Railway Week - 1993	Southern Railway. Bangalore Cantontment	Meritorious Service	13-04-1993
2	Chief Engineer	Special Award for Gauge Conversion Work,1996	Southern Railway. Bangalore Cantontment	Meritorious Service	08-06-1996
3	Chief Engineer	Railway Week - 1997	Southern Railway. Bangalore Cantontment	Meritorious Service	15-04-1997
4	Chief Engineer	Railway Week - 2007	South Western Railway, Bangalore Cantontment	Meritorious Service	23-04-2007
5	Chief Engineer	Railway Week - 2017	South Western Railway, Bangalore Cantontment	Meritorious Service	08-05-2017
7	Chief Administrative Officer	44th -Railway Week -1999	Southern Railway. Chennai	Meritorious Service	April 1999
8	Chief Administrative Officer	Railway Week - 2003	South Western Railway, Bangalore Cantontment	Meritorious Service	17-04-2003

9	Chief Administrative Officer	Railway Week - 2010	South Western Railway, Bangalore Cantontment	Meritorious Service	22-04-2010
10	General Manager	50 th -Railway Week -2005	South Western Railway. Hubli.	Outstanding Performance and Devotion to Duty	12-04-2005

16. PERSONAL DETAILS

1.	Name:	Dr. AMARAVEL RAMALINGAM
2.	Father's Name:	V. RAMALINGAM
3.	Gender:	Male
4.	Date of Birth, Age:	15-05-1964, 62 Years
5.	Marital Status:	Married
6.	Blood Group:	B (Negative)
7.	Nationality:	Indian

8.	Passport Number:	Z 5601808
9.	Proffered Job Location:	India/international (Bangalore, Chennai)
10.	Targeted income:	18 Lakhs/Annum (Min)
11.	Languages Known	Tamil, English, Hindi, Telugu, Kannada

17. MEMBERSHIPS			
Sl. No	Institution	Membership Level	Membership No
1	Institution of Engineers (India), Kolkata.	Life FELLOW	F-1307882.
2	Indian Institution of Bridge Engineers, India	Life FELLOW	LF-1474.
3	Indian Roads Congress, India	Life MEMBER	LM-251096.
4	Member Institution of Permanent Way Engineers (India),	Life MEMBER	LM-17089.

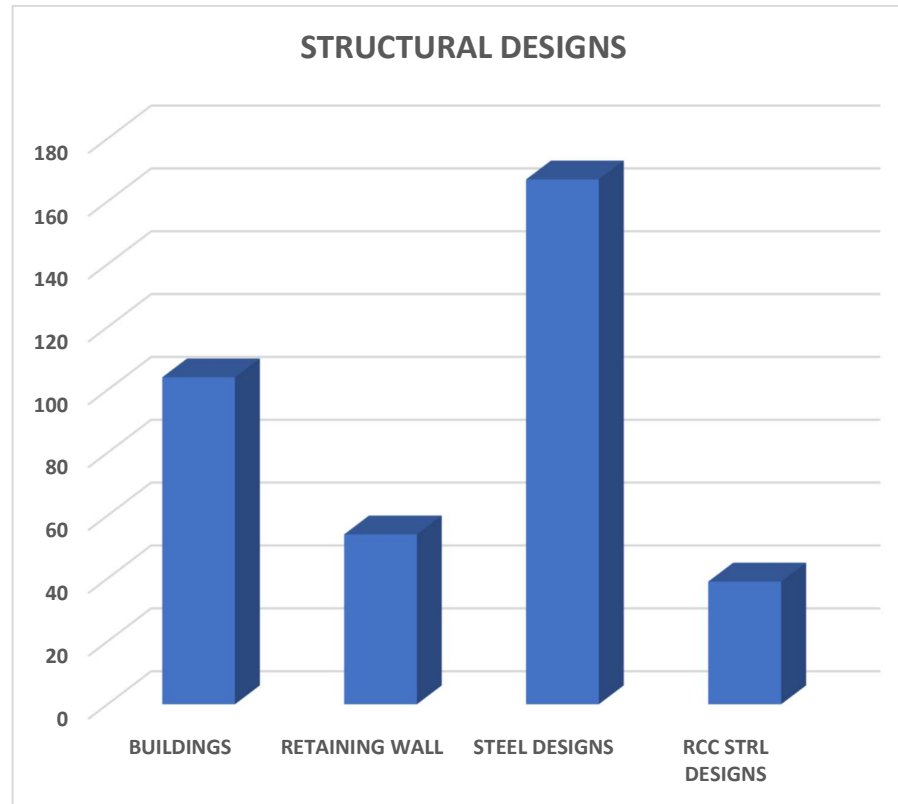
18. LICENSES

Sl. No	Institution	Level	License No	Year	Status
1	Institution of Engineers (India), KOLKATTA.	Chartered Engineer (India)	M 114226/1	1998	-----
2	Institution of Engineers (India), KOLKATTA.	Professional Engineer (India)	PE7007383	2025	Active

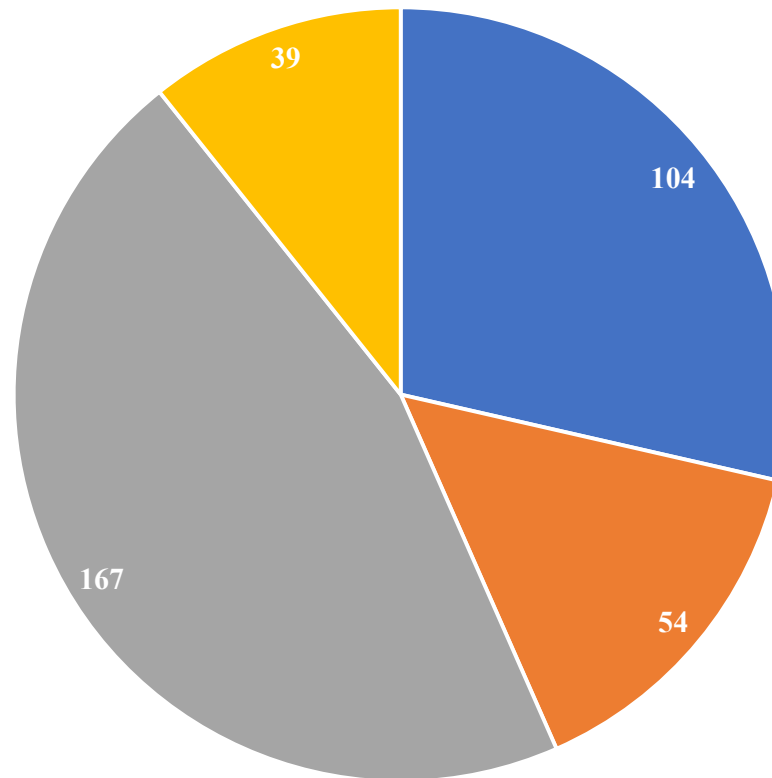
19. CREDENTIALS

DESIGN PROJECTS (1985- 2026) : Visit profile:

BAR CHARTRS / PIE CHARTS OF DESIGN PROJECTS ATTENDED



STRUCTURAL DESIGNS

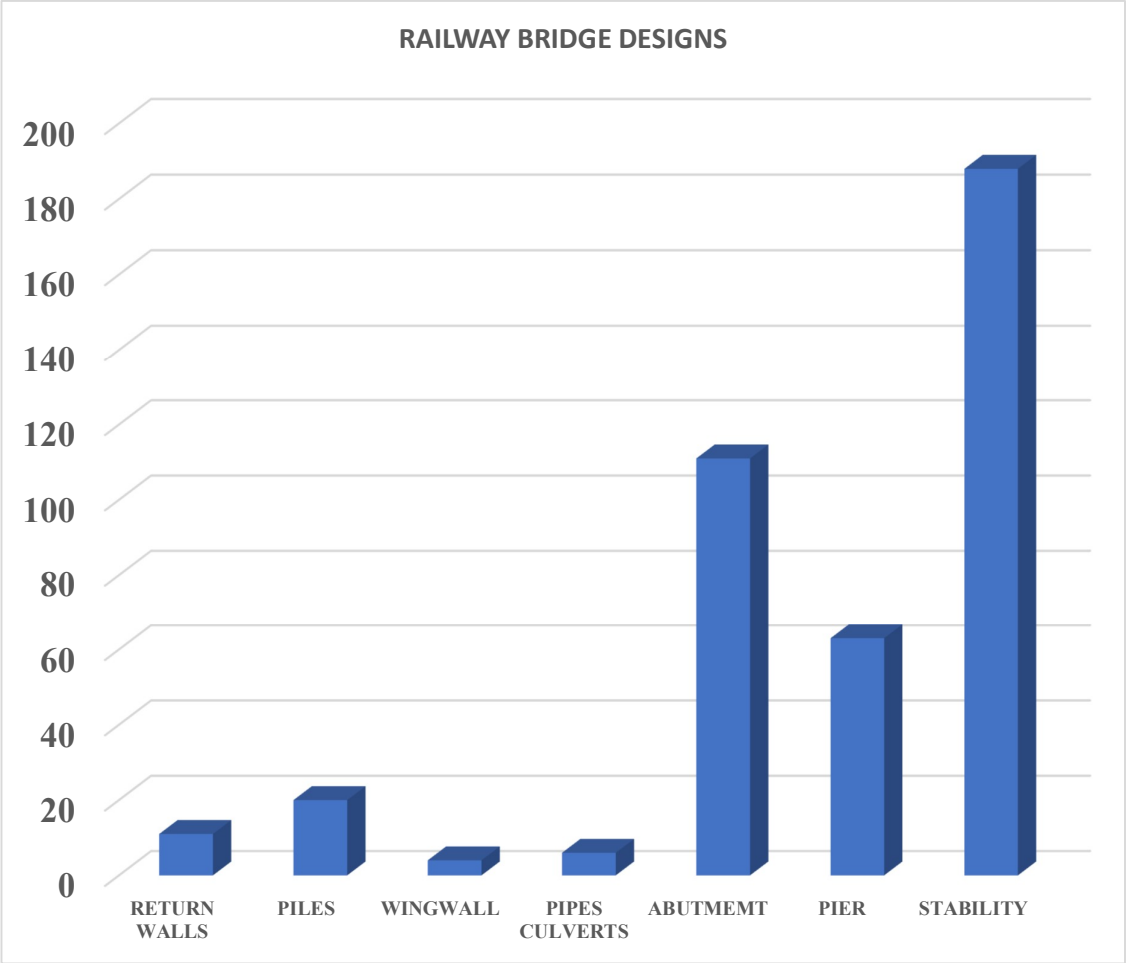


■ BUILDINGS

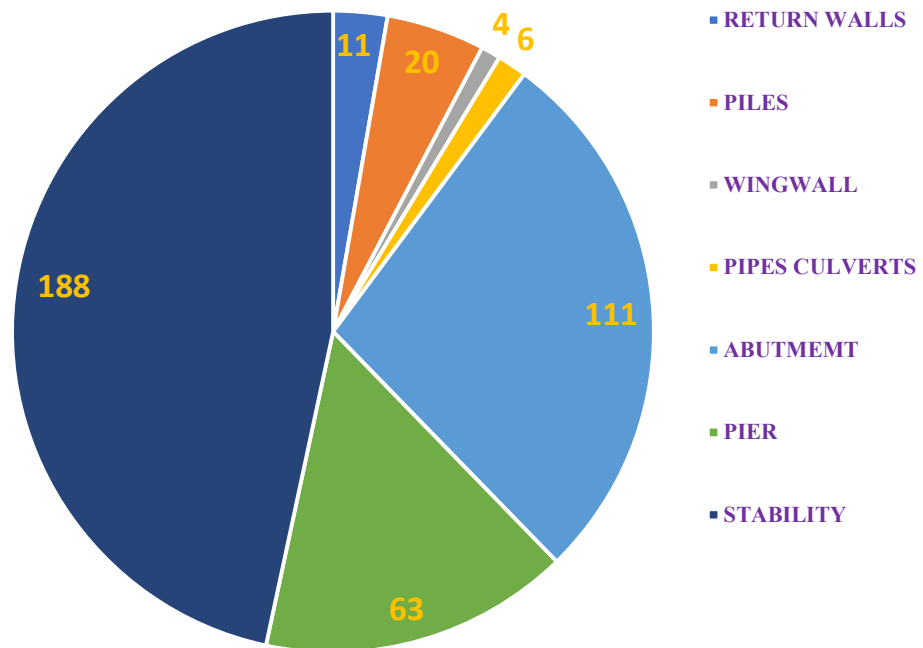
■ RETAINING WALL

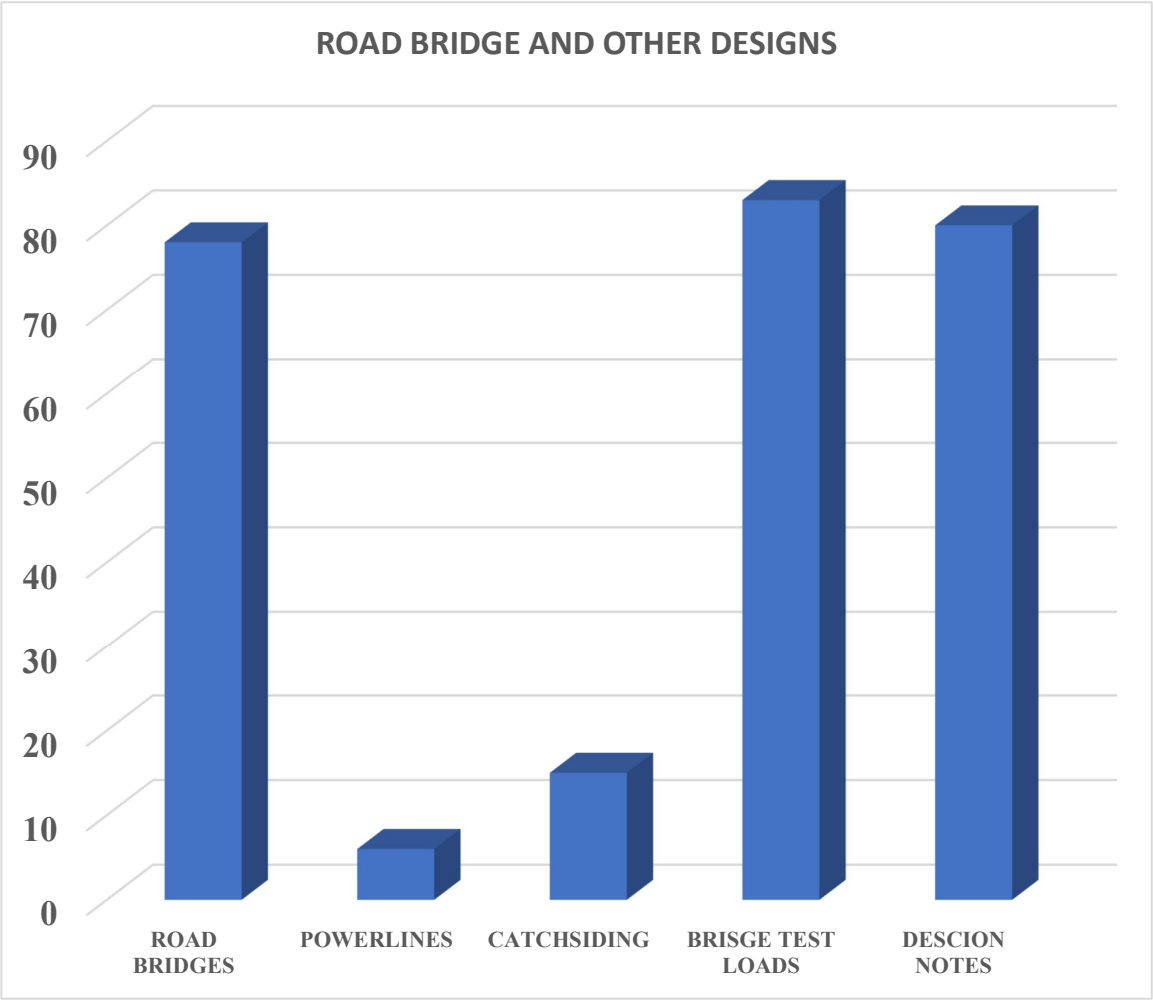
■ STEEL DESIGNS

■ RCC STRL DESIGNS

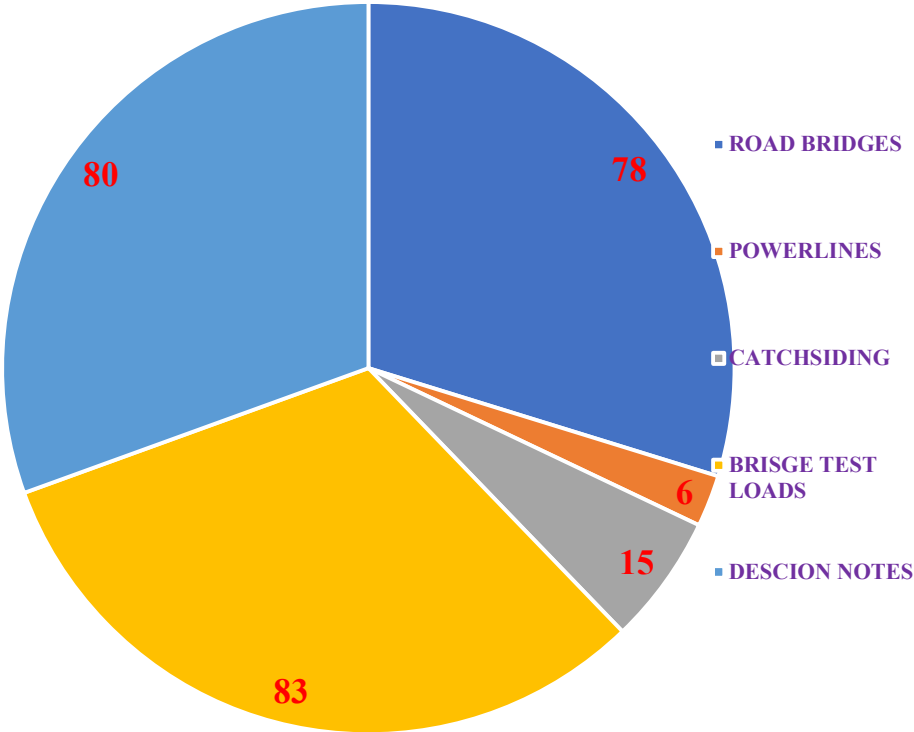


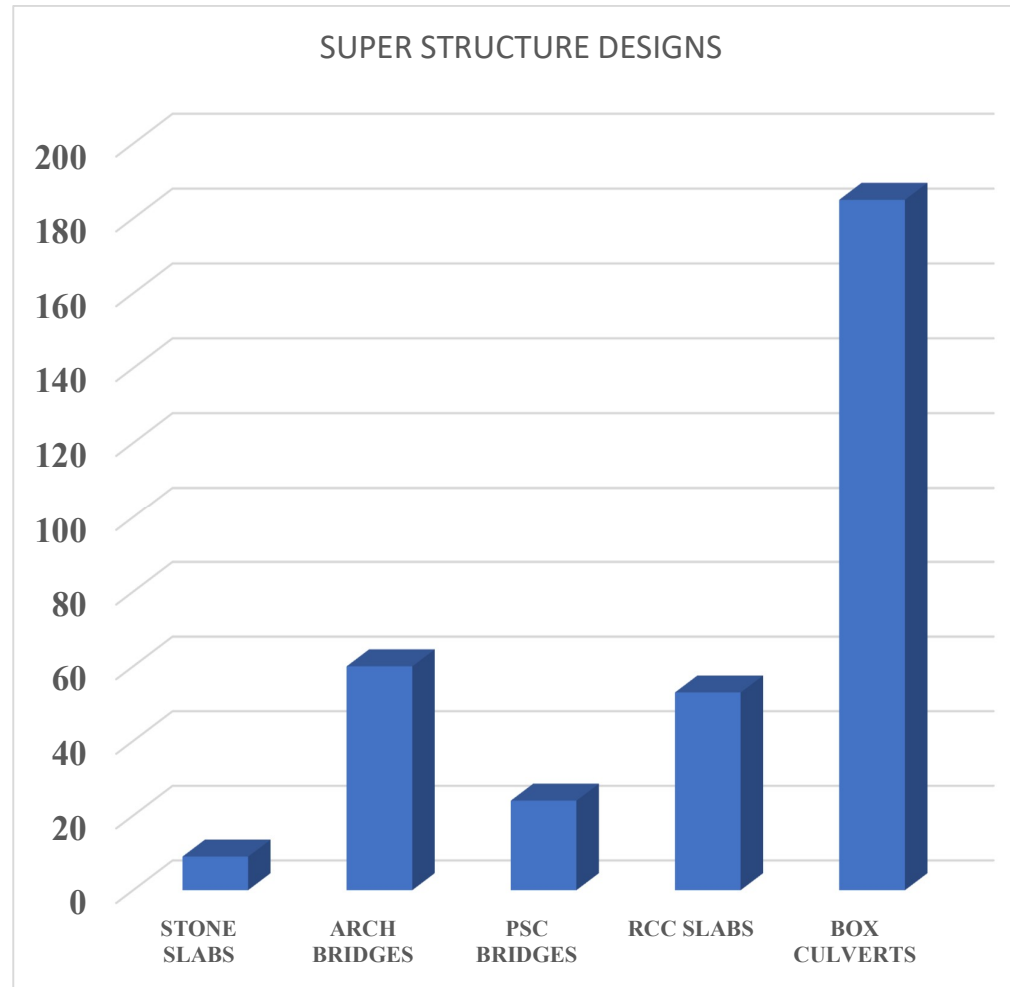
RAILWAY BRIDGE DESIGNS



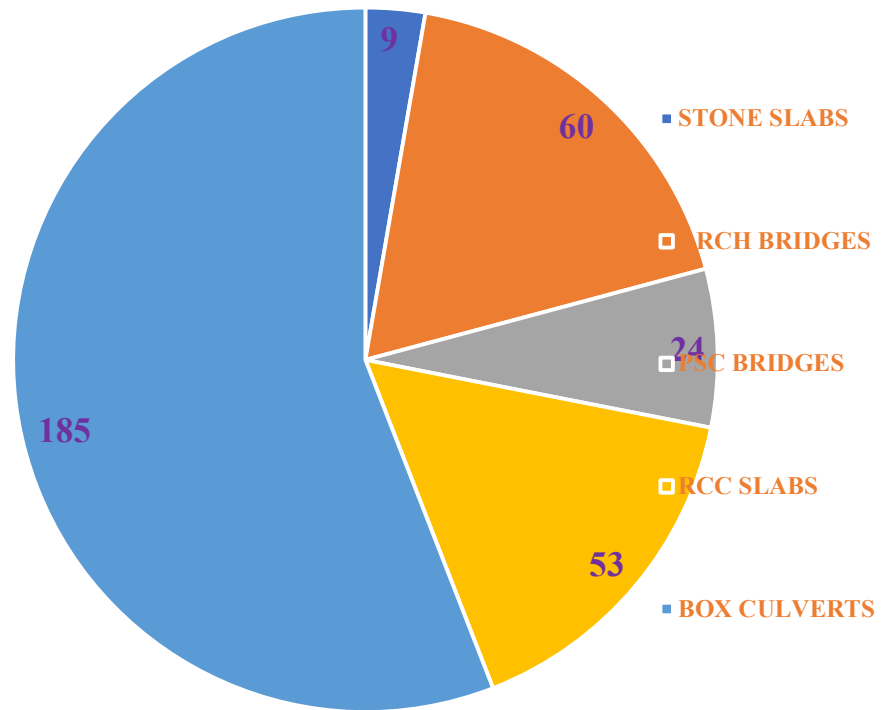


ROAD BRIDGE AND OTHER DESIGNS





SUPER STRUCTURE DESIGNS



20. COMPLETE DETAILS OF DESIGN PROJECTS		
Sl. No	DESCRIPTION OF BRIDGES AND STRUCURES DESIGNS - REVIEWED (1988-2024)	NO OF DESIGNS / FILES REVIEWED
1	DESIGN AND REVIEW OF BUILDING DESIGN AND DRAWINGS - (1988-2024)	104
2	DESIGN AND REVIEW OF RETURN WALL FOR IRS (INDIAN RAILWAY STANDARD) LOADINGS (1988-2024)	11
3	DESIGN AND REVIEW OF PILE FOUNDATIONS (1988-2024)	20
4	DESIGN AND REVIEW OF WING WALLS FOR IRS LOADINGS (1988-2024)	4
5	DESIGN AND REVIEW OF PIPE CULVERTS FOR IRS LOADINGS (1988-2024)	6
6	SPEED RESTRICTION CALCULATIONS (1988-2024)	2
7	DESIGN AND REVIEW OF RETAINING WALLS NEAR RAILWAY TRACK (1988-2024)	54
8	REVIEW OF ABUTMENT DESIGN AND DRAWINGS (1988-2024)	111

9	DESIGN AND REVIEW OF PIER DESIGN AND DRAWINGS (1988-2024)	63
10	ADEQUACY DESIGN FOR STONE SLABS FOR INDIAN RAILWAY STANDARD LOADING (1988-2024)	9
11	ARCH TEST LOADS AND DESIGN OF ARCH BRIDGES (1988-2024)	60
12	PRESTRESSED CONCRETE BRIDGES (1988-2024)	24
13	BRIDGE SLABS DESIGNS AND VERIFICATIONS FOR IRS LOADINGS (1988-2024)	53
14	DESIGN AND VERIFICATIONS OF REINFORCED CEMENT CONCRETE SINGLE AND TWIN BOXES FOR STRAIGHT AND CUFRVED TRACKS WITH VARYING FILL (1988-2024)	185
15	STABILITY ANALYSIS OF GRAVITY STRUCTURES- ABUTMENTS, PIERS, WING WALLS AND RETURN WALLS INCLUDING MODOFICATIONS AND REVISIONS (1988-2024)	188
16	DESIGN AND REVIEW OF STEEL DESIGNS (1988-2024)	167
17	DESIGN OF RCC STRUCTURAL DESIGNS (1988-2024)	39
18	REVIEW OF ROAD OVER BRIDGE DESIGNS (1988-2024)	78

19	STABILITY ASSESSMENT OF POWERLINE CROSSINGS (1988-2024)	6
20	DESIGN OF CATCH SIDINGS (TRACK SECTION), (1988-2024)	15
21	BRIDGE TEST LOAD ASSESMENTS FOR IRS LOADINGS (1988-2024)	83
22	DECISION NOTINGS (1988-2024)	80
TOTAL DESIGNS =80+83+15+6+78+39+167+188+185+53+24+60+9+63+111+54+2+6+4+20+11+104		1362

DECLARATIONS	
I am familiar with Bridge Engineering concepts and other Infrastructures. I have ability to venture jointly with your concern from home with pleasure. I hereby solemnly declare that the above-furnished details are true to the best of my knowledge. Yours truly,	
	(Dr Amaravel Ramalingam)
Date: 13-06-2026	MD & CEO / IITS-BANGALORE,
Place: Bangalore	Bridges & Structures Design Engineer

Dr AMARAVEL RAMALINGAM DESIGNS PRJECTS PROFILE

(1988-2026)

Sl. No	DESCRIPTION OF BRIDGES AND STRUCURES DESIGNS - REVIEWED (1988-2024)	NO OF DESIGNS /FILES REVIEWED	PAGE NO
1	DESIGN AND REVIEW OF BUILDING DESIGN AND DRAWINGS - (1988-2024)	104	3
2	DESIGN AND REVIEW OF RETURN WALL FOR IRS (INDIAN RAILWAY STANDARD) LOADINGS (1988-2024)	11	10
3	DESIGN AND REVIEW OF PILE FOUNDATIONS (1988-2024)	20	11
4	DESIGN AND REVIEW OF WING WALLS FOR IRS LOADINGS (1988-2024)	4	14
5	DESIGN AND REVIEW OF PIPE CULVERTS FOR IRS LOADINGS (1988-2024)	6	14
6	SPEED RESTRICTION CALCULATIONS (1988-2024)	2	15
7	DESIGN AND REVIEW OF RETAINING WALLS NEAR RAILWAY TRACK (1988-2024)	54	15

8	REVIEW OF ABUTMENT DESIGN AND DRAWINGS (1988-2024)	111	20
9	DESIGN AND REVIEW OF PIER DESIGN AND DRAWINGS (1988-2024)	63	30
10	ADEQUACY DESIGN FOR STONE SLABS FOR INDIAN RAILWAY STANDARD LOADING (1988-2024)	9	36
11	ARCH TEST LOADS AND DESIGN OF ARCH BRIDGES (1988-2024)	60	37
12	PRESTRESSED CONCRETE BRIDGES (1988-2024)	24	43
13	BRIDGE SLABS DESIGNS AND VERIFICATIONS FOR IRS LOADINGS (1988-2024)	53	46
14	DESIGN AND VERIFICATIONS OF REINFORCED CEMENT CONCRETE SINGLE AND TWIN BOXES FOR STRAIGHT AND CUFRVED TRACKS WITH VARYING FILL (1988-2024)	185	51

15	STABILITY ANALYSIS OF GRAVITY STRUCTURES- ABUTMENTS, PIERS, WING WALLS AND RETURN WALLS INCLUDING MODIFICATIONS AND REVISIONS (1988- 2024)	188	69
16	DESIGN AND REVIEW OF STEEL DESIGNS (1988-2024)	167	85
17	DESIGN OF RCC STRUCTURAL DESIGNS (1988-2024)	39	101
18	REVIEW OF ROAD OVER BRIDGE DESIGNS (1988-2024)	78	104
19	STABILITY ASSESSMENT OF POWERLINE CROSSINGS (1988-2024)	6	110
20	DESIGN OF CATCH SIDINGS (TRACK SECTION), (1988- 2024)	15	111
21	BRIDGE TEST LOAD ASSESMENTS FOR IRS LOADINGS (1988-2024)	83	112
22	DECISION NOTINGS (1988-2024)	80	119
TOTAL DESIGNS =80+83+15+6+78+39+167+188+185+53+24+60+9+63+111+54+2+6+4+20+11+104		1362	

**1. DESIGN / REVIEW OF BUILDING DESIGN AND
DRAWINGS - (1988-2024) -- 104 DESIGNS.**

**1 TOLANALLUR STATION BUILDING (PLAN. NO.
TLNR-26-88)**

**2 PODANUR TRAINING SCHOOL (RIBBED FOOR,
GRID SLAB)**

3 LALGUDI STATION BUILDING (STAGE -II)

**4 ADMINISTRATIVE BUILDING FOR FLASH BUTT
WELDING PLANT@ ARAKONAM WORK SHOP**

5 PARK TOWN STATION BUILDING,

**6 TYPE IV STAFF QUARTERS FOR EXECUTIVE ENGINEER/
METROPOLITAN TRANSPORT PROJECT/MS(EGMORE)**

**7 CHINTADRI PET STATION BUILDING & REVISIONS
FOR (STAIRS BEAMS & MEZZANINE. FLOOR SLABS)-
KANI' S METHOD.**

8 CHINTADRI PET STATION BUILDING & REVISIONS

**FOR (STAIRS BEAMS & MEZZANINE FLOOR SLABS)
SLOPE DEFLECTION. METHOD**

9 LIFT ACCESS TO CHINTADRI PET STATION BUILDING

**10 DESIGN OF REINFORCED CEMENT CONCRETE
STRUCTURES FOR CHINTADRI PET STATION BUILDING**

**11 STATION BUILDINGS IN SECTIONS BANGALORE-
MYSORE**

**12 STATION BUILDINGS IN SECTIONS CHITTARADURG-
RAYADURG**

13 CHITRADURG-STATION BUILDING.

**14 BANGALORE-MYSORE SECTION, BUILDINGS@
RAMANAGARAM**

15 TRAIN EXAMINER BUILDING/BANGALORE

**16 SAKLESPUR- REINFORCED CEMENT CONCRETE-
BUILDING-CHECKED.**

17 KUMARAPATTINAM STATION BUILDING & RAFT,

**18 ULLAL SIGNAL & TELECOMMUNICATION
ACCOMMODATION**

19 MANJESWHAR STATION BUILDING

**20 BUILDING IN CALICUT-MANGALORE FOR REINFORCED
CEMENT CONCRETE DETAILS DESIGN.**

**21 WHEEL AND AXLE-BUILDING EXTENSION, AT
YELAKANKA**

**22 ELECTRODE PLATFORM-VENTILATION ROOM FOR
BARSYL ETC.**

**23 CHIEF TRAIN EXAMINER & TRACTION LOCOS DIESEL
BUILDING AT MANGALORE,**

24 KUMARAPPATTANAM (S&T) ACCOMMODATION,

**25 SATELLITES GOODS TERMINAL, TRUSS @
WHITE FIELD,**

26 STATION BUILDING @HASSAN

27 STATION BUILDING @ HOLENARSHIPUR

28 ASHOKPURAM -AIR BRAKE BUILDING,

29 HEADROOM FOR TYPE V QUARTERS @BANGALORE

**30 SIGNAL &TELECOMMUNICATION BUILDINGS FOR
BANTWALA,**

**31 SIGNAL &TELECOMMUNICATION BUILDINGS
NARIMOGARU,**

**32 SIGNAL &TELECOMMUNICATION BUILDINGS
KABAKAPUTTUR IN HASSAN-MANGALORE**

33 LEAN TO ROOF @ WHITEFIELD

34 SERVICE BUILDING, @ WHITEFIELD

35 MACHINE SHOP @ WHITEFIELD

36 SIGNAL &TELECOMMUNICATION ACCOMMODATION

@ BYAPPAANAHALLI

**37 SIGNAL & TELECOMMUNICATION ACCOMMODATION
TEKKAL,**

38 STATION BUILDING @ HOLENARSHIPUR

39 STATION BUILDING @ KRISNARAJANAGR

40 STATION BUILDING @ BANTWALA,

41 WHITEFIELD GOODS SHED,

42 STATION BUILDING @ KABAKAPUTTUR,

43 STATION BUILDING @ NARIMOGARU

44 STATION BUILDING @ SUBRAMANYA ROAD,

**45 WORKSHOP BUILDING @ SATELLITES GOODS
TERMINAL**

46 WORKSHOP BUILDING @ WHITEFIELD

47 WOR5KSHOP BUILDING @ ASHOKPURAM

48 SERVICE BUILDING @ WHITEFIELD

49 SERVICE BUILDING @ SAKLESHPUR

50 QUARTERS @ BANGALORE CANTONTMENT

51 BUILDINGS @NEELAMANGALA

52 CAMP OFFICE@ PUTTA PARTHY

53 REST HOUSE @SAKLESHPUR

**54 RAILWAY RELAY INSTRUMENT CABIN @
MANGALORE**

55 TOILET FACILITIES @ BANASWADI

**56 TYPE IV (STAFF) @ HUBBALLI OF SOUTH WESTERN
RAILWAY,**

**57 TYPE IV (OFFICER)@ HUBBALLI OF SOUTH WESTERN
RAILWAY,**

58 KUPPAM STATION PORTICO,

**59 TYPE IV QUARTERS FOR OFFICERS & STAFF AT,
UBBALLI**

**60 RELAY ROOM AT HOLE ALUR, BETWEEN
(GEP SAGAR -GADAG STATONS)**

**61 RELAY ROOM AT MALLAPUR, BETWEEN
(GEP SAGAR -GADAG STATONS)**

**62 RELAY ROOM AT BIRAL BUZURG BETWEEN
(GEP SAGAR -GADAG. STATONS)**

**63 RELAY ROOM AT HOMBAL BETWEEN
(GEP SAGAR -GADAG STATONS)**

**64 KUPPAM STATION BUILDING - STORES ROOM -
PORTICO SLAB.**

**65 KOTTUR-HARIHAR SECTION.PROPOSED STATION
BUILDING AT KOTTUR STATION.**

66 KOTTUR STATION BUILDINGS,

**67 MYSORE -CHAMRAJNAGAR RAILWAY RELAY
INSTRUMENT BUILDING**

68 YEDIKUMARI-SRIVAGALU- STATION BUILDING

**69 ASSISTANT EXECUTIVE ENGINEER/OFFICE/BUILDING
/HASSAN**

70 STATION BUILDING.@ KOTHACHARAUV,

71 STATION BUILDING.@ BASAMPALLI,

72 TOILET ROOMS @PUTTAPARTHY-PLATFORM

**73 INTEGRATED SERVICE BUILDING NEAR PIT LINE
&SICK LINE @YESWNATPUR-JUNCTION.**

**74 BUILDINGS. MADDUR RETIRING ROOM IN
BANGALORE- MYSORE SECTION.**

**75 INTEGRATED SERVICE BUILDING (REVISED) NEAR
PIT & SICK LINE (2 NOS) IN BANGALORE-TUMKUR**

DOUBLING.

- 76 DESIGN OF COACHING TERMINAL, INTEGRATED SERVICE BUILDING @ YESWANTPUR**
- 77 DESIGN OF, OFFICE BUILDING OF DEPUTY CHIEF MECHANICAL ENGINEER/PLANNING / MYSORE@ASHOK PURAM**
- 78 REVISED DESIGN FOR MADDUR RETIRING ROOM - DRAWING VERIFIED.**
- 79 YEDAMANGALA STATION BUILDING @ HASSAN-MANGALORE**
- 80 ZONAL BUILDING KEY PLAN IN UBBALI**
- 81 GENERAL MANAGER /SOUTH WESTERN RAILWAY /BUILDING**
- 82 BOOKING COUNTER @SUBRAMANYA ROAD-KABAKAPUTTUR- DRAWINGS VERIFIED**
- 83 MYSORE-CHAMRAJNAGARR-TYPE V QUARTER**

(DRAWINGS-BL/241-07)

**84 RELAY ROOM@ KUDACHI STATION (STEEL
COMPOSITE BUILDING),**

**85 STATION BUILDING: A).AT AMMACHANDRA STATION
(DRAWING.ST/88-2023), IN TUMKUR-ARSIKERE)**

86 STATION BUILDING @ BAGALKOT

87 REST ROOM @ BYAPPANAHALLI

88 BUILDING @ VIJIPURA

**89 RAILWAY RELAY INSTRUMENT CABIN BUILDING AT
BYAPPANAHALLI (DRAWING ST/204-2017).**

90 KUTGI STATION BUILDING VIDE (DRAWING ST/09-2016)

**91 TYPE V QUARTERS @HEJJALA SAFETY VILLAGES
(DRAWING ST/60-2017)**

92 BUILDINGS AT KUNIGAL,

93 BUILDINGS AT KUDGI,

**94 DEPUTY CHIEF ENGINEER/CONSTRUCTION/WEST/
BANGALORE CANTTOMENT OFFICE WORKS**

**95 CHECKING THE CONSULTANT DESIGN AND DRAWING
FOR KUNIGAL STATION BUILDING**

**96 CHECKING CONSULTANT DESIGN AND DRAWING
FOR OFFICE BUILDING FOR DEPUTY CHIEF ENGINEER
/CONSTRUCTION/WEST/II/ BANGALORE CANTT**

**97 GENERAL MANAGER BUILDING @ HUBBALI
CENTRAL TOWER BLOCK WORKS**

98 STATION BUILDINGS @ SBGA, (SHRAVANABELGOLA)

**99 NEW DESIGN AND DRAWING FOR GENERAL
MANAGER BUILDING AT HUBBALI**

**100 NEW HUBBALLI STATION BUILDING (THIRD ENTRY)
STRUCTURAL DETAILS OF STATION BUILDING,
UBBALLI-CHIKJAJUR DOUBLING PROJECT**

**101 KOTTUR-HARIHAR-HARAPANAHALLI-TELGI
STATION BUILDING (DRAWING-ST/205-07&BR/208-07)**

102 BENNHALLI STATIONS BUILDING

**103 RAIWAY RELAY INSTRUMENTATION CABIN BUILDING
AT BYAPPANAHALLI (ST/204-2017).**

104 AUGMENTATION BUILDING AT YESWANTPUR

**2. DESIGN AND REVIEW OF RETURN WALL FOR IRS (INDIAN
RAILWAY STANDARD) LOADINGS (1988-2024) --- 11 DESIGNS**

**1 RETURN WALL DESIGN FOR BRIDGE.NO.8, IN
GADAG-BAGLKOT SECTION**

**2 RETURN WALL DESIGN FOR BRIDGE.NO.76, IN
GADAG-BAGLKOT SECTION**

**3 RETURN WALL DESIGN FOR BRIDGE AT CH:136983
@ HASSAN-BANGALORE.**

**4 RETURN WALL DESIGN FOR BRIDGE AT CH: 136542
@ HASSAN-BANGALORE.**

**5 RETURN WALL DESIGN FOR BRIDGE AT CH: 132855
@ HASSAN-BANGALORE.**

**6 RETURN WALL DESIGN FOR BRIDGE AT CH: 131755,
@ HASSAN-BANGALORE.**

**7 RETURN WALL DESIGN FOR BRIDGE.NO.456,
STRENGTHENING OF BRIDGE/OTHER STRUCTURES**

**8 RETURN WALL DESIGN FOR BRIDGE.NO.662
STRENGTHENING OF BRIDGE/OTHER STRUCTURES**

**9 RETURN WALL DESIGN FOR BRIDGE.NO.660,
STRENGTHENING OF BRIDGE/OTHER STRUCTURES**

**10 RETURN WALL DESIGN FOR BRIDGE.NO.550
JACKETING OF RETURN WALL**

**11 RETURN WALL DESIGN FOR BRIDGE.NO.606.
JACKETING OF RETURN WALL**

**3. DESIGN/REVIEW OF PILE FOUNDATIONS (1988-2024)—
20 DESIGNS**

**1 PILE FOUNDATION FOR BRIDGE.NO.1274
@NETHRAVATHY**

**2 OPEN RAFT FOR BRIDGE, @CH:27860 IN
DHARAMAVARAM-PENEKONDA.**

**3 DESIGN OF RECTANGULAR PILE CAPS, SKIN
FRICTION PILES & END BEARING PILES OF A1
ABUTMENT, OF NETHRAVATHI BRIDGE
1274 @ MANGALORE**

**4 DESIGN OF RECTANGULAR PILE CAPS, SKIN
FRICTION PILES & END BEARING PILES OF A2
ABUTMENT, OF NETHRAVATHI BRIDGE**

1274 @ MANGALORE

- 5 DESIGN OF HEXAGONAL PILE CAPS, SKIN FRICTION PILES & END BEARING PILES OF A1 ABUTMENT OF NETHRAVATHI BRIDGE 1274 @ MANGALORE**
- 6 DESIGN OF HEXAGONAL, SKIN FRICTION PILES & END BEARING PILES OF A2 ABUTMENT, OF NETHRAVATHI BRIDGE 1274 @ MANGALORE**
- 7 ELEVATED PILES FOR PIER LOCATIONS (P21-P29), OF NETHRAVATHI BRIDGE 1274 @ MANGALORE**
- 8 EXTERNALLY PROJECTED PILES ABOVE BED & WATER LEVEL FOR LOCATIONS (P6-P20), OF NETHRAVATHI BRIDGE 1274 @ MANGALORE**
- 9 TRESTLES WITH PILE & PILE CAP FOR BR.NO.1274@ NETHRAVATHI-HASSAN-MANGALORE (PIERS P3 TO P20-DRGS)**
- 10 CHECKING OF BARGES FOR CASTING PILES IN WATER LOGGED PIERLOCATIONS OF NETHRAVATHI BRIDGE REINFORCED CEMENT CONCRETE 1274 @**

MANGALORE DETAILS OF UNDERREAMED PILES.

- 11 KADUR-CHIKMAGALUR SECTION BRIDGE .AT CH.21666 PILE CAP, PIER AND PIER CAP DETAILS FOR ALL PIER LOCATIONS.**
- 12 KOTTUR-HARIHAR BRIDGE AT .CH:9787-SUB STRUCTURES-PILES, PILE CAPS,**
- 13 ABUTMENT-PIER-PILE/CAP, BED BLOCKS FOR BRIDGE AT CH:34181.55 KADUR-CHIKMAGALUR**
- 14 BRIDGE.NO.139-APILE/PILE CAP/BED BLOCK DESIGN IN HOSPET-TORNAGALLU**
- 15 PILE/PILE CAP FOR BRIDGE 710A IN MYSORE-RAMANAGARAM**
- 16 DRIVING FORCE FOR SHEET PILE AT RUB IN LIEU OF LEVEL CROSSING NO 11-YESWANPOUR-YELKANKA**
- 17 IMPORTANT & MAJOR BRIDGES: SUBSTRUCTURES WITH PROJECTED PILE FOUNDATIONS FOR BRIDGE AT 63D IN GADAG-HOTGI. ADEQUACY OF 18.3 PLATE**

GIRDER (RDSO/B-10615)-GADAG-WADI FOR DEVIATIONS

18 PILE CAP FOR BRIDGE.NO. 1264 @ SHORANUR-MANGALORE

19 DESIGN OF PILE, PILE CAP & TRESTLE ARRAY FOR BRIDGE.NO.1274 AT MANGALORE FOR M25 MIX AND 1-REVISION FOR $V=2.08$ M/SEC.

20 DESIGN OF PILE, PILE CAP & TRESTLE ARRAY FOR BRIDGE.NO.1274 AT MANGALORE FOR 30 MIX AND 1-REVISION FOR $V=2.08$ M/SEC.

4. DESIGN AND REVIEW OF WING WALLS FOR IRS LOADINGS (1988-2024) --- 4 DESIGNS

1 WING WALL FOR BRIDGE @155-ARSIKERE-BIRUR SECTION-DESIGNED

**2 WING WALL FOR CAUVERY BRIDGE 726A @
MYSORE-RAMANAGRAM**

**3 WING WALL FOR CAUVERY BRIDGE 725A @
MYSORE-RAMANAGRAM**

**4 ADEQUACY FOR BNC/ST/278-08 DRAWINGS ARE
VERIFIED**

**5. DESIGN/REVIEW OF PIPE CULVERTS FOR IRS
LOADINGS (1988-2024) --- 6 DESIGNS**

**1 PIPECULVERTS FOR DEDICATED FEEDER CORRIDOR
LOADING 2008 @ HOSPET-TORNAGALLU**

**2 PIPECULVERTS FOR DEDICATED FEEDER CORRIDOR
LOADING 2008 @ ARSIKERE-BIRUR SECTIONS**

3 PIPE CULVERTS FOR MYSORE-RAMANAGARAM

**4 PIPE LINE CROSSING @ YEDDIYUR IN
HASSAN-BANGALORE FOR HPCL**

5 PIPE CULVERTS IN UBBALLI -ANKOLA

6 PIPE CULVERTS IN GADAG-SOLAPUR

6. SPEED RESTRICTION CALCULATIONS (1988-2024)
--- 2 DESIGNS

**1 SPEED RESTRICTION CALCULATION FOR BRIDGES
AT GADAG-BAGALKOT**

**2 DERAILMENT SPEED CALCULATION FOR
HASSAN-MANGALORE SECTION**

7. DESIGN/REVIEW OF RETAINING WALLS NEAR

RAILWAY TRACK (1988-2024)

--- 54 DESIGNS

- 1 DESIGN OF REINFORCED CEMENT CONCRETE
RETAINING WALL NEAR THE ROAD OVER BRIDGE @
JUNCTION OF PALLAVANSALAI & E V RAMASAMY
ROAD CHENNAI.**
- 2 REINFORCED CEMENT CONCRETE DETAILS OF
RETAINING WALL OVER RC BOX AT HUBLI YARD**
- 3 CHIEF BRIDGE ENGINEER /UBBALLI WORKS FRAMED
RETAINING WALL AND ADEQUACY OF BRIDGE
ENGINEER /1228/BG -DRAWINGG FOR WDG4 25T2008 ,
CC+8T+2T LOADINGS VERIFCATION OF STRUCTURAL
DRAWINGS FOR ABOVE PROJECTS**
- 4 DESIGN OF RETAINING WALL WITH ORDINARY,
STEPPED REINFORCED CEMENT CONCRETE
RAFT FOUNDATIONS**
- 5 RETAINING WALLS FOR THE CHAINAGES 26588
IN BANGALORE-MYSORE**

**6 RETAINING WALLS FOR THE CHAINAGES 62670
 IN BANGALORE-MYSORE**

**7 RETAINING WALLS FOR THE CHAINAGES 62670
 IN BANGALORE-MYSORE**

**8 RETAINING WALLS FOR THE CHAINAGES 63060
 IN BANGALORE-MYSORE**

**9 RETAINING WALLS FOR THE CHAINAGES 55390
 IN BANGALORE-MYSORE**

**10 RETAINING WALLS FOR THE CHAINAGES 55410
 IN BANGALORE-MYSORE**

11 RETAINING WALL AT BANGALORE-ARSIKERE

**12 CHECKING OF RETAINING WALLS AT
 KUMARAPATTANAM.**

**13 RETAINING WALLS OF HEIGHT 3.5 M CANTILEVER
 TYPES- CALCULATIONS VERIFIED.**

14 RETAINING WALLS OF HEIGHT 6 M CANTILEVER

TYPES- CALCULATIONS VERIFIED.

**15 RETAINING WALLS OF HEIGHT 9 M CANTILEVER
TYPES- CALCULATIONS VERIFIED.**

**16 RETAINING WALLS OF HEIGHT 9 M COUNTERFORT
TYPES- CALCULATIONS VERIFIED.**

**17 RETAINING WALLS OF HEIGHT 6 M COUNTERFORT
TYPES- CALCULATIONS VERIFIED.**

**18 RETAINING WALLS OF HEIGHT 3.5 M COUNTERFORT
TYPES- CALCULATIONS VERIFIED.**

**19 RETAINING WALL FOR BR.NO 166 IN HASSAN -
MANGALOREE**

20 RETAINING WALLS @ BANGARAPET

21 RETAINING WALLS @ LOTAGOLLAHALLI

22 RETAINING WALLS @ BANGALORE EAST (PF-EXTN)

23 STRENGTHENING @FOR BRIDGE.NO 1248 IN HASSAN-

MANGALORE

- 24 STRENGTHENING OF RETAINING WALLS @
CABLE STAYED BRIDGE/KRISHNARAJAPURAM.**
- 25 COUNTERFORT RETAINING WALL OF HEIGHT 12.0,12.5 M
FOR APPROACHES OF CABLE STAYED BRIDGE /
KRISHNARAJAPURAM**
- 26 COUNTERFORT RETAINING WALL ON THE
REINFORCED CEMENT CONCRETE BOX FOR APPRO-
ACHES OF CABLE DTAYED / KRISHNARAJAPURAM**
- 27 CHECKING ADEQUACY OF RETAINING WALL
OF HEIGHT 4 M FOR BANGALORE EAST PLATFORM
EXTENSION.**
- 28 REINFORCED CEMENT CONCRETE RETAINING WALLS
@ DHARAMAVARAM- PENEKONDA**
- 29 BALLAST RETAINING WALLS @ CH: 45175 IN
DHARAMAVARAM-PENEKONDA**
- 30 BALLAST RETAINING WALLS @ CH:45950 IN**

DHARAMAVARAM-PENEKONDA

**31 BALLAST RETAINING WALLS @ CH: 29702 IN
DHARAMAVARAM-PENEKONDA**

**32 RETAINING WALL, NEAR TRACK REINFORCED CEMENT
CONCRETE COUNTERFORT RETAINING WALL**

33 RETAINING WALL @ KADAGARAVALLI YARD

34 RETAINING WALL WITHOUT WEEP HOLE FOR U-TYPE

**35 RETAINING WALL WITHOUT WEEP HOLE
CANTILEVER TYPES.**

**36 RETAINING WALL WITHOUT WEEP HOLE HOLLOW
CANTILEVER TYPES.**

**37 RETAINNG WALL-U TYPE RETAINING WALL
AT LC 4-RPC LAY OUT,**

**38 L TYPE WALL AT LEVEL CROSSING 134 IN
KRISHNARAJAPURAM- BYAPPANAHALLI SECTION**

39 TROUGH RETAINING WALL @ CH:100960 IN HASSAN-BANGALORE

**40 RETAINING WALL CONNECTING WALL WING WALL
PILE/PILE CAPS ABUTMENT/PIERS DESIGN
FOR CAUVERY BRIDGE**

41 RETAINING WALLS AT @ KOLLAR-CHIKPALAPUR

42 RETAINING WALLS AT @ MYSORE -RAMANAGARAM

43 RETAINING WALLS AT @ARSIKERE-BIRUR

44 RETAINING WALLS AT @PADIL CUTTING,

45 RETAINING WALLS AT @ KADUR YARD,

46 RETAINING WALLS AT @ HASSAN-BANGALORE

47 RETAINING WALLS AT @KUMATHAVATHI BRIDGE

48 RR MASONRY WALL @ HASSAN-BANGALORE

49 RETAINING WALLS FOR MYSORE-RAMANAGARAM

SECTIONS DESIGNED

**50 RETAINING WALLS FOR MYSORE-MANDYA
SECTIONS DESIGNED**

**51 RETAINING WALL ON EITHER SIDE OF TRACK FOR
ROAD OVER BRIDGE AT KM.90/1-2 BAGALKOT -
GULLDAGUDDA STATIONS (HEIGHT OF RETAINING
WALL 7.00M).**

**52 RETAINING WALL WITH ORDINARY, STEPPED,
REINFORCED CEMENT CONCRETE RAFT
FOUNDATIONS AND CHECKING STRESSES
FOR CHEPAK STATION BUILDING.**

**53 CHECKING OF RETAINING WALLS AT
KUMARAPATTANAM**

54 RETAINING WALLS AT BANGALORE-ARSEKERE

**8. REVIEW OF ABUTMENT DESIGN AND DRAWINGS
(1988-2024) --- 111 DESIGNS**

**1 GENERAL ARRANGEMENT DRAWING WAS VERIFIED
FOR BRIDGE AT CH:15408-IN BANGALORE- HASSAN-**

**2 FOR BRIDGE AT 759 RCC ABUTMENT, RETAINING
WALL, DESIGN AND DRAWINGS ARE VERIFIED (1 TO
8 SHEETS ST/ -07& BRIDGE /83-2007) AND BRIDGE/
196-04 VERIFIED IN HASSAN- BANGALORE**

**3 CHECKING REINFORCED CEMENT CONCRETE
ABUTMENT DESIGN FOR BRIDGE NO 758 IN MYSORE-
CHAMRAJANAGAR, AT MYSORE INCLUDING STABILITY**

**4 CHECKING REINFORCED CEMENT CONCRETE
ABUTMENT DESIGN FOR BRIDGE 301A AT MYSORE
INCLUDING STABILITY**

**5 DESIGN OF REINFORCED CEMENT CONCRETE
ABUTMENT FOR BRIDGE 725A AND 726 A CAUVERY
BRIDGE AT SRRANGAPATNA**

6 REINFORCED CEMENT CONCRETE CONTERFORT

ABUTMENT FOR 12.2 M SPANS OF PSC AND PLATE GIRDER- DESIGNED FOR CAUVERY BRIDGE

**7 WATER WAY CALCULATIONS (MAJOR BRIDGES)
FOR BR.NO.597- RDSO METHOD IN HASSAN -
MANGALORE SECTION**

**8 WATER WAY CALCULATIONS (MAJOR BRIDGES)
FOR BRIDGE.NO. 76 BIJAPUR-GAGAG BY
RDSO METHOD**

9 WATER WAY CALCULATIONS (MINOR BRIDGES)

**10 ABUTMENT WITH OPEN RAFT AND PILE CAP WITH
PILE FOR BRIDGE.NO.19 (ARAKAVATHI)**

**11 ABUTMENT WITH OPEN RAFT AND PILE CAP WITH
PILE FOR BRIDGE, AT CH:136983 @ HASSAN-
BANGALORE**

**12 STRENGTHENING OF BRIDGES/OTHER
STRUCTURES FOR BRIDGE.NO.660,**

13 STRENGTHENING OF BRIDGES/OTHER

STRUCTURES FOR BRIDGE.NO.662,

- 14 STRENGTHENING OF BRIDGES/OTHER
STRUCTURES FOR BRIDGE.NO.456**
- 15 JACKETING OF ABUTMENT AT BEDLEVEL/
FOUNDATION LEVEL FOR BRIDGE.NO.550**
- 16 JACKETING OF ABUTMENT AT BEDLEVEL /
FOUNDATION LEVEL FOR BRIDGE.NO.559.**
- 17 JACKETING OF ABUTMENT AT BEDLEVEL/
FOUNDATION LEVEL FOR BRIDGE.NO 606**
- 18 JACKETING OF ABUTMENT AT BEDLEVEL /
FOUNDATION LEVEL FOR BRIDGE.NO.667.**
- 19 ABUTMENT WITH OPEN RAFT AND PILE CAP
WITH PILE BRIDGE AT 136542 @ HASSAN-
BANGALORE**
- 20 ABUTMENT WITH OPEN RAFT AND PILE CAP
WITH PILE FOR BRIDGE AT 132855 @ HASSAN-
BANGALORE**

- 21 ABUTMENT WITH OPEN RAFT AND PILE CAP WITH PILE FOR BRIDGE AT 131755 @ HASSAN-BANGALORE**
- 22 ABUTMENT WITH OPEN RAFT AND PILE CAP WITH PILE FOR BRIDGE AT 125591 @ HASSAN-BANGALORE**
- 23 ABUTMENT WITH OPEN RAFT AND PILE CAP WITH PILE FOR BRIDGE AT 143010 @ HASSAN-BANGALORE**
- 24 KOTTUR-HARIHAR FOR BRIDGE AT CH:6553 - 4X18.0M, STABILITY OF ABUTMENT, RETURNS ETC, REINFORCED CEMENT CONCRETE BED BLOCK FOR ABUTMENT.**
- 25 HASSAN-MANGALORE STRENGTHENING - CHECKING ADEQUACY OF EXISTING BRIDGES FOR 2WDG4 + BOXN AND 3WDG3A + BOXN LOADING.**
- 26 DESIGN OF TROUGH GIRDERS @ CH:83060 IN HASSAN-BANGALORE**

**27 DESIGN OF AQUEDUCT @ CH:83060 IN
HASSAN-BANGALORE**

**28 DESIGN OF REINFORCED CEMENT CONCRETE
ABUTMENT WING WALL @ GINEGERE-RAICHUR**

**29 HUBLI-ANKOLA-BRIDGE-42, ABUTMENTS/
REINFORCED CEMENT CONCRETE BED BLOCKS**

**30 HUBLI-ANKOLA-BRIDGE- 47, ABUTMENTS/
REINFORCED CEMENT CONCRETE BED BLOCKS**

**31 ADEQUACY OF SUB STRUCTURE FOR ST/163-2013
IN GINIGERI- RAICHUR FOR 25 TON 2008**

**32 DESIGN AND DRAWING FOR TROUGH ABUTMENT
AS PER DRAWING (ST/109-19) IS VERIFIED**

**33 ABUTMENT-PILE/CAP, BED BLOCKS AT CH:34181.55 IN
KADUR-CHIKMAGALUR**

**34 DESIGN DRAWINGS OF 22 TROUGH ABUTMENTS
INCLUDING STAAD/AUTOCAD OF 84 SHEETS
ARE VERIFIED.**

**35 MAJOR BRIDGES: SUBSTRUCTURES FOR
BRIDGES @ 256 IN YESWANTPUR–TUMKUR**

**36 DESIGNS FOR BRIDGE NO .265 IN SUBRAMANYA
ROAD- KABA KAPUTTUR-FOR SAFETY CERTIFICATE
TO RUN 2WDG4 & 3WDG3A**

**37 DESIGNS FOR BRIDGES IN KANAKANADI-
KABA KAPUTTUR -FOR SAFETY CERTIFICATE
TO 2WDG4 & 3WDG3A**

**38 MAJOR BRIDGES: SUBSTRUCTURES FOR
BRIDGES @ 248 IN YESWANTPUR–TUMKUR**

**39 SUBSTRUCTURES WITH RC ABUTMENT A1 & A2
IN GADAG-WADI FOR MAJOR BRIDGE 289 .
(ST/212-2023)**

**40 HASSAN-MANGALORE STRENGTHENING OF
BRIDGE.NO.192,**

**41 VERIFICATION OF MINOR BRIDGE
GENERAL ARRANGEMENT DRAWING NO. BRIDGE-136-05**

**42 VERIFICATION OF MINOR BRIDGE
GENERAL ARRANGEMENT DRAWING NO. BRIDGE-133-05**

**43 VERIFICATION OF MINOR BRIDGE
GENERAL ARRANGEMENT DRAWING NO. BRIDGE-132-05**

**44 VERIFICATION OF MINOR BRIDGE
GENERAL ARRANGEMENT DRAWING NO. BRIDGE.134-05**

45 DRAWING ST/68-81 AND DESIGN ARE VERIFIED

**46 GENERAL ARRANGEMENT DRAWING VERIFICATION
FOR BRIDGE .NO 758 TO REVISE THE GAD
BRIDGE/196-07 SH 1 TO 2 IN MYSORE-CHAMRAJNAGAR**

**47 ADEQUACY OF ABUTMENTS FOR BRIDGE NO 710A
IN RMGM-MYSORE**

**48 ADEQUACY OF ABUTMENTS FOR BRIDGE NO 706A
IN RMGM-MYSORE**

**49 ADEQUACY OF ABUTMENTS FOR BRIDGE NO 732,
IN RMGM-MYSORE**

**50 ADEQUACY OF ABUTMENTS FOR BRIDGE NO 704A
 IN RMGM-MYSORE**

**51 STRENGTHENING BRIDGE IN HOSPET-TORNAGALLU
 FOR BRIDGE NO 149 ABUTMENT AT FOUNDATION
 LEVEL**

**52 GENERAL ARRANGEMENT DRAWING VERIFICATION
 FOR BRIDGE .NO 1274IN HASSAN-MANGALORE**

**53 BRIDGE.NO.63-ABUTMENTS-ADEQUACY
 IN BIJAPUR-GADAG**

**54 GENERAL ARRANGEMENT DRAWING VERIFICATION
 FOR BRIDGE .NO 326 IN BANGALORE-TUMKUR**

**55 GENERAL ARRANGEMENT DRAWING VERIFICATION
 FOR BRIDGE .NO 255 IN BANGALORE-TUMKUR**

**56 DESIGN OF TROUGH ABUTMENT FOR 12.2M SPAN
 FOR RDSO/B-10271**

57 DESIGN OF TROUGH ABUTMENT FOR 9.15M SPAN

FOR RDSO/B-10271

**58 DESIGN OF TROUGH ABUTMENT FOR 5.5M SPAN
FOR RDSO/B-10271**

**59 DESIGN OF TROUGH ABUTMENT FOR 4M SPAN
FOR RDSO/B-10271**

**60 DESIGN OF TROUGH ABUTMENT FOR 12.2M SPAN
FOR RDSO/B-10272**

**61 DESIGN OF TROUGH ABUTMENT FOR 9.15M SPAN
FOR RDSO/B-10272**

**62 DESIGN OF TROUGH ABUTMENT FOR 5.5M SPAN
FOR RDSO/B-10272**

**63 DESIGN OF TROUGH ABUTMENT FOR 4M SPAN
FOR RDSO/B-10272**

**64 DESIGN OF TROUGH ABUTMENT FOR 12.2M SPAN
FOR RDSO/B-10263**

65 DESIGN OF TROUGH ABUTMENT FOR 9.15M SPAN

FOR RDSO/B-10263

**66 DESIGN OF TROUGH ABUTMENT FOR 5.5M SPAN
FOR RDSO/B-10263**

**67 DESIGN OF TROUGH ABUTMENT FOR 4M SPAN
FOR RDSO/B-10263**

**68 DESIGN OF TROUGH ABUTMENT FOR 12.2M SPAN
FOR RDSO/B-10257**

**69 DESIGN OF TROUGH ABUTMENT FOR 9.15M SPAN
FOR RDSO/B-10257**

**70 DESIGN OF TROUGH ABUTMENT FOR 5.5M SPAN
FOR RDSO/B-10257**

**71 DESIGN OF TROUGH ABUTMENT FOR 4M SPAN
FOR RDSO/B-10257**

**72 CHECKING STRUCTURAL DRAWINGS ST/149-18,
TROUGH ABUTMENT)**

73 CHECKING STRUCTURAL DRAWINGS ST/148-18

TROUGH ABUTMENT)

**74 CHECKING STRUCTURAL DRAWINGS ST/276-18
TROUGH ABUTMENT)**

**75 CHECKING STRUCTURAL DRAWINGS ST/287-18
TROUGH ABUTMENT)**

**76 CHECKING STRUCTURAL DRAWINGS ST/166-18
TROUGH ABUTMENT)**

**77 CHECKING STRUCTURAL DRAWINGS ST/211-18
TROUGH ABUTMENT)**

**78 CHECKING STRUCTURAL DRAWINGS ST/47-19
(8.2 M HEIGHT TROUGH ABUTMENT).**

**79 CHECKING STRUCTURAL DRAWINGS ST/55-2019
(8.5 M TROUGH ABUTMENT)**

**80 CHECKING ADEQUACEY OF HASSAN-MANGALORE-
BRIDGE.NO 248- FOR 2WDG4+25 T AXLE LOAD**

81 CHECKING ADEQUACEY OF HASSAN-MANGALORE-

BRIDGE.NO 252 FOR 2WDG4+25 T AXLE LOAD

**82 CHECKING ADEQUACEY OF HASSAN-MANGALORE-
BRIDGE.NO 292 FOR 2WDG4+25 T AXLE LOAD**

**83 CHECKING ADEQUACEY OF HASSAN-MANGALORE-
BRIDGE.NO 280 FOR 2WDG4+25 T AXLE LOAD**

**84 CHECKING ADEQUACEY OF HASSAN-MANGALORE-
BRIDGE.NO 316 FOR 2WDG4+25 T AXLE LOAD**

**85 CHECKING ADEQUACEY OF HASSAN-MANGALORE-
BRIDGE.NO 249 FOR 2WDG4+25 T AXLE LOAD**

**86 CHECKING ADEQUACEY OF HASSAN-MANGALORE-
BRIDGE.NO 337 FOR 2WDG4+25 T AXLE LOAD**

**87 CHECKING ADEQUACEY OF HASSAN-MANGALORE-
BRIDGE.NO 138 FOR 2WDG4+25 T AXLE LOAD**

**88 CHECKING ADEQUACEY OF HASSAN-MANGALORE-
BRIDGE.NO 212 FOR 2WDG4+25 T AXLE LOAD**

89 CHECKING ADEQUACEY OF HASSAN-MANGALORE-

BRIDGE.NO 300- FOR 2WDG4+25 T AXLE LOAD

**90 GENERAL ARRANGEMENT DRAWING VERIFICATION
FOR BRIDGE .NO 770 IN BANGALORE-MYSORE**

**91 GENERAL ARRANGEMENT DRAWING VERIFICATION
FOR BRIDGE .NO 771A IN BANGALORE-MYSORE**

**92 GENERAL ARRANGEMENT DRAWING VERIFICATION
FOR BRIDGE .NO 772A IN BANGALORE-MYSORE**

**93 GENERAL ARRANGEMENT DRAWING VERIFICATION
FOR BRIDGE .NO 778 IN BANGALORE-MYSORE**

**94 GENERAL ARRANGEMENT DRAWING VERIFICATION
FOR BRIDGE .NO 719IN BANGALORE-MYSORE**

**95 GENERAL ARRANGEMENT DRAWING VERIFICATION
FOR BRIDGE .NO 780 IN BANGALORE-MYSORE**

**96 GENERAL ARRANGEMENT DRAWING VERIFICATION
FOR BRIDGE .NO 783A IN BANGALORE-MYSORE**

97 GENERAL ARRANGEMENT DRAWING VERIFICATION

FOR BRIDGE .NO 781 IN BANGALORE-MYSORE

**98 GENERAL ARRANGEMENT DRAWING VERIFICATION
FOR BRIDGE .NO 765-A IN BANGALORE-MYSORE**

**99 GENERAL ARRANGEMENT DRAWING VERIFICATION
FOR BRIDGE .NO ,781-A IN BANGALORE-MYSORE**

**100 ADEQUACEY OF BRIDGE ABUTMENTS FOR -23 NOS IN
TORNAGALLU-BAYALUVADIGARAI-**

**101 VERIFYING THE ADEQUACY OF ABUTMENT FOR
2WDG4/3WDG3A MAJOR BRIDGE NO.63D,
IN BIJAPUR-GADAG**

**102 VERIFYING THE ADEQUACY OF ABUTMENT FOR
2WDG4/3WDG3A MAJOR BRIDGE NO.63,
IN BIJAPUR-GADAG**

**103 SPEED RESTRICTION CALCULATION FOR BRIDGES
AT GADAG-BAGALKOT**

104 DERAILMENT SPEED CALCULATION FOR HASSAN-

MANGALORE SECTION

**105 INVERTED FOUNDATIONS JACKETING FOR
BRIDGE.NO 133 IN HASSAN--MYSORE**

**106 INVERTED FOUNDATIONS JACKETING FOR
BRIDGE .NO ,142 IN HASSAN--MYSORE**

**107 INVERTED FOUNDATIONS JACKETING FOR
BRIDGE.NO 156 IN HASSAN--MYSORE**

**108 INVERTED FOUNDATIONS JACKETING FOR
BRIDGE.NO 150 IN HASSAN--MYSORE**

**109 STRENGTHENING @FOR BRIDGE.NO 1248
IN HASSAN-MANGALORE**

110 MINIMUM GRADE OF CONCRETE GUIDE LINES

**111 DERAILMENT SPEED CALCULATION FOR HASSAN-
MANGALORE SECTION**

**9. DESIGN / REVIEW OF PIER DESIGN AND DRAWINGS
(1988-2024) --- 63 DESIGNS**

- 1 REINFORCED CEMENT CONCRETE PIER WALL FOR
BRIDGE.NO.301-A IN HASSAN- MYSORE**
- 2 DESIGN REINFORCED CEMENT CONCRETE CIRCULAR
PIER AND FOOTING BRIDGE NO AT CH:40500- IN
DHARAMAVARAM- PENEKONDA**
- 3 CHECKING REINFORCED CEMENT CONCRETE PIER AND
ABUTMENT DESIGN FOR BRIDGE NO 758 IN MYSORE-
CHAMRAJNAGAR MYS INCLUDING STABILITY**
- 4 DESIGN OF REINFORCED CEMENT CONCRETE PIER AND
ABUTMENT FOR BRIDGE NO 725A CAUVERY BRIDGE
SRIRANGAPATNA**
- 5 DESIGN OF REINFORCED CEMENT CONCRETE PIER AND
ABUTMENT FOR BRIDGE NO 726 A CAUVERY BRIDGE
SRIRANGAPATNA**
- 6 PIER WITH OPEN RAFT BRIDGE.NO.19 (ARAKAVATHI)**

**7 PIER WITH WELL& WELL CAP BRIDGE NO.8 IN
GADAG-BAGALKOT**

**8 PIER WITH WELL& WELL CAP BRIDGE.NO.76 IN
GADAG-BAGALKOT**

**9 PIER WITH WELL& WELL CAP BRIDGE.NO.9 @
UBALLI-ANKOLA**

**10 HASSAN-MANGALORE STRENGTHENING -
CHECKING ADEQUACY OF EXISTING BRIDGES FOR
2WDG4 + BOXN AND 3WDG3A + BOXN LOADING.
(AMONG 685 BRIDGES VERIFIED, 6 BRIDGES ARE
STRENGTHENED)**

**11 BRIDGE.NO.8 IN UBALLI-ANKOLA VERIFICATION
OF REINFORCED CEMENT CONCRETE DETAILS OF
WELL CAP FOR PIERS AND REINFORCED CEMENT
CONCRETE DETAILS OF WELL CAP FOR ABUTMENTS
& RETURN WALL. RCC DETAILS OF BED BLOCK
FOR ABUTMENT. RCC DETAILS OF BED BLOCK
FOR PIERS**

12 KOTTUR-HARIHAR, BRIDGE AT CH:6553 - 4X18.0M

**REINFORCED CEMENT CONCRETE PIERS FOOTING
AND PIER CAPS BED BLOCK.**

- 13 REINFORCED CEMENT CONCRETE PIER FOOTING AND
PIER CAPS BED BLOCK. STABLITY OF ABUTMENT,
RETURNS ETC.REINFORCED CEMENT CONCRETE BED
BLOCK FOR ABUTMENT FOR HUBLI-ANKOLA BRIDGE 42**
- 14 REINFORCED CEMENT CONCRETE PIERS FOOTING
AND. PIER CAPS BED BLOCK. STABLITY OF
ABUTMENT, RETURNS ETC. REINFORCED CEMENT
CONCRETE BED BLOCK FOR ABUTMENT. FOR HUBLI-
ANKOLA- BRIDGE-47**
- 15 PIERS/ABUTMENTS/RCC TRESTLES/BED BLOCKS
IN KADUR-X KADUR-CHIKMAGALUR FOR VIADUCT
BRIDGES AT CH:21666**
- 16 PIERS/ABUTMENTS/RCC TRESTLES/BED BLOCKS
IN KADUR-X KADUR-CHIKMAGALUR FOR VIADUCT
BRIDGES AT CH:34181.55**
- 17 LONG WELDED RAILS ADEQUACY FOR VIADUCT@
34181.5 IN KADUR-CHIKMAGALUR**

**18 LONG WELDED RAILS ADEQUACY FOR VIADUCTS@
21666 IN KADUR-CHIKMAGALUR**

**19 DESIGN OF TROUGH ABUTMENT / PIERS FOR
12.2M SPAN FOR RDSO/B-10271**

**20 DESIGN OF TROUGH ABUTMENT / PIERS FOR
9.15M SPAN FOR RDSO/B-10271**

**21 DESIGN OF TROUGH ABUTMENT / PIERS FOR
5.5M SPAN FOR RDSO/B-10271**

**22 DESIGN OF TROUGH ABUTMENT / PIERS FOR
4M SPANFOR RDSO/B-10271**

**23 DESIGN OF TROUGH ABUTMENT / PIERS FOR
12.2M SPAN FOR RDSO/B-10272**

**24 DESIGN OF TROUGH ABUTMENT / PIERS FOR
9.15M SPAN FOR RDSO/B-10272**

**25 DESIGN OF TROUGH ABUTMENT / PIERS FOR
5.5M SPAN FOR RDSO/B-10272**

**26 DESIGN OF TROUGH ABUTMENT / PIERS
FOR 4M SPAN FOR RDSO/B-10272**

**27 DESIGN OF TROUGH ABUTMENT / PIERS FOR
12.2M SPAN FOR RDSO/B-10263**

**28 DESIGN OF TROUGH ABUTMENT / PIERS FOR
9.15M SPAN FOR RDSO/B-10263**

**29 DESIGN OF TROUGH ABUTMENT / PIERS FOR
5.5M SPAN FOR RDSO/B-10263**

**30 DESIGN OF TROUGH ABUTMENT / PIERS FOR
4M SPAN FOR RDSO/B-10263**

**31 DESIGN OF TROUGH ABUTMENT / PIERS FOR
12.2M SPAN FOR RDSO/B-10257**

**32 DESIGN OF TROUGH ABUTMENT / PIERS FOR
9.15M SPAN FOR RDSO/B-10257**

**33 DESIGN OF TROUGH ABUTMENT / PIERS FOR
5.5M SPAN FOR RDSO/B-10257**

**34 DESIGN OF TROUGH ABUTMENT / PIERS FOR
4M SPAN FOR RDSO/B-10257**

**35 CHECKING STRUCTURAL DRAWINGS ST/149-18,
ST/148-18, ST/276-18, ST/287-18, ST/166-18, ST/211-18,
ST/47-19 (8.2 M HEIGHT TROUGH),
ST/55-2019 (8.5 M HEIGHT TROUGH)**

**36 DESIGN OF DOWEL FOR RDSO/B-10649/R AT JOINTS OF
REINFORCED CEMENT CONCRETE PIER DRAWING**

**37 MAJOR BRIDGES: SUBSTRUCTURES FOR
BRIDGES @ 256 IN YESWANTPUR –TUMKUR.**

**38 MAJOR BRIDGES: SUBSTRUCTURES FOR
BRIDGES @ 248 IN YESWANTPUR –TUMKUR.**

**39 RAIL STRUCTURE INTERACTION ANALYSIS OF MAJOR
BRIDGE 96 IN LONDA-MEERAJ**

**40 RAIL STRUCTURE INTERACTION ANALYSIS OF MAJOR
BRIDGE 102 IN LONDA-MEERAJ**

**41 RAIL STRUCTURE INTERACTION ANALYSIS OF MAJOR
BRIDGE 119A IN LONDA-MEERAJ**

**42 RAIL STRUCTURE INTERACTION ANALYSIS OF MAJOR
BRIDGES 129 IN LONDA-MEERAJ**

**43 RAIL STRUCTURE INTERACTION ANALYSIS OF MAJOR
BRIDGE NO 67 IN GADFAG-WADI**

**44 STRENGTHENING BRIDGE, NO 152-HOSPET-
TORNAGALLU PIER AT BED LEVEL**

**45 STRENGTHENING BRIDGE NO 149 HOSPET-
TORNAGALLU ABUTMENT AT FOUNDATION LEVEL**

**46 BRIDGE.NO.63-PIERS/ABUTMENTS-ADEQUACY
IN BIJAPUR-GADAG**

**47 FOR 2WDG4+25T AXLE LOAD, CHECKING ADEQUACY
OF HASSAN- MANGALORE-BRIDGE.NO 248**

**48 FOR 2WDG4+25T AXLE LOAD, CHECKING ADEQUACY
OF HASSAN- MANGALORE-BRIDGE.NO 252**

**49 FOR 2WDG4+25T AXLE LOAD, CHECKING ADEQUACEY
OF HASSAN-MANGALORE-BRIDGE.NO 292**

**50 FOR 2WDG4+25T AXLE LOAD, CHECKING ADEQUACEY
OF HASSAN- MANGALORE-BRIDGE.NO 280**

**51 FOR 2WDG4+25T AXLE LOAD, CHECKING ADEQUACEY
OF HASSAN- MANGALORE-BRIDGE.NO 316**

**52 FOR 2WDG4+25T AXLE LOAD, CHECKING ADEQUACEY
OF HASSAN- MANGALORE-BRIDGE.NO 249**

**53 FOR 2WDG4+25T AXLE LOAD, CHECKING ADEQUACEY
OF HASSAN- MANGALORE-BRIDGE.NO 337**

**54 FOR 2WDG4+25T AXLE LOAD, CHECKING ADEQUACEY
OF HASSAN- MANGALORE-BRIDGE.NO 13**

**55 FOR 2WDG4+25T AXLE LOAD, CHECKING ADEQUACEY
OF HASSAN- MANGALORE-BRIDGE.NO 82**

**56 FOR 2WDG4+25T AXLE LOAD, CHECKING ADEQUACEY
OF HASSAN- MANGALORE-BRIDGE.NO 12**

**57 FOR 2WDG4+25T AXLE LOAD, CHECKING ADEQUACEY
OF HASSAN- MANGALORE-BRIDGE.NO 30**

**58 FOR 2WDG4+25T AXLE LOAD, CHECKING ADEQUACEY
OF HASSAN- MANGALORE-BRIDGE.NO 02**

**59 FOR 2WDG4+25T AXLE LOAD, CHECKING ADEQUACEY
OF HASSAN- MANGALORE-BRIDGE.NO 255**

**60 FOR 2WDG4+25T AXLE LOAD, CHECKING ADEQUACEY
OF HASSAN- MANGALORE-BRIDGE.NO326**

**61 TORNAGALLU-BAYALUVADIGARAI-ADEQUACEY OF
BRIDGES FOR -23 NOS**

**62 VERIFICATION OF ADEQUACY CALCULATION FOR
2WDG4/3WDG3A IN BIJAPUR-GADAG MAJOR
BRIDGE NO.63**

**63 VERIFICATION OF ADEQUACY CALCULATION FOR
2WDG4/3WDG3A IN BIJAPUR-GADAG MAJOR
BRIDGE NO.63D**

**10. ADEQUACY DESIGN FOR STONE SLABS FOR INDIAN
RAILWAY STANDARD LOADING (1988-2024) --- 9
DESIGNS**

- 1 STONE SLABS ADEQUACY FOR MODIFIED BROAD
GAUGE LOADING 1987 -FOR BRIDGE.NO.386-A**
- 2 STONE SLABS ADEQUACY FOR MODIFIED BROAD
GAUGE LOADING 1987 -FOR BRIDGE.NO.385**
- 3 STONE SLABS ADEQUACY FOR MODIFIED BROAD
GAUGE LOADING 1987 -FOR BRIDGE.NO.309**
- 4 STONE SLABS ADEQUACY FOR MODIFIED BROAD
GAUGE LOADING 1987 -FOR BRIDGE.NO.368**
- 5 STONE SLABS ADEQUACY FOR MODIFIED BROAD
GAUGE LOADING 1987 -FOR BRIDGE.NO.331**
- 6 STONE SLAB ADEQUACY FOR MBG LOADING 1987
, BRIDGE.NO.593 IN BANGALORE-ARSIKERE**
- 7 STONE SLAB ADEQUACY FOR BRIDGE.NO.221
IN YESWANTPUR-ARSIKERE**

**8 STONE SLABS-LOAD COMPARISION FOR BRIDGE.NO
1&29 IN BIRUR-CHIGJAJUR**

**9 VERFYING ADEQUACY OF STONE SLABS FOR
DEDICATED
FEEDER CORRIDOR LOADING 2008 FOR BRIDGE
173 IN ARSIKERE-TUMKUR**

**11. ARCH TEST LOADS AND DESIGN OF ARCH
BRIDGES (1988-2024) --- 60 DESIGNS**

**1 ARCH BRIDGES- CALCULATION OF TEST LOADS,
USING COMPUTER PROGRAMS & NOMOGRAMS,
FOR BRIDGE.NO.415 FOR BANGALORE-
ARSIKERE LINE.**

**2 ARCH BRIDGES- CALCULATION OF TEST LOADS,
USING COMPUTER PROGRAMS & NOMOGRAMS,
FOR BRIDGE .NO 417 FOR BANGALORE-
ARSIKERE LINE.**

3 ARCH BRIDGES- CALCULATION OF TEST LOADS,

**USING COMPUTER PROGRAMS & NOMOGRAMS,
FOR BRIDGE .NO 418 FOR BANGALORE-
ARSIKERE LINE.**

**4 ARCH BRIDGES- CALCULATION OF TEST LOADS,
USING COMPUTER PROGRAMS & NOMOGRAMS,
FOR BRIDGE .NO 419 FOR BANGALORE-
ARSIKERE LINE.**

**5 ARCH BRIDGES- CALCULATION OF TEST LOADS,
USING COMPUTER PROGRAMS & NOMOGRAMS,
FOR BRIDGE .NO 421 FOR BANGALORE-
ARSIKERE LINE.**

**6 ARCH BRIDGES- CALCULATION OF TEST LOADS,
USING COMPUTER PROGRAMS & NOMOGRAMS,
FOR BRIDGE .NO 521 FOR BANGALORE-
ARSIKERE LINE.**

**7 ARCH BRIDGES- CALCULATION OF TEST LOADS,
USING COMPUTER PROGRAMS & NOMOGRAMS,
FOR BRIDGE.NO 288 FOR BANGALORE-
ARSIKERE LINE.**

**8 ARCH BRIDGES- CALCULATION OF TEST LOADS,
USING COMPUTER PROGRAMS & NOMOGRAMS,
FOR BRIDGE.NO 284 FOR BANGALORE-
ARSIKERE LINE.**

**9 ARCH BRIDGES- CALCULATION OF TEST LOADS,
USING COMPUTER PROGRAMS & NOMOGRAMS,
FOR BRIDGE.NO 286 FOR BANGALORE-
ARSIKERE LINE.**

**10 ARCH BRIDGES- CALCULATION OF TEST LOADS,
USING COMPUTER PROGRAMS &NOMOGRAMS,
FOR BRIDGE.NO 268 FOR BANGALORE-
ARSIKERE LINE.**

**11 ARCH BRIDGES- CALCULATION OF TEST LOADS,
USING COMPUTERPROGRAMS & NOMOGRAMS,
FOR BRIDGE.NO 336 FOR BANGALORE-
ARSIKERE LINE.**

**12 ARCH BRIDGES- CALCULATION OF TEST LOADS,
USING RESEARCH DESIGNS STANDARD ORGANIZATION
METHOD FOR BRIDGE.NO.415 FOR BANGALORE-
ARSIKERE LINE.**

**13 ARCH BRIDGES- CALCULATION OF TEST LOADS,
USING RESEARCH DESIGNS STANDARD ORGANIZATION
METHOD, FOR BRIDGE.NO 417 FOR BANGALORE-
ARSIKERE LINE.**

**14 ARCH BRIDGES- CALCULATION OF TEST LOADS,
USING RESEARCH DESIGNS STANDARD ORGANIZATION
METHOD, FOR BRIDGE.NO 418 FOR BANGALORE-
ARSIKERE LINE.**

**15 ARCH BRIDGES- CALCULATION OF TEST LOADS,
USING RESEARCH DESIGNS STANDARD ORGANIZATION
METHOD, FOR BRIDGE.NO 419 FOR BANGALORE-
ARSIKERE LINE.**

**16 ARCH BRIDGES- CALCULATION OF TEST LOADS,
USING RESEARCH DESIGNS STANDARD ORGANIZATION
METHOD, FOR BRIDGE.NO 421 FOR BANGALORE-
ARSIKERE LINE.**

**17 ARCH BRIDGES- CALCULATION OF TEST LOADS,
USING RESEARCH DESIGNS STANDARD ORGANIZATION
METHOD, FOR BRIDGE.NO 419 FOR BANGALORE-**

ARSIKERE LINE.

- 18 ARCH BRIDGES- CALCULATION OF TEST LOADS, USING RDSO METHOD, FOR BRIDGE.NO 521 FOR BANGALORE-ARSIKERE LINE.**
- 19 ARCH BRIDGES- CALCULATION OF TEST LOADS, USING RESEARCH DESIGNS STANDARD ORGANIZATION METHOD, FOR BRIDGE.NO 288 FOR BANGALORE-ARSIKERE LINE.**
- 20 ARCH BRIDGES- CALCULATION OF TEST LOADS, USING RESEARCH DESIGNS STANDARD ORGANIZATION METHOD, FOR BRIDGE.NO 284 FOR BANGALORE-ARSIKERE LINE.**
- 21 ARCH BRIDGES- CALCULATION OF TEST LOADS, USING RESEARCH DESIGNS STANDARD ORGANIZATION METHOD, FOR BRIDGE.NO 286. FOR BANGALORE-ARSIKERE LINE.**
- 22 ARCH BRIDGES- CALCULATION OF TEST LOADS, USING RESEARCH DESIGNS STANDARD ORGANIZATION METHOD, FOR BRIDGE.NO 268 FOR BANGALORE-**

ARSIKERE LINE.

- 23 ARCH BRIDGES- CALCULATION OF TEST LOADS, USING RESEARCH DESIGNS STANDARD ORGANIZATION METHOD, FOR BRIDGE.NO 336 FOR BANGALORE-ARSIKERE LINE.**
- 24 ARCH TEST LOAD & RING STRESSES BRIDGE.NO.353 IN ARSEKERE-TUMKURU**
- 25 ARCH TEST LOAD & RING STRESSES BRIDGE.NO.336 IN ARSEKERE-TUMKURU**
- 26 IN ARSEKERE-BIRUR-CHIKJAJUR EDGE BEAMS, INTRADOS JACKETING FOR BRIDGE.NO 186**
- 27 IN ARSEKERE-BIRUR-CHIKJAJUR EDGE BEAMS, INTRADOS JACKETING FOR BRIDGE.NO 185**
- 28 IN ARSEKERE-BIRUR-CHIKJAJUR EDGE BEAMS, INTRADOS JACKETING FOR BRIDGE.NO 155**
- 29 IN ARSEKERE-BIRUR-CHIKJAJUR EDGE BEAMS, INTRADOS JACKETING FOR BRIDGE.NO 162**

**30 IN ARSEKERE-BIRUR-CHIKJAJUR EDGE BEAMS,
INTRADOS JACKETING FOR BRIDGE.NO 137**

**31 IN ARSEKERE-BIRUR-CHIKJAJUR EDGE BEAMS,
INTRADOS JACKETING FOR BRIDGE.NO 124**

**32 IN ARSEKERE-BIRUR-CHIKJAJUR EDGE BEAMS,
INTRADOS JACKETING FOR BRIDGE.NO 103**

**33 IN ARSEKERE-BIRUR-CHIKJAJUR EDGE BEAMS,
INTRADOS JACKETING FOR BRIDGE.NO 93**

**34 IN ARSEKERE-BIRUR-CHIKJAJUR EDGE BEAMS,
INTRADOS JACKETING FOR BRIDGE.NO 88**

**35 IN ARSEKERE-BIRUR-CHIKJAJUR EDGE BEAMS,
INTRADOS JACKETING FOR BRIDGE.NO 81**

**36 IN ARSEKERE-BIRUR-CHIKJAJUR EDGE BEAMS,
INTRADOS JACKETING FOR BRIDGE.NO 72**

**37 IN ARSEKERE-BIRUR-CHIKJAJUR EDGE BEAMS,
INTRADOS JACKETING FOR BRIDGE.NO 69**

**38 IN ARSEKERE-BIRUR-CHIKJAJUR EDGE BEAMS,
INTRADOS JACKETING FOR BRIDGE.NO. 65**

**39 IN ARSEKERE-BIRUR-CHIKJAJUR EDGE BEAMS,
INTRADOS JACKETING FOR BRIDGE.NO 64**

**40 ARCH RING ANALYSIS AND STABILITY FOR
BRIDGE.NO.155 IN ARSEKERE-CHITRADURG**

**41 ARCH RING ANALYSIS AND STABILITY FOR
BRIDGE.NO.142 IN ARSEKERE-CHITRADURG**

**42 ARCH RING ANALYSIS AND STABILITY FOR
BRIDGE.NO.137 IN ARSEKERE-CHITRADURG**

**43 EDGE BEAM STABILITY FOR, BRIDGE.NO 139
IN ARSEKERE-CHITRADURG**

**44 EDGE BEAM STABILITY FOR, BRIDGE.NO142
IN ARSEKERE-CHITRADURG**

**45 ARCH TEST LOADS & PROCESSING TEST LOADS
AND REPORTS TO COMMISSIONER OF RAILWAY**

SAFETY FOR BRIDGE. 139 ARSEKERE-CHITRADURG

**46 ARCH TEST LOADS & PROCESSING TEST LOADS
AND REPORTS TO COMMISSIONER OF RAILWAY
SAFETY FOR BRIDGE 127 ARSEKERE-CHITRADURG**

**47 IN CHIKJAJUR-CHITRADURG, FOR BRIDGE.
NO.18-ARCHBOX DESIGN**

**48 IN CHIKJAJUR-CHITRADURG, FOR BRIDGE.
NO.12-EDGE BEAM-DESIGN**

**49 IN CHIKJAJUR-CHITRADURG, FOR BRIDGE
NO 10-EDGE BEAM-DESIGN**

**50 IN CHIKJAJUR-CHITRADURG, FOR BRIDGE.
NO.10-TEST LOAD.**

**51 ADEQUACY OF ARCH RING -FOR BRIDGE.NO. 1269
IN MANGALORE-ULLAL**

**52 ARCH .TEST LOAD FOR BRIDGE.NO 81
IN HASSAN-MYSORE**

**53 ARCH .TEST LOAD FOR BRIDGE.NO 82
IN HASSAN-MYSORE**

**54 ARCH .TEST LOAD FOR BRIDGE.NO 83
IN HASSAN-MYSORE**

**55 ARCH .TEST LOAD FOR BRIDGE.NO. 170
IN MYSORE-AKKIHEBBALLU CALCULATIONS DONE.**

**56 ARCH .TEST LOAD FOR BRIDGE.NO. 269
IN MYSORE-AKKIHEBBALLU CALCULATIONS DONE.**

**57 ARCH .TEST LOAD FOR BRIDGE.NO. 273
IN MYSORE-AKKIHEBBALLU CALCULATIONS DONE.**

**58 ARCH .TEST LOAD FOR BRIDGE.NO. 274
IN MYSORE-AKKIHEBBALLU CALCULATIONS DONE.**

**59 ARCH .TEST LOAD FOR BRIDGE.NO 296
IN MYSORE-AKKIHEBBALLU CALCULATIONS DONE.**

60 ADEQUACY OF ARCH BRIDGES-GADAG-SOLAPUR

12. PRESTRESSED CONCRETE BRIDGES (1988-2024) --- 24
DESIGNS

- 1 LOADS AND ELONGATION DETAIL CALCULATIONS FOR PRESTRESSED CONCRETE STRANDS OF PRESTRESSED CONCRETE GIRDER ARE ESTIMATED FOR MADRAS RAPID TRANSIT SYSTEM BRIDGE**
- 2 CALCULATION OF DEFLECTIONS OF TRANSITION CURVE IN PRESTRESSED CONCRETE GIRDER WAY FOR MADRAS RAPID TRANSIT SYSTEM ELEVATED GIRDER IS VERIFIED**
- 3 FOR BRIDGE.NO.470 IN SALEM-BANGALORE, PRESTRESSED CONCRETE GIRDER AND BEDBLOCK DESIGNS ARE VERIFIED**
- 4 CHECKING CONSULTANT DESIGNS- STUP CONSULTANTS DESIGNS OF PRESTRESSED CONCRETE GIRDER FOR ROAD OVER BRIDGE @ NAYANDAHALLI IS VERIFIED**
- 5 DEFLECTION CALCULATION OF (PRESTRESSED CONCRETE GIRDER) ST /274-99 FOR BRIDGE.NO 1248 @**

HASSAN-MANGALORE. IS VERIFIED

- 6 END BLOCK STRESS CALCULATION OF PRESTRESSED CONCRETE GIRDER OF LAKSHMANATHEERTHA BRIDGE AT HASSAN-MYSPRE IS EXAMINED**
- 7 CAST-IN-SITU PRESTRESSED CONCRETE BOX GIRDERS FOR BRIDGE.NO.9 @ UBBALLI-ANKOLA, IS VERIFIED**
- 8 CAST-IN-SITU PRESTRESSED CONCRETE BOX GIRDERS FOR BRIDGE.NO.1274 IN NETHRAVATHI -HASSAN-MANGALORE SECTION IS VERIFIED**
- 9 DESIGN OF ELASTOMERIC BEARINGS FOR BRIDGE.NO. 76 8X30.48 PRESTRESSED CONCRETE BOX GIRDER NEAR BENNHALLI STATIONS IS EXAMINED**
- 10 FOR BRIDGE AT CH.6553. 4X18.3M PRESTRESSED CONCRETE GIRDER ACROSS MARUR RIVER BETWEEN KOTTUR IS EXAMINED**
- 11 DESIGN DETAIL OF PRESTRESSED CONCRETE SLAB FOR KOTTUR-HARIHAR BRIDGE @ CH:26625 IS VERIFIED**

12 DESIGN DETAIL OF PRESTRESSED CONCRETE SLAB FOR KOTTUR-HARIHAR BRIDGE @ CH: 27625 IS VERIFIED

13 DESIGN DETAILS OF LC -45-PRESTRESSED CONCRETE BOX GIRDER IN BAGALKOT ARE VERIFIED

14 DESIGN DETAILS OF PRESTRESSED CONCRETE SLAB FOR BRIDGE NO 265 AT KM 144/3-4 KUMSI ANADPUR STATIONS ARE VERIFIED

15 DEFLECTION CALCULATIONS FOR PRESTRESSED CONCRETE SLABS VIDE RESEARCH DESIGNS STANDARD ORGANIZATION DRAWING RDSO/B-10262, RDSO/B-10271 AND RDSO / B-10272 ARE ESTIMATED

16 PRESTRESSED CONCRETE SLAB ADEQUACY FOR RESEARCH DESIGNS STANDARD ORGANIZATION DRAWING RDSO-B-10241 R IS EXAMINED

17 ADEQUACY OF PRESTRESSED CONCRETE SLABS FOR SPANS 6.1M, 4.57 M,3.66 M AND 3.05 M FOR DEDICATED FEEDER CORRIDOR LOADING ARE EXAMINED

18 FOR BRIDGE NO 759, PRESTRESSED CONCRETE T-BEAM

DECK, DESIGN AND DRAWINGS ARE VERFIED IN HASSAN-MYSORE AND ALSO DRAWING DETAILS FROM 1 TO 8 SHEETS ST/ -07& BR /83-2007 ARE VERIFIED

19 BRIDGE.NO.1274 28X21.384 PRESTRESSED CONCRETE BOX GIRDER & 2X45.72M AT KM.881/10 - 882/9 ACROSS NETRAVATHI RIVER SUPERSTRUCTURE. (I) DETAILS OF PRESTRESSED CONCRETE CABLE PROFILE (II) REINFORCEMENT DETAILS (III) GENERAL ARRANGEMENT OF PRESTRESSED CONCRETE GIRDER PILE AND PILE CAP FOR LOCATIONS PIERS, P3 TO P20.

20 COSTING OF PRESTRESSED CONCRETE SLAB IN MANGALORE

21 ADEQUACY OF RESEARCH DESIGNS STANDARD ORGANIZATION DRAWING RDSO/B-1593 FOR PRESTRESSED CONCRETE WORKS @CH:12862 @ DHARAMAVARAM- PENEKONDA SECTION

22 PRESTRESSED CONCRETE BOX GIRDER. FOR BRIDGE OF 12X30.776 .AT CH.34181.55 IN KADUR-CHIKMAGALUR SECTION

**23 PRESTRESSED CONCRETE BOX GIRDER. FOR BRIDGE
OF 12X30.776. AT CH.21666. IN KADUR-CHIKMAGALUR
SECTION**

**24 PRESTRESSED CONCRETE -I GIRDER FOR BRIDGE NO. 42,
UBBALLI- ANKOLA SECTION**

**13. BRIDGE SLABS DESIGNS AND VERIFICATIONS FOR
IRS LOADINGS (1988-2024) --- 53 DESIGNS**

**1 CHECKING ADEQUACY OF REINFORCED CEMENT
CONCRETE SLAB FOR 4 DEGREE CURVED TRACK.**

**2 DESIGN OF REINFORCED CEMENT CONCRETE DECK
SLABS FOR BRIDGE.NOS.77 IN CHITRADURG-RAYADURG.**

**3 DESIGN OF REINFORCED CEMENT CONCRETE DECK
SLABS FOR BRIDGE.NOS. 89 IN CHITRADURG-
RAYADURG.**

**4 REINFORCED CEMENT CONCRETE SLABS FOR BRIDGE.
NO.106 IN CHITRADURG-RAYADURG.**

5 DESIGN OF RAIL CONCRETE SLABS FOR BRIDGE.NO.

590 IN BANGALORE-ARSEKERE.

**6 DESIGN OF RAIL CONCRETE SLABS FOR BRIDEG.NO
591 IN BANGALORE-ARSEKERE.**

**7 DESIGN OF RAIL CONCRETE SLABS FOR BRIDGE.NO
583-A IN BANGALORE-ARSEKERE.**

**8 DESIGN OF RAIL CONCRETE SLABS FOR BRIDGE.NO
420-A IN BANGALORE-ARSEKERE.**

**9 IN CHITRADURG-RAYADURG FOR BRIDGE.NO.41-A-
REINFORCED CEMENT CONCRETE SLABS DESIGNING**

**10 IN CHITRADURG-RAYADURG, FOR BRIDEG.NO.93-
REINFORCED CEMENT CONCRETE SLABS DESIGNING**

11 EDGE SLABS, FOR BRIDEG.NO 185

12 EDGE SLABS, FOR BRIDEG.NO 163

13 EDGE SLABS, FOR BRIDEG.NO 137

14 EDGE SLABS, FOR BRIDGE.NO 124

15 EDGE SLABS, FOR BRIDGE.NO 89

16 EDGE SLABS, FOR BRIDGE.NO 77.

**17 CHIKJAJUR-HARIHAR SLAB CHECKED FOR
BRIDEG.NOS 63**

**18 CHIKJAJUR-HARIHAR SLAB CHECKED FOR
DRAWING.NO.BA566**

19 STONE SLABS-LOAD COMPARISION FOR BRIDEG.NO 1

20 STONE SLABS-LOAD COMPARISION FOR BRIDGE.NO 29.

**21 BANGALORE-DHARMAVARAM, CHECKING ADEQUACY
FOR REINFORCED CEMENT CONCRETE SLAB &
STABILITY FOR, BRIDEG.NO 457.**

**22 REINFORCED CEMENT CONCRETE SLABS FOR BRIDEG.
NO 457 IN BANGALORE-DHARMAVARAM-DESIGNING**

**23 REINFORCED CEMENT CONCRETE SLABS FOR BRIDGE.
NO 80 IN HASSAN-MYSORE -CHECKING**

**24 REINFORCED CEMENT CONCRETE SLABS FOR BRIDEG.
NO FOR BR.NO 292-A, IN HASSAN-HOLENARSHIPUR
DESIGNING**

**25 REINFORCED CEMENT CONCRETE SLABS FOR BRIDEG.
NO FOR A SLAB IN CHITAL-MANGALORE-DESIGNING**

**26 VERIFICATION OF SKEW SLABS FOR BRIDEG.NO 728
IN WHITEFIELD-KUPPAM,**

**27 VERIFICATION OF SKEW SLABS FOR BRIDGE.NO 732
IN WHITEFIELD-KUPPAM,**

**28 DESIGN OF REINFORCED CEMENT CONCRETE SLABS
FOR BRIDGE.NO. 556 IN HASSAN- MANGALORE BETWEEN
KANKANADI-KABAAPUTTUR SECTIONS.**

**29 DESIGN OF REINFORCED CEMENT CONCRETE SLABS
FOR BRIDEG.NO 559 IN HASSAN-MANGALORE BETWEEN
KANKANADI-KABAAPUTTUR SECTIONS.**

**30 DESIGN OF REINFORCED CEMENT CONCRETE SLABS
FOR BRIDEG.NO 479 IN HASSAN-MANGALORE BETWEEN**

KANKANADI-KABAAPUTTUR SECTIONS.

**31 DESIGNS FOR PROVIDING APPROACH SLABS TO
RELIEVE BRIDGE.NO.519**

**32 DESIGNS FOR PROVIDING APPROACH SLABS TO
RELIEVE BRIDGE.NO.529**

**33 DESIGNS FOR PROVIDING APPROACH SLABS TO
RELIEVE BRIDGE.NO.622**

**34 IN MYSORE-CHAMRAJNAGAR FOR BRIDGE.NO.798B.
2X6.1M, DEISGN REINFORCED CEMENT CONCRETE
SLAB (SKEW)**

**35 IN HARPANAHALLI, DESIGN OF REINFORCED CEMENT
CONCRETE SKEW CONCRETE SKEW SLAB @ CH:26025**

36 BRIDGE.NO.515-SKEW SLAB DESIGN

**37 DESIGN OF SLAB FOR BRIDGE NO 2
IN BANGALORE-MYSORE**

38 DESIGN OF SLAB FOR BRIDGE NO 742

IN BANGALORE-MYSORE

- 39 REINFORCED CEMENT CONCRETE SLAB ADEQUACY FOR BRIDGE.NO.269 IN YESWANTPUR-ARSEKERE**
- 40 REINFORCED CEMENT CONCRETE SLAB ADEQUACY FOR BRIDGE.NO.272 IN YESWANTPUR-ARSEKERE**
- 41 CHECKING ADEQUACY FOR REINFORCED CEMENT CONCRETE SLAB & STABILITY FOR, BRIDGE.NO 457 IN BANGALORE-DHARMAVARAM,**
- 42 SPEED RESTRICTION CALCULATIONS DONE FOR BRIDGE.NO.62 NEAR CHANNAPATNA TANK VALLEY IN BANGALORE-MYSORE.**
- 43 REINFORCED CEMENT CONCRETE SLAB DESIGN FOR BRIDGES AT KOTTUR- HARIHAR TO HML 1995 LOADING**
- 44 DESIGN OF STRESS RELIEVING SLAB FOR BRIDGE NO 159 IN ARSEKERE-DEVANUR**
- 45 DESIGN OF STRESS RELIEVING SLAB FOR BRIDGE NO 169 IN ARSEKERE-DEVANUR**

**46 DESIGN OF STRESS RELIEVING SLAB FOR
BRIDGE NO 184 IN ARSEKERE-DEVANUR**

**47 DESIGN OF STRESS RELIEVING SLAB FOR
BRIDGE NO 188 IN ARSEKERE-DEVANUR**

**48 PROVIDING APPROACH SLABS TO RELIEVE
SUR CHARGE EARTH PRESSURE FOR BRIDGE.NO.519,**

**49 PROVIDING APPROACH SLABS TO
RELIEVE SUR CHARGE EARTH PRESSURE
FOR BRIDGE.NO.529**

**50 PROVIDING APPROACH SLABS TO
RELIEVE SUR CHARGE EARTH PRESSURE
FOR BRIDGE.NO.622**

**51 ADEQUACY OF SLAB CHECKED FOR BRIDGE.NOS 63
TO DRAWING.NO.BA566 IN CHIKJAJUR-HARIHAR SLAB**

**52 MINOR BRIDGES ADEQUACY OF PRESTRESSED
CONCRETE SKEW SLAB AT CH:28250**

53 MINOR BRIDGE, ADEQUACY OF REINFORCED CEMENT CONCRETE SLAB @CH:7348

**14. DESIGN/VERIFICATIONS OF REINFORCED CEMENT CONCRETE SINGLE/TWIN BOXES FOR STRAIGHT AND CURVED TRACKS WITH VARYING FILL (1988-2024) ---
185 DESIGNS**

1 SINGLE VENT BOX CULVERT-CHECKED-ARITHMETIC

**2 BRIDGE NO.169@ CHINGLEPET JUNCTION YARD) -
DESIGN OF REINFORCED CEMENT CONCRETE BOX
(1X3.05M SPAN) WITH TOP SLAB =400 MM THICK.**

**3 DESIGNING OF REINFORCED CEMENT CONCRETE
BOXES FOR BRIDGE.NOS.651 IN BANGALORE-MYSORE**

**4 DESIGNING OF REINFORCED CEMENT CONCRETE
BOXES FOR BRIDGE.NOS.537-A IN BANGALORE-MYSORE**

**5 DESIGNING OF REINFORCED CEMENT CONCRETE
BOXES FOR BRIDGE.NOS.425 IN BANGALORE-MYSORE**

**6 DESIGNING OF REINFORCED CEMENT CONCRETE
BOXES FOR BRIDGE.NOS.442 IN BANGALORE-MYSORE**

**7 CHECKING THE REINFORCED CEMENT CONCRETE
BOXES FOR BRIDGE.NOS.750-A IN BANGALORE-MYSORE**

**8 CHECKING THE REINFORCED CEMENT CONCRETE
BOXES FOR BRIDGE.NOS.48, IN BANGALORE-MYSORE**

**9 DESIGN/CHECKING OF REINFORCED CEMENT
CONCRETE BOXES-BRIDGE.NOS 384 IN BANGALORE-
ARSEKERE**

**10 DESIGN/CHECKING OF REINFORCED CEMENT
CONCRETE BOXES-BRIDGE.NOS 524 IN BANGALORE-
ARSEKERE,**

**11 DESIGN/CHECKING OF REINFORCED CEMENT
CONCRETE BOXES BRIDGE.NOS.4 IN CHIKJAJUR-
CHITRADURG**

**12 DESIGN/CHECKING OF REINFORCED CEMENT
CONCRETE BOXES BRIDGE.NOS.6 IN CHIKJAJUR-
CHITRADURG**

**13 DESIGN/CHECKING OF REINFORCED CEMENT
CONCRETE BOXES BRIDGE.NOS.21 IN CHIKJAJUR-
CHITRADURG,**

**14 DESIGN/CHECKING OF REINFORCED CEMENT
CONCRETE BOXES BRIDGE.NO.818 IN WHITEFIELD-
KUPPAM.**

**15 DESIGN/CHECKING OF REINFORCED CEMENT
CONCRETE BOXES BRIDGE.NO.35 IN CHIKJAJUR-
CHITRADURG**

**16 DESIGN REINFORCED CEMENT CONCRETE BOXES,
BRIDGE.NOS.818 IN WHITEFIELD-KUPPAM.**

**17 DESIGN REINFORCED CEMENT CONCRETE BOXES,
BRIDGE.NOS.806 IN WHITEFIELD-KUPPAM.**

**18 DESIGN REINFORCED CEMENT CONCRETE BOXES,
BRIDGE.NOS.815 IN WHITEFIELD-KUPPAM.**

**19 DESIGN OF REINFORCED CEMENT CONCRETE BOXES,
FOR BRIDGE.NO.168**

**20 DESIGN OF REINFORCED CEMENT CONCRETE BOXES
FOR BRIDGE.NO.76,**

**21 DESIGN OF REINFORCED CEMENT CONCRETE BOXES,
FOR BRIDGE.NO 157**

**22 DESIGN OF REINFORCED CEMENT CONCRETE BOX
& FIN FOR BRIDGE.NO.23**

**23 IN WFD-KPN, REINFORCED CEMENT CONCRETE -BOX
FOR BRIDGE.NO.871.**

**24 REINFORCED CEMENT CONCRETE-BOX DRAWING
ISSUED TO BRIDGE.NO.20 OF HASSAN-ARSEKERE**

**25 REINFORCED CEMENT CONCRETE BOX: - DESIGNING
SINGLE BOXES FOR BRIDGE.NO,6**

**26 REINFORCED CEMENT CONCRETE BOX: - DESIGNING
SINGLE BOXES FOR BRIDGE.NO,255**

**27 REINFORCED CEMENT CONCRETE BOX: - DESIGNING
SINGLE BOXES FOR BRIDGE.NO 66**

**28 REINFORCED CEMENT CONCRETE BOX: - DESIGNING
SINGLE BOXES FOR BRIDGE.NO,2**

**29 REINFORCED CEMENT CONCRETE BOX: - DESIGNING
FOR BRIDGE.NO 94(TWIN BOX) IN HASSAN-
MYSORE SECTION**

**30 REINFORCED CEMENT CONCRETE BOX: - DESIGNING
FOR BRIDGE.NO.2 IN HASSAN-MANGALORE.**

**31 CHECKING BOXES FOR BRIDGE.NOS 1
IN SHORANUR-MANGALORE**

**32 CHECKING BOXES FOR BRIDGE.NO 1267
IN SHORANUR-MANGALORE**

**33 CHECKING BOXES FOR BRIDGE.NO 1268
IN SHORANUR-MANGALORE**

**34 CHECKING BOXES FOR BRIDGE.NO 1289
IN SHORANUR-MANGALORE**

**35 CHECKING BOXES FOR BRIDGE.NO 1270
IN SHORANUR-MANGALORE**

**36 CHECKING BOXES FOR BRIDGE.NO1272
IN SHORANUR-MANGALORE**

**37 CHECKING BOXES FOR BRIDGE.NO 119
IN HASSAN-HOLENARSHIPUR**

**38 CHECKING BOXES FOR BRIDGE.NO 166
IN KOLAR-BANGARAPET**

**39 CHECKING BOXES FOR BRIDGE.NO ,161
IN KOLAR-BANGARAPET**

**40 DESIGN OF RCC BOXE, BRIDGE.NO.684 IN
HASSAN-MANGALORE.**

**41 VAX CONSULTANTS' DESIGNS FOR RCC BOXES
IN HAS-MYS (50 NOS)**

**42 DESIGN OF REINFORCED CEMENT CONCRETE BOXES,
BRIDGE.NOS.1248 IN HAS-MAQ**

**43 DESIGN OF REINFORCED CEMENT CONCRETE BOXES,
BRIDGE.NO. 1256 IN HAS-MAQ**

**44 DESIGN OF REINFORCED CEMENT CONCRETE BOXES,
BRIDGE.NO. 1264 IN HAS-MAQ**

**45 DESIGN OF REINFORCED CEMENT CONCRETE BOXES,
BRIDGE.NO. 535 IN SA-SBC**

**46 DESIGN OF REINFORCED CEMENT CONCRETE BOXES
, RCC BOXES FOR BR. NOS 114 @ HOLENARSHIPUR
YARD**

**47 DESIGN OF REINFORCED CEMENT CONCRETE BOXES,
RCC BOXES FOR BR. NO 116 @ HOLENARSHIPUR YARD**

**48 DESIGN OF REINFORCED CEMENT CONCRETE BOXES,
RCC BOXES FOR BR. NOS 1282 @ HASSAN-MANGALORE**

**49 DESIGN OF REINFORCED CEMENT CONCRETE BOXES,
RCC BOXES FOR BR. NO 1250 @ HASSAN-MANGALORE**

**50 DESIGN OF REINFORCED CEMENT CONCRETE BOXES,
RCC BOXES FOR BR. NO1251 @ HASSAN-MANGALORE**

51 DESIGN OF REINFORCED CEMENT CONCRETE BOXES,

**RCC BOXES FOR BR. NO@CH 51897.5 IN
DHARAMAVARAM-PENEKONDA**

**52 DESIGN OF REINFORCED CEMENT CONCRETE BOXES,
RCC BOXES @CSB/KJM, 1X10.5 SPAN @
MYSORE-CHAMRAJ NAGAR**

**53 DESIGN OF REINFORCED CEMENT CONCRETE BOXES,
RCC BOXES, @CH:8188 KADUR-CHIKMAGALUR,**

**54 DESIGN OF REINFORCED CEMENT CONCRETE BOXES,
RCC BOXES FOR BRIDGE NOS 728(SKEW) @
WHITEFIELD-KUPPAM**

**55 DESIGN OF REINFORCED CEMENT CONCRETE BOXES,
RCC BOXES FOR BRIDGE NO 732(SKEW) @
WHITEFIELD-KUPPAM**

**56 DESIGN OF REINFORCED CEMENT CONCRETE BOXES,
RCC BOXES FOR BRIDGE NO 754 @WHITEFIELD-
KUPPAM**

57 DESIGN OF REINFORCED CEMENT CONCRETE BOXES,

RCC BOXES FOR BRIDGE NO 756 @WHITEFIELD-KUPPAM

**58 DESIGN OF REINFORCED CEMENT CONCRETE BOXES,
RCC BOXES FOR BRIDGE NO 755 @WHITEFIELD-KUPPAM**

**59 DESIGN OF REINFORCED CEMENT CONCRETE BOXES,
RCC BOXES FOR BRIDGE NO 722 @WHITEFIELD-KUPPAM**

**60 DESIGN OF REINFORCED CEMENT CONCRETE. BOXES,
RCC BOXES FOR BRIDGE NO 723 @WHITEFIELD-KUPPAM**

**61 DESIGN OF REINFORCED CEMENT CONCRETE BOXES,
RCC BOXES FOR BRIDGE NO 744 @WHITEFIELD-KUPPAM**

**62 DESIGN OF REINFORCED CEMENT CONCRETE BOXES,
RCC BOXES FOR BRIDGE NO 80 @YESWANTPUR-TUMKUR**

**63 DESIGN OF REINFORCED CEMENT CONCRETE BOXES,
RCC BOX FOR BRIDGE NO 394 @ YESWANTPUR-TUMKUR**

**64 DESIGN OF REINFORCED CEMENT CONCRETE BOXES,
RCC BOX FOR BRIDGE NO 397@ YESWANTPUR-TUMKUR**

**65 DESIGN OF REINFORCED CEMENT CONCRETE BOXES,
RCC BOX FOR BRIDGE NO 399 @ YESWANTPUR-
TUMKUR**

**66 DESIGN OF REINFORCED CEMENT CONCRETE BOXES,
RCC BOX FOR BRIDGE NO 398, @ YESWANTPUR-
TUMKUR**

**67 DESIGN OF REINFORCED CEMENT CONCRETE BOXES,
RCC BOXES FOR BR. NOS @CH: 133680 IN
BANGALORE-HASSAN (NEW LINE),**

**68 DESIGN OF REINFORCED CEMENT CONCRETE BOXES,
RCC BOXES FOR BR. NOS @CH: 133014 IN
BANGALORE-HASSAN (NEW LINE),**

**69 DESIGN OF REINFORCED CEMENT CONCRETE BOXES,
RCC BOXES FOR BR. NOS @CH: 148575 IN
BANGALORE-HASSAN (NEW LINE),**

**70 DESIGN OF REINFORCED CEMENT CONCRETE BOXES,
RCC TWIN BOX 393 IN YESWANTPUR-TUMKUR**

**71 DESIGN OF REINFORCED CEMENT CONCRETE BOXES,
RCC TWIN BOX FOR BRIDGE. NO 517 IN YELKANAKA**

**72 DESIGN OF REINFORCED CEMENT CONCRETE BOXES,
RCC TWIN BOX FOR BRIDGE.NO. 447 (DOUBLE DECK)
IN BANGALORE-KENGERI,**

**73 DESIGN OF REINFORCED CEMENT CONCRETE BOXES,
R.C.C.BOX CULVERTS (WATER WAY BRIDGES)**

**74 DOUBLE DECK BR.NO.447, (KENGERI-RAMANAGARAM)-
APPROVAL OF DESIGNS & DRAWINGS,**

**75 DESIGN OF REINFORCED CEMENT CONCRETE BRIDGE.
NO.467-TWIN BOX**

**76 DESIGN OF REINFORCED CEMENT CONCRETE BRIDGE.
NO.471,(SINGLE BOX)**

**77 DESIGN OF TWIN BOX @ CH : 11421,(KENGERI-
RAMANAGARAM), REINFORCED CEMENT CONCRETE**

**78 DESIGN OF BOX @ KM 180/575 KANKANADI-
PARANGIPET IN HASSAN-MANGALORE**

**79 AT CH:1278805 REINFORCED CEMENT CONCRETE
BOX DESIGN**

**80 AT CH:133680 REINFORCED CEMENT CONCRETE
BOX DESIGN**

**81 AT CH: 135165 REINFORCED CEMENT CONCRETE
BOX DESIGN**

**82 AT CH:12654 DESIGN OF REINFORCED CEMENT
CONCRETE SYPHON BOXES @
HASSAN-BANGALORE**

**83 AT CH:124986 DESIGN OF SYPHON BOXES @
HASSAN-BANGALORE**

**84 DESIGN OF REINFORCED CEMENT CONCRETE BOX
CULVERT (ROAD WAY BRIDGES) .@ CH :0/625 (RCC
BOX)**

**85 REPLACING BY REINFORCED CEMENT CONCRETE
BOX / SLABS BR.NO.506, DESIGN OF BOX**

**86 REPLACING BY REINFORCED CEMENT CONCRETE
BOX / SLABS BR.NO.529 DESIGN OF BOX**

**87 REPLACING BY REINFORCED CEMENT CONCRETE
BOX /. SLABS BR.NO.550, DESIGN OF BOX**

**88 REPLACING BY REINFORCED CEMENT CONCRETE
BOX /SLABS, BR.NO.556, DESIGN OF BOX**

**89 REPLACING BY REINFORCED CEMENT CONCRETE
DESIGN OF BOX**

**90 REPLACING BY REINFORCED CEMENT CONCRETE
BOX / SLABS, BR.NO.606 DESIGN OF BOX**

**91 REPLACING BY REINFORCED CEMENT CONCRETE
BOX / SLABS, BR.NO.622, DESIGN OF BOX**

**92 REPLACING BY REINFORCED CEMENT CONCRETE.
BOX / SLABS, BR.NO.667, DESIGN OF BOX**

**93 REPLACING BY REINFORCED CEMENT CONCRETE
BOX / SLABS, BR.NO.662, DESIGN OF BOX**

**94 PROPOSED CONSTRUCTION OF RUB 1X9X35
REINFORCED CEMENT CONCRETE BOX AT KM.94/14-
95/1 IN LIEU OF EXISTING LC.NO. 74 BETWEEN MANDYA
AND YELIYUR STATIONS RCC DETAILS OF BOX.
(6.8.04).**

**95 PROPOSED CONSTRUCTION OF RUB AT KM.4/6-7
IN MYSORE-BELAGULAA STATIONS. PROPOSED
BOX OF SPAN 12X5.5M.**

**96 PROPOSED DOUBLING OF TRACK BETWEEN
YESWANTPUR-TUMKURPROPOSED CONSTRUCTION
OF RUB SPAN 1X10.5M REINFORCED CEMENT
CONCRETE BOX AT KM.26/5-6 CH.26505 IN
GULLAHALLIY YARD**

**97 YESWANTPUR-TUMKUR 11X10.5M REINFORCED
CEMENT. CONCRETE - BOX AT CH.26505 KM.20/5-6 -
GOLLAHALLI YARD. (REVISION)**

**98 BANGALORE-DHARMAVARAM STATION - RUB AT LC.
NO.58 AT KM.99/600- 700 TWIN BOX - 2X9.3M.**

99 BRIDGE .NO 845- BOX CULVERT DESIGN

**100 RUB @ ASHOK PURAM (JAYA NAGAR) DESIGN
OF RCC BOX**

**101 RUB @ LC NO:385-BELAGUM DESIGN OF REINFORCED
CEMENT CONCRETE BOX**

**102 RUB @ LC NO:19-BOX PUSHING RITES DESIGN
OF REINFORCED CEMENT CONCRETE BOX**

**103 UNDERPASS LC 74 MANDYA DESIGN OF REINFORCED
CEMENT CONCRETE BOX**

**104 BANGALORE-JOLARPET BR.NO.845-BOX PUSHING -
FIRST & SECOND VENT DESIGN OF REINFORCED
CEMENT CONCRETE BOX**

**105 REINFORCED CEMENT CONCRETE BOX IN KADUR-
CHIKMAGALUR DESIGN OF BOX**

**106 REINFORCED CEMENT CONCRETE BOX AT KM 59/560-
KOLAR-CHIKBALAPUR -VERIFICATION AND**

DESIGN OF BOX

- 107 BOX PUSSHING -FRAZER TOWN -BANGALORE EAST-
BYAPPANAHALLIL- VERIFCATION OF STUP
CONSULTANT DESIGN**
- 108 REINFORCED CEMENT CONCRETE TWIN BOX FOE
V =30,130,160 KMPH NAVALUR YARD-ST DRAWING
RDSO -VERIFICATION**
- 109 KANKANADI-FARANGIPET-RUB-GAD BR/192-07-
REINFORCED CEMENT CONCRETE BOX
PROPOSAL DESIGN**
- 110 RUB-BOX: 92E (ST/91-2023).@ KUSHTAIG YARD-GDG-
WADI, DESIGN OF REINFORCED CEMENT CONCRETE
BOX**
- 111 RUB WITH SKEW AND CURVE @ MARIKUPPAM –
KUPPAM. VERIFCATION OF BOX DESIGN**
- 112 REINFORCED CEMENT CONCRETE BOX AT
YETTINEHOLE. (VJNL) VERIFCATION OF BOX DESIGN**

**113 CHECKING REINFORCED CEMENT CONCRETE BOX
DESIGN FOR BRIDGE 423 @ BANGALORE**

**114 DESIGN OF REINFORCED CEMENT CONCRETE TWIN
BOX -RAMP AND STAIRS AT BYPL -3RD TERMINAL
(ST/49-2017, ST/140-2017, ST/144-2017) IN
JOLARPET-BYAPPANAHALLI-BANGALORE SECTION**

**115 DESIGN OF PRECAST REINFORCED CEMENT CONCRETE
BOX (1 X 9 X 5.5 M) AT DEVERAPALLY YARD
(ST/173-2017) FOR BR 302-A**

**116 DESIGN OF REINFORCED CEMENT CONCRETE TWIN
BOX FOR BRIDGE 419 IN YELAKANAKA-PENEKONDA
VIDE DRAWING ST/280-2016**

**117 DESIGN OF REINFORCED CEMENT CONCRETE TWIN
BOX AT BYAPPANAHALLI 3RD TERMINAL VIDE DRG
ST/49-2017**

**118 DESIGN OF REINFORCED CEMENT CONCRETE SINGLE
BOX -SKEW VIDE DRG ST/43-2016**

119 DESIGN OF REINFORCED CEMENT CONCRETE TWIN

BOXES OF SPANS 6.6 M, FILL VARYING FROM 0.0 M TO 1.0 M AND HEIGHT VARYING FROM 2 M TO 6M FOR DEGREE OF CURVE 0 TO 10 DEGREE AND FOR STRAIGHT ALIGNMENT TO 25 TON 2008 LOADING VIDE DRAWING NO ST/55-2016 AND DRG NO ST/32-2016 (36 DESIGNS FOR CURVED ALIGNMENT AND 36 DESIGNS FOR STRAIGHT ALIGNMENT)

120 NON-STANDARD TWIN BOX DESIGN FOR 6.5 M SPAN VARYING HEIGHT AND CUSHION-36 MODELS DESIGNED ST/32-2016

121 DESIGN OF REINFORCED CEMENT CONCRETE BOX ATTENDING THE WORKS PERTAINING TO RCC SKEW BOX 58 DEGREE IN BAGALKOT-KUDACHI

122 DESIGN OF REINFORCED CEMENT CONCRETE TWIN BOX @ CH:89710 IN HASSAN-BANGALORE

123 REINFORCED CEMENT CONCRETE BOX ADEQUACY FOR BRIDGE 398 IN NEELAMAGALA AND CHIKBANAVAR SECTION -VERIFIED

124 REINFORCED CEMENT CONCRETE BOX ADEQUACY FOR BRIDGE 08 IN NEELAMAGALA AND CHIKBANAVAR SECTION -VERIFIED

**125 REINFORCED CEMENT CONCRETE BOX ADEQUACY
FOR BRIDGE 14 IN NEELAMAGALA AND
CHIKBANAVAR SECTION -VERIFIED**

**126 REINFORCED CEMENT CONCRETE BOX ADEQUACY
FOR BRIDGE 12 IN NEELAMAGALA AND
CHIKBANAVAR SECTION -VERIFIED**

**127 REINFORCED CEMENT CONCRETE BOX ADEQUACY
FOR BRIDGE 11 IN NEELAMAGALA AND
CHIKBANAVAR SECTION -VERIFIED**

**128 REINFORCED CEMENT CONCRETE BOX ADEQUACY
FOR BRIDGE 399 IN NEELAMAGALA AND
CHIKBANAVAR SECTION -VERIFIED**

**129 REINFORCED CEMENT CONCRETE BOX ADEQUACY
FOR BRIDGE 391 IN NEELAMAGALA AND
CHIKBANAVAR SECTION -VERIFIED**

**130 REINFORCED CEMENT CONCRETE BOX ADEQUACY
FOR BRIDGE 10 IN NEELAMAGALA AND
CHIKBANAVAR SECTION -VERIFIED**

**131 DESIGN OF REINFORCED CEMENT CONCRETE BOX
RUB AT BRIDGE NO 42 IN UBBALLI-ANKOLA**

**132 DESIGN OF REINFORCED CEMENT CONCRETE BOX
RUB AT BRIDGE NO 47 IN UBBALLI-ANKOLA**

**133 DESIGN OF REINFORCED CEMENT CONCRETE.
BOX DESIGN OF RCC BOX**

**134 DESIGN OF REINFORCED CEMENT CONCRETE BOX
AT UBL YARD**

**135 DESIGN OF REINFORCED CEMENT CONCRETE BOX AT
HARA PANAHALLI KM 66/600**

**136 DESIGN OF SKEW BOX CULVERT FOR MBG HML DFC
LOADING/IRC 70R WITH SKEW 40 DEGREE TO 50
DEGREES FOR 2 TRACKS & 4 TRACKS WITH VC OF
8.14M AND 6.525 M (240 DESIGNS)**

**137 SKETCH SHOWING THE PROPOSED LOCATION AND
ALIGNMENT OF CHAMBERBOX FOR EXISTING
SEWER PIPE LINES NEAR MECHANISED LAUNDARY**

**AT HUBLI YARD-DESIGN OF REINFORCED
CEMENT CONCRETE BOX**

**138 BOX DETAILS OF RETAINING WALL OVER REINFORCED
CEMENT CONCRETE BOX AT HUBLI YARD-DESIGN**

**139 STANDARD DRAWING FOR PROPOSED 1X7.5X5.150M
CAST IN SITU RCC BOX WITH 0 TO 1000MM FILL
BALLAST CUSHION OF 350MM DESIGN OF
REINFORCED CEMENT CONCRETE BOX**

**140 STANDARD DRAWING FOR PROPOSED 1X5.5X5.5M
REINFORCEMENT DETAILS FOR STRAIGHT TRACK
UNDER 25TON LOADING 2008 WITH 0 TO 1000M FILL
WITH BALLAST CUSHION OF 350MM DESIGN OF
REINFORCED CEMENT CONCRETE BOX**

**141 STANDARD DRAWING FOR PROPOSED 1X5.5X5.5M
REINFORCEMENT DETAILS FOR CURVED TRACK
UNDER 25TON LOADING 2008 WITH 0 TO 1000M FILL
WITH BALLAST CUSHION OF 350MM DESIGN OF
REINFORCED CEMENT CONCRETE BOX**

**142 STANDARD DRAWING FOR PROPOSED 1X7.5X5.150M
CAST IN SITU RCC BOX WITH 0 TO 1000M FILL WITH
BALLAST CUSHION OF 350MM (STRAIGHT TRACK)**

**FILE NO 1450 DESIGN OF REINFORCED CEMENT
CONCRETE BOX**

- 143 STANDARD DRAWING FOR RUB OF SIZE 7.5X3.0M
WITH 0 TO 1000MM FILL WITH BALLAST CUSHION
OF 350 (SEGMENTAL TYPE) DESIGN OF REINFORCED
CEMENT CONCRETE BOX**
- 144 DESIGN OF \PROPOSED RUB 1X7.50X5.50M REINFORCED
CEMENT CONCRETE BOX AT KM: 1/720 BETWEEN
MARIKUPPAM AND WITH 0 TO 1000MM FILL**
- 145 GAD VERIFICATION FOR-YEJJALA-BOX PUSHING,
KENGRI-RAMANAGARAM**
- 146 DESIGN OF REINFORCED CEMENT CONCRETE BOX
RUB: 92E (ST/91-2023).@ KUSHTAIG YARD-GADAG-WADI,**
- 147 DESIGN OF REINFORCED CEMENT CONCRETE BOX
RUB WITH SKEW AND CURVE@ MARIKUPPAM-
KUPPAM.**
- 148 DESIGN OF REINFORCED CEMENT CONCRETE TWIN
BOX @ CH:89710 IN HASSAN-BANGALORE**

**149 DESIGN OF REINFORCED CEMENT CONCRETE BOX
FOUNDATION PRESSURE FOR 30 BRIDGES
.IN YESWANTPUR-TUMKUR ARE GIVEN**

**150 DESIGN OF REINFORCED CEMENT CONCRETE
BOX FOUNDATION PRESSURE FOR 25 BRISGES IN
BIDIDI-RAMANAGARAM SECTION ARE GIVEN**

**151 DESIGN OF REINFORCED CEMENT CONCRETE SKEW
BOX AT LC NO 3 @ HASSAN-SAKLESHPUR**

**152 VERIFICATION OF NDT RESULTS FOR REINFORCED
CEMENT CONCRETE BOX AT LC NO. 27**

**153 CHITRADURG-RAYADURG, FOR BRIDGE.
NO.9 REINFORCED CEMENT CONCRETE BOX,**

**154 IN BANAGALORE-ARSEKERE, FOR BRIDGE.
NO.247-REINFORCED CEMENT CONCRETE-BOX,**

**155 BASE PRESSURE LOAD CALCULATIONS FOR BRIDGES
IN BANGARAPET-KUPPAM SECTION. BRIDGE.NO.753**

156 BASE PRESSURE LOAD CALCULATIONS FOR BRIDGES

IN BANGARAPET-KUPPAM SECTION. BRIDGE.NO.736

**157 BASE PRESSURE LOAD CALCULATIONS FOR BRIDGES
IN BANGARAPET-KUPPAM SECTION. BRIDGE.NO.74**

**158 BASE PRESSURE LOAD CALCULATIONS FOR BRIDGES
IN BANGARAPET-KUPPAM SECTION. BRIDGE.NO.67**

**159 BASE PRESSURE LOAD CALCULATIONS FOR BRIDGES
IN BANGARAPET-KUPPAM SECTION. BRIDGE.NO.48**

**160 BASE PRESSURE LOAD CALCULATIONS FOR BRIDGES
IN BANGARAPET-KUPPAM SECTION. BRIDGE.NO.710**

**161 IN MYSORE-CHAMRAJNAGAR-RUB-730A TROUGH
GIRDER -VERIFICATIONS AND CLARIFICATIONS FROM
DYCE/CN/MYS-CMNR/BR/773A DT 28-05-2007**

**162 BOX PUSSHING -FRAZER TOWN -BANGALORE EAST-
BYAPPANAHALLI-VERIFCATION OF STUP CONSULTANT
DESIGN**

**163 CHECKING DESIGNS OF VAX CONSUTANT FOR
REINFORCED CEMENT CONCRETE BOX . CULVERT**

62 IN HASSAN-MYSORE

**164 CHECKING DESIGNS OF VAX CONSUTANT FOR
REINFORCED CEMENT CONCRETE BOX CULVERT
60 IN HASSAN-MYSORE**

**165 FOR REINFORCED CEMENT CONCRETE BOX FOR
BRIDGE.NO 1256 IN HASSAN- MANGALORE.**

**166 FOR REINFORCED CEMENT CONCRETE BOXE FOR
BRIDGE.NO 2(REVISED) IN HASSAN- MANGALORE.**

**167 FOR REINFORCED CEMENT CONCRETE BOXE FOR
BRIDGE.NO 1253 IN HASSAN- MANGALORE.**

**168 REINFORCED CEMENT CONCRETE TWIN BOX FOR
BRIDGE.NO .393 IN YESWANTPUR-TUMKUR**

169 TWIN BOX FOR BRIDGE.NO 758 @WHITEFIELD,

**170 TWIN BOX FOR BRIDGE.NO.150/573 IN
BANGALORE-HASSAN**

171 REINFORCED CEMENT CONCRETE BOXES @ KADUR,

172 FOR BRIDGE.NO 781 @ WHITEFIELD-KUPPAM

173 FOR BRIDGE.NO 782@ WHITEFIELD-KUPPAM

174 FOR BRIDGE.NO.1246 @ SHORANUR-MANGALORE.

175 FOR BRIDGE NO.1256 @ SHORANUR-MANGALORE.

**176 REINFORCED CEMENT CONCRETE BOX AND FOOT
PATH SLAB WITH CONNECTIONS TO BOTTOM SLAB, IN
LIEU OF EXISTING, LC.NO.2 IN MYSORE-
CHAMRAJNAGAR**

**177 REINFORCED CEMENT CONCRETE BOX @ L. C.NO.110
IN MYSORE-CHAMRAJNAGAR**

**178 DESIGN OF REINFORCED CEMENT CONCRETE BOX
PUSHING FOR BRIDGE IN YESWANTPUR-TUMKUR
(CONSULTANT DESIGN)-VERIFIED.**

**179 REVIEWING THE BOX DESIGNS FOR BRIDGE.NO.397
IN YESWANTPUR-TUMKUR (SWAY IN ASSOCIATES)**

**180 REVIEWING THE BOX DESIGNS FOR BRIDGE.NO.398
IN YESWANTPUR-TUMKUR (SWAY IN ASSOCIATES)**

**181 REVIEWING THE BOX DESIGNS FOR BRIDGE.NO.399
IN YESWANTPUR-TUMKUR (SWAY IN ASSOCIATES)**

**182 REVIEWING THE BOX DESIGNS FOR BRIDGE.NO.400
IN YESWANTPUR-TUMKUR (SWAY IN ASSOCIATES)**

**183 REVIEWING THE BOX DESIGNS FOR BRIDGE.NO.401
IN YESWANTPUR-TUMKUR (SWAY IN ASSOCIATES)**

**184 REVIEWING THE BOX DESIGNS FOR BRIDGE.NO.402
IN YESWANTPUR-TUMKUR (SWAY IN ASSOCIATES)**

**185 REVIEWING THE BOX DESIGNS FOR BRIDGE.NO.404
IN YESWANTPUR-TUMKUR (SWAY IN ASSOCIATES)**

**15. STABILITY ANALYSIS OF GRAVITY STRUCTURES-
ABUTMENTS, PIERS, WING WALLS AND RETURN**

**WALLS INCLUDING MODIFICATIONS AND
REVISIONS (1988-2024) --- 188 DESIGNS**

- 1 STABILITY, FOR ROB.NO AT KM 57/2-3 IN
MYSORE-BANGALORE.**
- 2 STABILITY, OF ABUTMENTS FOR BRIDGE.NO 85
WITH RCC SLAB /PSC SLAB**
- 3 STABILITY, OF ABUTMENTS FOR BRIDGE.NO 120
WITH RCC SLAB /PSC SLAB**
- 4 STABILITY, OF ABUTMENTS FOR BRIDGE.NO 95
WITH RCC SLAB /PSC SLAB**
- 5 STABILITY, OF ABUTMENTS FOR BRIDGE.NO 99
WITH RCC SLAB /PSC SLAB**
- 6 STABILITY, OF ABUTMENTS FOR BRIDGE.NO 87
WITH RCC SLAB /PSC SLAB**
- 7 STABILITY, OF ABUTMENTS FOR BRIDGE.NO 64
WITH RCC SLAB /PSC SLAB**

**8 STABILITY, OF ABUTMENTS FOR BRIDGE.NO 110
WITH RCC SLAB /PSC SLAB**

**9 STABILITY, OF ABUTMENTS FOR BRIDGE.NO 76
WITH RCC SLAB /PSC SLAB**

**10 STABILITY, OF ABUTMENTS FOR BRIDGE.NO. 83
WITH RCC SLAB /PSC SLAB**

**11 STABILITY, OF ABUTMENTS FOR BRIDGE.NO121
WITH RCC SLAB /PSC SLAB**

**12 STABILITY, OF ABUTMENTS FOR BRIDGE.NO 301-A
WITH RCC SLAB /PSC SLAB**

**13 STABILITY OF BRIDGE.NO 274 OF STONE SLAB
BRIDGES IN HASSAN-MYSORE**

**14 STABILITY OF BRIDGE.NO 291 OF STONE SLAB
BRIDGES IN HASSAN-MYSORE**

15 STABILITY OF BRIDGE.NO 286 OF STONE SLAB

16 STABILITY OF BRIDGE.NO ,69 TO MG/MBG LOADINGS,

17 STABILITY OF BRIDGE NO 67 TO MG/MBG LOADINGS

18 STABILITY OF BRIDGE .NO 68 TO MG/MBG LOADINGS

19 STABILITY OF BRIDGE NO 78 TO MG/MBG LOADINGS

20 STABILITY OF BRIDGE .NO 77 TO MG/MBG LOADINGS

**21 STABILITY, OF BRIDGE .NO 109 TO WDM2 IN HASSAN-
HOLENARSHIPUR**

**22 STABILITY, OF BRIDGE. NOS 86 OF RCC SLAB /PSC
SLAB BRIDGES IN MYSORE-ARSEKERE**

**23 STABILITY, OF BRIDGE.NOS 87 OF RCC SLAB /PSC
SLAB BRIDGES IN MYSORE-ARSEKERE**

**24 STABILITY, OF BRIDGE.NOS 70 OF RCC SLAB /PSC
SLAB BRIDGES IN MYSORE-ARSEKERE**

**25 STABILITY, OF BRIDGE. NOS 96 OF RCC SLAB /PSC
SLAB BRIDGES IN MYSORE-ARSEKERE**

**26 STABILITY, OF BRIDGE. NOS 85 OF RCC SLAB /PSC
SLAB BRIDGES IN MYSORE-ARSEKERE**

**27 STABILITY, OF BRIDGE .NO 95 OF RCC SLAB /PSC
SLAB BRIDGES IN MYSORE-ARSEKERE**

**28 STABILITY, OF PIER, FOR BRIDGE.NO.286, IN HASSAN-
MYSORE**

29 STABILITY, OF BRIDGE.NO.III IN HAMAVATHAY,

**30 STABILITY, OF BRIDGE.NO.470 CHANDAPURA IN
SALEM-BANGALORE,**

**31 STABILITY, OF BRIDGE.NO.85 IN MYSORE-ARSEKAER
, CHECKING**

**32 STABILITY OF BRIDGE NO 348, (TRICHY-MANAMADURAI)
PLAN NO BC4142-32 (1X20') FOR RMG LOADING -
DESIGNED.**

**33 STABILITY CALCULATIONS FOR. BRIDGE.NO.
816 IN WHITEFIELD-KUPPAM**

**34 STABILITY OF BRIDGE.NO.192-D IN
. BANGALORE-ARSEKERE**

**35 STABILITY, OF BRIDGE.NO.352-A IN
BANGALORE-ARSEKERE**

**36 STABILITY, OF BRIDGE.NOS.362 IN
BANGALORE-ARSEKERE**

**37 STABILITY, OF BRIDGE.NO.422 IN
BANGALORE-ARSEKERE**

**38 STABILITY, OF BRIDGE.NO.591 IN
BANGALORE-ARSEKERE**

**39 STABILITY, OF BRIDGE.NO.593 IN
BANGALORE-ARSEKERE**

**40 STABILITY, OF BRIDGE.NO.590 IN
BANGALORE-ARSEKERE**

**41 STABILITY, OF BRIDGE.NO.28 IN CHITRADURG-
CHIKJAJUR-RAYADURG**

**42 STABILITY, OF BRIDGE.NOS.33 IN CHITRADURG-
CHIKJAJUR-RAYADURG**

**43 STABILITY, OF BRIDGE.NO.34 IN CHITRADURG-
CHIKJAJUR-RAYADURG**

**44 STABILITY, OFBRIDGE R.NO.140 IN CHITRADURG-
CHIKJAJUR-RAYADURG**

45 STABILITY, OF BRIDGE.NO.574 IN BANGALORE-MYSORE

46 STABILITY, OF BRIDGE.NO.643 IN BANGALORE-MYSORE

47 STABILITY, OF BRIDGE.NO.498 IN BANGALORE-MYSORE

48 STABILITY, OF BRIDGE.NO.637 IN BANGALORE-MYSORE

49 STABILITY, OF BRIDGE.NO.476 IN BANGALORE-MYSORE

**50 STABILITY, OF EDGE BEAM FOR, BRIDGE. NOS TO
SKETCH.NO. /ST/BNC-31-96IN HASSAN-MYSORE,
CHECKED.**

51 STABILITY, FOR BRIDGE.NO.535 IN SALEM-BANGALORE

52 STABILITY FOR BRIDGE.NO 2. HASSAN-MANGALORE

**53 STABILITYOF BRIDGE.NO.CH:7511 IN DHARMAVARAM-
PENEKONDA,**

**54 STABILITY, OF ABUTMENT FOR BRIDGE .NO@ CH:45175
, @ PUTTAPARTHY-PENEKONDA, J.J ASSOCIATES.**

**55 STABILITY OF WING WALLS FOR BRIDGE.NO@ CH:45175
, @ PUTTAPARTHY-PENEKONDA, J.J ASSOCIATES.**

**56 STABILITY OF RETURN WALL FOR BRIDGE.NO CH:45175
, @ PUTTAPARTHY-PENEKONDA, J.J ASSOCIATES.**

**57 STABILITY OF ABUTMENT FOR BRIDGE.NO@CH:45175,
, @ PUTTAPARTHY-PENEKONDA, J.J ASSOCIATES.**

**58 STABILITY,OF WING WALLS FOR BR.NO @ CH:45175 @
PTPY-PKD , J.J ASSOCIATES.**

**59 STABILITY, OF RETURN WALLS FOR BRIDGE .NO @ CH:
45175 @ PUTTAPARTHY-PENEKONDA, J.J ASSOCIATES.**

**60 STABILITY, OF ABUTMENT FOR BRIDGE .NO @ CH:
45175 @ PTPY-PKD, J.J ASSOCIATES.**

**61 STABILITY OF RETURN WALLS FOR BRIDGE .NO @ CH:
45175 @ PUTTAPARTHY-PENEKONDA, J.J ASSOCIATES.**

**62 STABILITY OF WING WALLS FOR BRIDGE .NO @ CH:
45175 @ PUTTAPARTHY-PENEKONDA, J.J ASSOCIATES.**

**63 STABILITY, OF ABUTMENT FOR BRIDGE .NO @ CH:
29702@ PUTTAPARTHY-PENEKONDA, J.J ASSOCIATES.**

**64 STABILITY OF WING WALL FOR BRIDGE.NO @ CH:29702
, @ PUTTAPARTHY-PENEKONDA, J.J ASSOCIATES.**

**65 STABILITY OF RETURN WALL FOR BRIDGE.NO @ CH:
29702@ PUTTAPARTHY-PENEKONDA, J.J ASSOCIATES.**

**66 STABILITY, OF ABUTMENT FOR BRIDGE .NO @ 45950
, @ PUTTAPARTHY-PENEKONDA, J.J ASSOCIATES.**

**67 STABILITY, OF WING WALLS FOR BRIDGE .NO @ 45950
, @ PUTTAPARTHY-PENEKONDA, J.J ASSOCIATES.**

**68 STABILITY OF RETURN WALL FOR BRIDGE.NO @ 45950
, @ PTPY-PKD, J.J ASSOCIATES.**

**69 STABILITY FOR WING WALL @ BANGALORE EAST
STATION**

70 STABILITY, FOR ABUTMENT @ LOTTAGOLLAHALI

**71 STABILITY, FOR BRIDGE .NO 663 @ HASSAN-
MANGALORE**

**72 STABILITY OF ABUTMENT FOR BRIDGE .NO @ CH:4390
IN DHARMAVARAM-PUTTAPARTHY, J.J ASSOCIATES.**

**73 STABILITY OF WING WALLS FOR BRIDGE .NO @ CH:4390
IN DHARMAVARAM-PUTTAPARTHY, J.J ASSOCIATES.**

**74 STABILITY OF RETURN WALLS FOR BRIDGE.NO.@ CH:4390
IN DHARMAVARAM-PUTTAPARTHY, J.J ASSOCIATES.**

**75 STABILITY OF ABUTMENT FOR BRIDGE .NO @ CH: 3529
IN DHARMAVARAM-PUTTAPARTHY, J.J ASSOCIATES.**

76 STABILITY OF WING WALLS FOR BRIDGE .NO @ CH: 3529

IN DHARMAVARAM-PUTTAPARTHY, J.J ASSOCIATES.

**77 STABILITY OF RETURN WALLS FOR BRIDGE .NO @ CH: 3529
IN DHARMAVARAM-PUTTAPARTHY, J.J ASSOCIATES.**

**78 STABILITY ABUTMENT FOR BRIDGE .NO @ CH:6266,
IN DHARMAVARAM-PUTTAPARTHY, J.J ASSOCIATES.**

**79 STABILITY OF WING WALLS FOR BRIDGE .NO @ CH:6266,
IN DHARMAVARAM-PUTTAPARTHY, J.J ASSOCIATES.**

**80 STABILITY OF RETURN WALLS FOR BRIDGE .NO @ CH:6266,
IN DHARMAVARAM-PUTTAPARTHY, J.J ASSOCIATES.**

**81 STABILITY, FOR ABUTMENT A2 OF NETHRAVATHY
BRIDGE.NO1274 (3 NOS-REVISION)**

**82 STABILITY, FOR BRIDGE .NO 1274 @ MANGALORE (PCC
RETURN WALL),**

**83 STABILITY, FOR PCC RETURN WALL @ CH: 29702
IN WORKING STRESS METHOD - 2 REVISIONS
@ PUTTAPARTHY-PENEKONDA**

**84 STABILITY, FOR PCC RETURN WALL @ CH: 45950
IN WORKING STRESS METHOD - 2 REVISIONS @
PUTTAPARTHY-PENEKONDA**

**85 STABILITY, FOR PCC RETURN WALL @ CH: 45175
IN WORKING STRESS METHOD -2 REVISIONS.@
PUTTAPARTHY-PENEKONDA**

**86 STABILITY, OF PCC ABUTMENTS FOR MAJOR
BRIDGE @ CH: 29702 IN WORKING STRESS
METHOD -2 REVISIONS @ PUTTAPARTHY-PENEKONDA**

**87 STABILITY, OF PCC WING WALLS FOR MAJOR
BRIDGE @ CH: 29702 IN WORKING STRESS
METHOD -2 REVISIONS @ PUTTAPARTHY-PENEKONDA**

**88 STABILITY, OF PCC ABUTMENTS FOR MAJOR
BRIDGE @ CH: 45950 IN WORKING STRESS
METHOD & 2 REVISIONS @ PUTTAPARTHY-PENEKONDA**

**89 STABILITY, OF PCC WING WALLS FOR MAJOR
BRIDGE @ CH: 45950 IN WORKING STRESS
METHOD & 2 REVISIONS @PUTTAPARTHY-PENEKONDA**

**90 STABILITY, OF PCC ABUTMENTS FOR MAJOR
BRIDGE @ CH:45175 IN WORKING STRESS
METHOD -2 REVISIONS @ PUTTAPARTHY-PENEKONDA**

**91 STABILITY, OF PCC WING WALLS FOR MAJOR
BRIDGE @ CH:45175 IN WORKING STRESS
METHOD -2 REVISIONS @ PUTTAPARTHY-PENEKONDA**

**92 STABILITY, FOR PCC RETURN WALL @ CH: 29702
IN LIMIT STATE - 2 REVISIONS @ PUTTAPARTHY-PENEKONDA**

**93 STABILITY, FOR PCC RETURN WALL @ CH: 45950
IN LIMIT STATE - 2 REVISIONS @ PUTTAPARTHY-PENEKONDA**

**94 STABILITY, FOR PCC RETURN WALL @CH: 45175
IN LIMIT STATE -2 REVISIONS @ PUTTAPARTHY-PENEKONDA**

**95 STABILITY, OF PCC ABUTMENTS FOR MAJOR
BRIDGE @ CH: 29702 IN LIMIT STATE - 2
REVISIONS @ PUTTAPARTHY-PENEKONDA**

**96 STABILITY, OF PCC WING WALLS FOR MAJOR
BRIDGE @ CH: 29702 IN LIMIT STATE- 2
REVISIONS @ PUTTAPARTHY-PENEKONDA**

**97 STABILITY, OF PCC WING WALLS FOR MAJOR
BRIDGE @ CH: 45950 IN LIMIT STATE & 2
REVISIONS @ PUTTAPARTHY-PENEKONDA**

**98 STABILITY, OF PCC ABUTMENTS FOR MAJOR
BRIDGES @ CH: 45950 IN LIMIT STATE & 2
REVISIONS @ PUTTAPARTHY-PENEKONDA**

**99 STABILITY, OF PCC ABUTMENTS FOR MAJOR
BRIDGE @ CH:45175 IN LIMIT STATE -2
REVISIONS @ PUTTAPARTHY-PENEKONDA**

**100 STABILITY, OF PCC WING WALLS FOR MAJOR
BRIDGE @ CH:45175 IN LIMIT STATE-2
REVISIONS @ PUTTAPARTHY-PENEKONDA**

**101 STABILITY OF ABUTMENTS FOR BRIDGE.NO.559
STRENGTHENING BY JACKETING, BY PROVIDING
APPROACH SLAB ETC. IN HASSAN-MANGALORE
BETWEEN KANKANADI-KABAAPUTTUR SECTIONS.**

**102 STABILITY OF RETURNS FOR BRIDGE.NO.559
STRENGTHENING BY JACKETING, BY PROVIDING**

**APPROACH SLAB ETC. IN HASSAN-MANGALORE
BETWEEN KANKANADI-KABAAPUTTUR SECTIONS.**

**103 STABILITY OF ABUTMENTS FOR BRIDGE.NO.556
STRENGTHENING BY JACKETING, BY PROVIDING
APPROACH SLAB ETC. IN HASSAN-MANGALORE
BETWEEN KANKANADI-KABAAPUTTUR SECTIONS.**

**104 STABILITY OF RETURNS FOR BRIDGE.NO.556
STRENGTHENING BY JACKETING, BY PROVIDING
APPROACH SLAB ETC. IN HASSAN-MANGALORE
BETWEEN KANKANADI-KABAAPUTTUR SECTIONS.**

**105 STABILITY OF ABUTMENTS FOR BRIDGE.NO.479
STRENGTHENING BY JACKETING, BY PROVIDING
APPROACH SLAB ETC. IN HASSAN-MANGALORE
BETWEEN KANKANADI-KABAAPUTTUR SECTIONS.**

**106 STABILITY OF RETURNS FOR BRIDGE.NO.479
STRENGTHENING BY JACKETING, BY PROVIDING
APPROACH SLAB ETC. IN HASSAN-MANGALORE
BETWEEN KANKANADI-KABAAPUTTUR SECTIONS.**

107 STABILITY OF ABUTMENTS FOR BRIDGE.NO 1274 TO

THE ENDS A1 IN HASSAN-MANGALORE

108 STABILITY OF RETURNS FOR BRIDGE.NO 1274 TO THE ENDS A1 IN HASSAN-MANGALORE

109 STABILITY OF ABUTMENTS FOR BRIDGE.NO 1274 TO THE ENDS A2 IN HASSAN-MANGALORE

110 STABILITY OF RETURNS FOR BRIDGE .NO 1274 TO THE ENDS A2 IN HASSAN-MANGALORE

111 STABILITY CHECKING OF PIERS FOR BRIDGE. NO.63-(10X18.3M + 2X45.7M + 4X18.3M) IN BIJAPUR-BAGALKOT GCC PROJECT

112 STABILITY CHECKING OF ABUTMENTS FOR BRIDGE. NO.63D-(10X18.3M + 2X45.7M + 4X18.3M) IN BIJAPUR-BAGALKOT GCC PROJECT

113 STABILITY OF BRIDGE AT PARVATIKATTA NALLA FOR STRENGTHENING PROPOSAL FOR ABUTMENTS (26.8.04) IN GADA-HOTGI

114 SLOPE STABILITY OF BRIDGE IN BANGALORE-KENGERI,

YESWANTPUR-TUMKUR

**115 STABILITY OF BRIDGE NOS 144A FOR 2WDGG4+9.33
T/M (25) AND SAFE LOAD VERIFICATION IN
TORNAGALLU-BAYALUNADIGN-SECTION**

**116 STABILITY OF BRIDGE NOS 159 FOR 2WDGG4+9.33
T/M (25) AND SAFE LOAD VERIFICATION IN
TORNAGALLU-BAYALUNADIGN-SECTION**

**117 STABILITY OF BRIDGE NOS 152 FOR 2WDGG4+9.33
T/M (25) AND SAFE LOAD VERIFICATION IN
TORNAGALLU-BAYALUNADIGN-SECTION**

**118 STABILITY OF BRIDGE NOS 149 FOR 2WDGG4+9.33
T/M (25) AND SAFE LOAD VERIFICATION IN
TORNAGALLU-BAYALUNADIGN-SECTION**

**119 STABILITY OF BRIDGE NOS 161 FOR 2WDGG4+9.33
T/M (25) AND SAFE LOAD VERIFICATION IN
TORNAGALLU-BAYALUNADIGN-SECTION**

**120 STABILITY OF BRIDGE NO 157 FOR 2WDGG4+9.33
T/M (25) AND SAFE LOAD VERIFICATION IN**

TORNAGALLU-BAYALUNADIGN-SECTION

**121 STABILITY OF BRIDGE NO 139A FOR 2WDGG4+9.33
T/M (25) AND SAFE LOAD VERIFICATION IN
TORNAGALLU-BAYALUNADIGN-SECTION**

**122 STABILITY OF BRIDGE NOS 148 FOR 2WDGG4+9.33
T/M (25) AND SAFE LOAD VERIFICATION IN
TORNAGALLU-BAYALUNADIGN-SECTION**

**123 STABILITY OF BRIDGE NO 145 FOR 2WDGG4+9.33
T/M (25) IN TORNAGALLU-BAYALUNADIGN-SECTION**

**124 FOR BRIDGE NO 145 FOR 2WDGG4+9.33 T/M (25)
, SAFE LOAD VERIFICATION IN TORNAGALLU-
BAYALUNADIGN-SECTION**

**125 STABILITY OF BRIDGE NO 140A-FOR 2WDGG4+
9.33 T/M (25) IN TORNAGALLU-
BAYALUNADIGN-SECTION**

**126 FOR BRIDGE NO 140A-FOR 2WDGG4+9.33
T/M (25) , SAFE LOAD VERIFICATION IN
TORNAGALLU-BAYALUNADIGN-SECTION**

**127 STABILITY OF -BRIDGE NO 142 FOR -2WDG4+
9.33 T/M IN HASSAN -MANGALORE**

**128 STABILITY OF -BRIDGE NO 237 FOR -2WDG4+
9.33 T/M IN HASSAN -MANGALORE**

**129 STABILITY OF -BRIDGE NO 241 FOR -2WDG4+
9.33 T/M IN HASSAN -MANGALORE**

**130 STABILITY OF -BRIDGE NO 243 FOR -2WDG4+
9.33 T/M IN HASSAN -MANGALORE**

**131 STABILITY OF -BRIDGE NO 249 FOR -2WDG4+
9.33 T/M IN HASSAN -MANGALORE**

**132 STABILITY OF -BRIDGE NO 251 FOR -2WDG4+
9.33 T/M IN HASSAN -MANGALORE**

133 STABILITY OF BRIDGE. NO.785 IN HASSAN-MYSORE

134 STABILITY OF BRIDGE 206 AT ARSEKERE

135 SLOPE STABILITY CALCULATIONS

FOR ARSEKERE-BIRUR, SECTIONS VERIFIED

**136 SLOPE STABILITY CALCULATIONS FOR
DANANAGERE-KOTTUR SECTIONS VERIFIED**

**137 STABILITY OF SUB STRUCTURE FOR BRIDGE @
CH:118865 IN HASSAN-BANGALORE**

**138 STABILITY OF BRIDGE @KM6.093 OF
GINEGERE-RAICHUR SECTIONS-VERIFIED**

**139 STABILITY OF ABUTMENT FOR BRIDGE AT
IN HASSAN-BANGALORE**

**140 STABILITY OF PIER FOR BRIDGE AT CH:104451
IN HASSAN-BANGALORE**

**141 STABILITY OF ABUTMENT FOR BRIDGE AT CH : 118859
IN HASSAN-BANGALORE**

**142 STABILITY OF PIER FOR BR 118859 IN HAS-SBC
IN HASSAN-BANGALORE**

143 STABILITY OF ABUTMENT FOR BR 119760

IN HASSAN-BANGALORE

144 STABILITY OF PIER FOR BR 119760 IN HASSAN-BANGALORE

145 STABILITY FOR BRIDGE 144A @ HOSPET & TORNAGALLU

146 STABILITY FOR BRIDGE 144A@ HASSAN - MANGALORE SECTIONS

147 BIJAPUR-BAGALKOT GC PROJECT. BRIDGE.NO.63D STABILITY CHECKING OF PIERS (10X18.3M + 2X45.7M + 4X18.3M) PARVATIKATTA NALLA.

148 BIJAPUR-BAGALKOT GC PROJECT. BRIDGE.NO.63D STABILITY CHECKING OF ABUTMENTS. (10X18.3M + 2X45.7M + 4X18.3M) PARVATIKATTA NALLA.

149 BIJAPUR-BAGALKOT GC PROJECT. BRIDGE.NO. 63D STABILITY CHECKING AND STRENGTHENING PROPOSAL FOR ABUTMENTS (26.8.04).

150 STABILITY CALCULATION FOR PIER OF

BRIDGE NO.77 OF CHITRADURG-RAYADURG

**151 STABILITY CALCULATION FOR PIER OF
BRIDGE.NO.89 OF CHITRADURG-RAYADURG**

**152 STABILITY CALCULATION TO PIER OF
BRIDGE NO53-A, OF CHITRADURG-RAYADURG**

**153 STABILITY CALCULATION FOR PIER OF
BRIDGE.NO 611 OF BANGALORE- MYSORE**

**154 MYSORE-ASHOKPURA, BRIDGE.NO.762-A GIRDER
STABILITY.**

**155 YESWANTPUR-ARSEKERE, BRIDGE.NO.242-A
, STABILITY.**

156 BRIDGE.NO.422 STABILITY,

157 STABILITY, BRIDGE.NO.220 -T-BEAM SLAB.

**158 BANGALORE-DHARMAVARAM, CHECKING ADEQUACY
FOR RCC SLAB & STABILITY FOR, BRIDGE.NO 457.**

**159 VAX CONSULTANT' DESIGNS OF STABILITY
FOR BRIDGE.NO 256**

**160 VAX CONSULTANT'S DESIGNS OF STABILITY
FOR BRIDGE.NO 301-A,**

**161 VAX CONSULTANT'S DESIGNS OF STABILITY
FOR BRIDGE.NO 168**

**162 VAX CONSULTANT'S DESIGNS OF STABILITY
FOR BRIDGE.NO 147**

**163 VAX CONSULTANT'S DESIGNS OF STABILITY
FOR BRIDGE.NO 149**

**164 VAX CONSULTANT'S DESIGNS OF STABILITY
FOR BRIDGE.NO 161**

**165 VAX CONSULTANT'S DESIGNS OF STABILITY
FOR BRIDGE.NO 165**

**166 VAX CONSULTANT'S DESIGNS OF STABILITY
FOR BRIDGE.NO 135**

**167 VAX CONSULTANT'S DESIGNS OF STABILITY
FOR BRIDGE.NO,167**

**168 VAX CONSULTANT'S DESIGNS OF STABILITY
FOR BRIDGE.NO 164.**

**169 STABILITY CALCULATIONS OF FIFTY MINOR
BRIDGES VAX CONSULTANTS FOR ALL BRIDGES
IN HASSAN-MYSORE**

**170 STABILITY CHECKING FOR BRIDGE.
NO.111 @HEMAVATHY (STUP CONSULTANT)**

**171 STABILITY CHECKING FOR BRIDGE.NO.30-A
IN CHIKJAJUR-HARIHAR**

**172 STABILITY CALCULATIONS FOR ROB, RUB
IN HASSAN-MYSORE**

**173 STABILITY CALCULATIONS FOR ROB, RUB
IN WHITEFIELD-KUPPAM**

**174 STABILITY CALCULATIONS FOR ROB, RUB IN SALEM-
YESWANTPUR**

**175 STABILITY OF SUB AND SUPER STRUCTURE
OF ARCH BRIDGES-IN GADAG-SOLAPUR**

**176 STABILITY OF SUB AND SUPER STRUCTURE OF
BRIDGES IN UBBALLI -ANKOLA,**

**177 BRIDGE.NO.63-D STABILITY/STRENGTHENING
IN BIJAPUR-GADAG**

**178 STUP CONSULTANT'S DESIGNS FOR
BRIDGE.NO 1264 IN HASSAN-MANGALORE-STABILITY.**

**179 STUP CONSULTANT'S DESIGNS FOR
BRIDGE.NOS 1261 IN HASSAN-MANGALORE-STABILITY.**

**180 STUP CONSULTANT'S DESIGNS FOR
BRIDGE.NO 77 IN HASSAN-MANGALORE STABILITY.**

**181 STUP CONSULTANT'S DESIGNS FOR
BRIDGE.NO 88 IN HASSAN-MANGALORE-STABILITY.**

**182 STUP CONSULTANT'S DESIGNS FOR
BRIDGE.NO 97 IN HASSAN-MANGALORE STABILITY.**

**183 STUP CONSULTANT'S DESIGNS FOR
BRIDGE.NO 62 IN HASSAN-MANGALORE-STABILITY.**

**184 STUP CONSULTANT'S DESIGNS FOR
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**185 STUP CONSULTANT'S DESIGNS FOR
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**186 STUP CONSULTANT'S DESIGNS FOR ADEQUACY
OF AQUEDUCTS FOR BRIDGE.NOS.219**

**187 STUP CONSULTANT'S DESIGNS FOR ADEQUACY
OF AQUEDUCTS FOR BRIDGE.NOS.212**

**188 STUP CONSULTANT'S DESIGNS FOR BRIDGE.NO 533
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- 1 SPLICE DESIGN FOR LIFTING NEW FLASH BUTT WELDING MACHINE AS PER DRG.NO. CBE/GM/123/87.**
- 2 PREPARING THE FOUNDATION DETAILS AND CHECKING THE RAIL COLUMNS DETAILS FOR 9.4M SPAN RELEASE RAIL TRUSS TO RDSO.NO.RA 10806.**
- 3 CHECKING CRANE GANTRY GIRDER (PAY LOAD 15 T+CAPACITY 10 T,) TO THE BE 992 GENL.SH.24 &SH 2 FOR REMODELLING OF ENGINEERING WORK SHOP/ARAKONAM**
- 4 CHECKING ADEQUACY OF ARMS, PURLINS, AND COLUMNS, FOR IRS PLATFORM SHELTER TO COIMBATORE-JUNCTION IN PALGHAT DIVISION.**
- 5 DESIGN OF FOUNDATION FOR THE TRACTION MOTOR TESTING PLANT @ TABARAM WORK SHOP AS PER THE NO.M/W/577/XI/11**
- 6 DESIGN OF HOIST (5T CAPACITY) @MYSORE DIVISION.**

**7 DESIGN OF ROOF TRUSS 2.75 LBS RAIL COLUMNS,
BASE PLATE AND FOUNDATION FOR PROPOSED
ADDITIONAL YARD FACILITIES @ IRUMPANAM
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**8 DESIGN OF CANTILEVER TYPE PLATFORM
SHELTER FOR PARK TOWN STATION TRUSS.
CHECKED**

**9 DESIGN OF STEEL FOOT OVER BRIDGE
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**10 REVISION OF DESIGN OF CANTILEVER TYPE
PLATFORM SHELTER FOR PARK TOWN STATION
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**11 DESIGN OF ROOF GIRDERS, STANCHIONS, BASE
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**12 DESIGN OF RAIL PLATFORM SHELTER AT
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**13 DESIGN OF STEEL TRESTLE ARRANGEMENTS OF
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**16 MYSORE YARD COAL HANDLING SHED-
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17 SPLICE FOR HOISTING CRANE AT WHITEFELD,

18 FOOT OBVER BRIDGE AT ULLAL

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20 FOOT OBVER BRIDGE AT TEKKAL

21 TRUSS @BYAPPANAHALLI

22 TRUSS @ WHITE FIELD

23 TRUSS @ SATEELITE GOODS TERMINSL.

24 PLATFORM SHELTER FOOTING FOR ODDARAHALLI,

25 PLATFORM SHELTER @BANASWADI

26 TRUSS @ MANGALORE,

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**28 STAGING ARRANGEMENTS, FOR BRIDGE. No 1261 @
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**29 STAGING ARRANGEMENTS, FOR BRIDGE. No 1264 @
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**30 STAGING ARRANGEMENTS, FOR BRIDGE. No 1248 @
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**31 STAGING ARRANGEMENTS, FOR BRIDGE. No @
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33 STAGING ARRANGEMENTS FOR BRIDGE AT DODDANAKUNDI,

34 STAGING ARRANGEMENTS FOR CASTING PSC GIRDERS IN SALEM-BANGALORE

35 STAGING ARRANGEMENTS FOR CASTING PSC GIRDERS IN FOR BRIDGE @ CH:12862 IN DHARMAVARAM-PENEKONGDA.

36 MANGALORE-OUTPIT FACILITIES: VERIFCATION OF TRUSS, ROOF, EAVES, & GANTRY GIRDERS, ROOF LEG , STOOL CONNECTIONS (4-REVISIONS)

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DRAWINGS ARRANGEMENT OF PRESEEURE
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CABLE STAYED BRIDGE @ KRISHNARAJAPURAM**

**44 STAGING ARRANGEMENTS, FOR CABLE STAYED
BRIDGE FINAL POUR STAGING WITHOUT
CANTLEVER FORM TRAVEL GIRDER,
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**45 MANGALORE-OUTFIT FACILITIES (CONCERNED)
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- 46 MANGALORE-OUTFIT FACILITIES SICK LINE/OUT
PIT SHEDS ROOF TRUSSES, STANCHIONS/R.C.C
COLUMNS SIDE CLADDINGS, R.S.J. BEAMS, PURLINS
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- 47 CALCULATIONS FOR LIFTING GIRDERS-J & SONS-
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- 49 CHECKING ADEQUACY CHANNEL SLEEPERS ON
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- 50 CHECKING ADEQUACY CHANNEL SLEEPERS ON
CURVED TRACK RBG OTHER LOAD COMPARISION**
- 51 CHECKING ADEQUACY CHANNEL SLEEPERS ON
CURVED TRACK MBG, OTHER LOAD COMPARISION**
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- 53 RUB @ 320/5-6, TIRFORM-STAGING-VERIFICATION**
- 54 BAGALKOT-GADAG-SOLAPUR-CHANNEL SLEEPERS**
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BOW STRING GIRDER @ LC-71 IN YELAKANKA-
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**66 TEMPORARY ARRANGEMENT DRAWING FOR
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67 TEMPORARY ARRANGEMENT DRAWING FOR

**BOW STRING GIRDER LC-52-IN SHIMOGA-
KOTIGANGARU (ERECTION AT SITE)**

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BOW STRING GIRDER LC 181B IN LONDA-MEERAJ,**

69 PITLINE SHED @ YESWANTPUR

70 TRUSS AT HEJJALA

71 IOH SHED @ MYORE

72 STEEL CANOPY@BYAPPANAHALLI

**73 TEMPORARY ARRANGEMENT DRAWING FOR
BOW STRING GIRDER AT LC-92-(ST/114-2023)
IN BANGALORE-JOLARPET**

**74 TEMPORARY ARRANGEMENT DRAWING FOR
BOW STRING GIRDER @ LC-132-(ST/206-2023)
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**75 TEMPORARY ARRANGEMENT DRAWING FOR
BOW STRING GIRDER @ LC-120-(ST/208-2023)**

IN BANGALORE-JOLARPET

**76 TEMPORARY ARRANGEMENT DRAWING FOR
BOW STRING GIRDER LC-66 (ST/297-2023)
IN UBALLI-BELLARY**

**77 TEMPORARY ARRANGEMENT DRAWING FOR
BOW STRING GIRDER LC-85-(ST/301-2023),
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**78 TEMPORARY ARRANGEMENT DRAWING FOR
BOW STRING GIRDER LC-34-(ST/207-2023)
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79 FOOT OBVER BRIDGE: @ PENEKONDA

80 FOOT OBVER BRIDGE: @ HINDPUR

81 FOOT OBVER BRIDGE: @ RAYADURG

82 FOOT OBVER BRIDGE: @ NON-STD (31.922m),

83 FOOT OBVER BRIDGE-PLATE GIRDER (20m),

**84 FOOT OBVER BRIDGE 17.5m (2-TRACKS),
SAMPIGE ROAD**

**85 FOOT OBVER BRIDGE 17.5m (2-TRACKS) IN
CHALGAERI**

86 FOOT OBVER BRIDGE 17.5m (2-TRACKS) IN SAMBRE

87 FOOT OBVER 17.5m (2-TRACKS) AT MALLACHANDRA

**88 FOOT OBVER BRIDGE 17.5M (2-TRACKS), RVNL-
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**89 TEMPORARY ARRANGEMENT DRAWING FOR
BOW STRING GIRDER @ LC-92 IN BANGALORE-
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**90 TEMPORARY ARRANGEMENT DRAWING FOR
BOW STRING GIRDER @ LC- 95 IN BANGALORE-
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**91 TEMPORARY ARRANGEMENT DRAWING FOR
BOW STRING GIRDER. @ LC-297 IN UBALLI-MEERAJ**

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BOW STRING GIRDER @ LC-2A IN LONDA-MEERAJ**

**93 TEMPORARY ARRANGEMENT DRAWING FOR
BOW STRING GIRDER @ LC-81 IN GADAG-HOTGI**

**94 TEMPORARY ARRANGEMENT DRAWING FOR
BOW STRING GIRDER @ LC-102 IN UBBALLI-
BELLARY,**

**95 TEMPORARY ARRANGEMENT DRAWING FOR
BOW STRING GIRDER AT LC-79 IN HOLENARSHIPUR**

**96 TEMPORARY ARRANGEMENT DRAWING FOR
BOW STRING GIRDER AT LC 227 IN UBL-CHIKJAJUR**

**97 TEMPORARY ARRANGEMENT DRAWING FOR
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**98 TEMPORARY ARRANGEMENT DRAWING FOR
ROAD UNDER BRIDGE @ LC-73 @ MANDYA,**

99 TEMPORARY ARRANGEMENT DRAWING FOR

**ROAD UNDER BRIDGE LC-91 IN BANGALORE-
JOLARPET.**

**100 TEMPORARY ARRANGEMENT DRAWING FOR
ROAD UNDER BRIDGE LC-92 IN BANGALORE-
JOLARPET.**

**101 TEMPORARY ARRANGEMENT DRAWING FOR
ROAD UNDER BRIDGE LC-95 IN BANGALORE-
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**102 TEMPORARY ARRANGEMENT DRAWING FOR
FOOT OBVER BRIDGE @ PATCHAPUR**

**103 TEMPORARY ARRANGEMENT DRAWING FOR
FOOT OBVER BRIDGE @ CHINCHILI**

**104 TEMPORARY ARRANGEMENT DRAWING FOR
FOOT OBVER BRIDGE @ SHEDBAL**

**105 TEMPORARY ARRANGEMENT DRAWING FOR
FOOT OBVER BRIDGE @ SULDHAL**

**106 TEMPORARY ARRANGEMENT DRAWING FOR
FOOT OBVER BRIDGE @ SULEBHAI**

**107 TEMPORARY ARRANGEMENT DRAWING FOR
FOOT OBVER BRIDGE @ UGARKURD**

**108 TEMPORARY ARRANGEMENT DRAWING FOR
FOOT OBVER BRIDGE @ VIJAYANAGAR**

**109 TEMPORARY ARRANGEMENT DRAWING FOR
FOOT OBVER BRIDGE @ SOUNSHI.**

**110 TEMPORARY ARRANGEMENT DRAWING FOR BSG @
LC 38 . AT SHIVADI -DHARMAPURI- SALEM SECTION**

**111 TEMPORARY ARRANGEMENT DRAWING FOR BSG @
LC 44 IN YELEKANKA-PENEKONDA**

**112 TRIP/REPAIR SHED AT KRISHNARAJAPURA LOCO
SHED**

113 FOOT OBVER BRIDGE AT AMMACHANDRA

114 FOOT OBVER BRIDGE AT BANGALORE YARD

**115 CHECKING ADEQUACY OF PF SHELTERS AT
BYAPPANAHALLI DESIGN AND DRAWINGS -
VERIFIED**

**116 CHECKING TEMPORARY ARRANGEMENT DRAWING
FOR BR 423 @ BANGALORE**

**117 TEMPORARY ARRANGEMENT DRAWING FOR RUB
AT LC NO 80 @ ARSIKERE-TUMKUR (ST/215-2017)**

**118 ADEQUACY OF 2 X ISMB-600 TEMP ARRANGEMENT
@ BR 423 IN BANGALORE FOR ST/68-2017,
BR/182-2017)**

**119 STEEL CRIB ARRANGEMENT DESIGN FOR
WATERMAIN 1 X9.6+ 2 X 6.9 M FOR DYCE/BR/CN/BNC**

**120 TEMPORARY ARRANGEMENT DRAWING NO
SWR/CN/BNC/ST/20-2016 FOR LC 129 IN BANGALORE-
WHITEFIELD SECTION**

**121 TEMPORARY ARRANGEMENT DRAWING FOR RUB @
CH:279250 WITH DRG ST/105-2015-DESIGNED**

**122 TEMPORARY ARRANGEMENT DRAWING @
LC NO 129 AT DEVANGOTHI**

**123 LAUNCHING SCHEME TEMPORARY ARRANGEMENT
DRAWING NO ST/04-2015 IS VERIFIED**

124 STEEL FOOT OBVER BRIDGE @ BIRUR

125 STEEL FOOT OBVER BRIDGE @ MANDYA

126 STEEL FOOT OBVER BRIDGE @ HONNAKERE

127 FOOT OBVER BRIDGE AT YELIYUR

**128 STAGING DESIGN FOR BRIDGE 710A @
RAMANAGARAM-MYSORE**

**129 STAGING DESIGN FOR BRIDGE 709A @
RAMANAGARAM-MYSORE**

**130 STAGING DESIGN FOR BRIDGE 732 @
RAMANAGARAM-MYSORE**

131 STAGING FOR BRIDGE 705 @ RAMANAGARAM-MYSORE

132 STAGING FOR BRIDGE 706A @ RAMANAGARAM-MYSORE

133 FOOT OBVER BRIDGE AT KADUR

134 FOOT OBVER BRIDGE AT WHITE FIELD

135 STAGING DESIGN AT LEVEL CROSSING 32 @ SHIMOGA

136 FOOT OBVER BRIDGE AT BANAVAR-ALTERNATE DESIGN OF CONNECTIONS-DESIGNED

137 VERIFICATION OF HOSPET SHED STEEL DESIGN AND DRAWINGS 23 NOS

138 FOOT OBVER BRIDGE AT DEVANUR DRAWING VERIFIED

139 FOOT OBVER BRIDGE AT ARSEKERE

140 FOOT OBVER BRIDGE AT BANAVAR

**141 STAGING DESIGN FOR BRIDGE AT LEVEL CROSSING
NO 15 @ DEVANAHALI**

**142 STAGING DESIGN FOR BRIDGE @ LEVEL CROSSING
NO 6 MATHEKERE**

**143 STAGING DESIGN FOR BRIDGE @ LEVEL CROSSING
NO 132 AT WHITEFIELD,**

144 FOOT OBVER BRIDGE AT HINDUPUR STATION

**145 HINDUPUR-DHARAMAVARAM DL PROPOSED
CONSTRUCTION OF FOB BETWEEN HINDUPUR-
DHARAMAVARAM STATIONS FOR 4 TRACKS
CROSSING STRUCTURAL DETALS OF FOB AT
PENEKONDA DESGIN AND DRAWING WAS VERIFIED.**

**146 CONSTRUCTION OF ALL WEATHER COVERED SHED
FOR PIT LINE NO 1 TO 5 AT YESHWANTPUR YARD
STRUCTURAL DETAILS OF SHED FOR PIT LINE
AT YESWANTPUR YARD-STEEL DESIGN AND
DRAWINGS WERE VERIFIED**

147 PROPOSED CONSTRUCTION OF ROB WITH SUBWAY IN LIEU OF LEVEL CROSSING C NO.95 AT KM:228/500-600 1X18M COMPOSITE GIRDER & 11X20.M PSC GIRDER IN PATCHUR YARD -TEMPORARY ARRANGEMENT DESGIN AND DRAWING WAS VERIFIED.

148 LONDA-MEERAJ SECTION PROPOSED CONSTRUCTION OF FOUR LANE ROB 2X60.0M BOWSTRING GIRDER RAILWAY PORTION+ 2X18.3M PSC GIRDER APPROACH PORTION AND PEDESTRIAN SUBWAY OF TAD 1X4MX2.5M AT KM: 607/893 IN LIEU OF LC NO 381 BETWEEN BESUR AND BELAGAVI STATIONS TEMPORARY ARRANGEMENT DESGIN AND DRAWING WAS VERIFIED.

149 BANGALORE - JOLARPETTAI SECTION PROPOSED CONSTRUCTION OF ROB WITH SUBWAY IN LIEU OF LC NO 91 AT KM:218/500-600 WITH 1X36M SPAN BOWSTRING STEEL GIRDER AND 16X20.0M PSC-1 GIRDERS IN APPROACH B/W SOMNAYAKANAPATTI AND JOLARPETTAI STATIONS, GIRDER LAUNCHING SCHEME AND TEMPORARY ARRANGEMENT DESIGN AND DRAWING WERE VERIFIED.

150 TEMPORARY ARRANGEMENT DRAWING VERIFIED FOR YELAKANKA-PENEKONDA DL PROJECT:

PROPOSED CONSTRUCTION OF FOB FOR FOUR TRACK CROSSING AT CH: 109442.00 MALUGUR RAILWAY STATION SPAN 28.860M (GANGWAY WIDTH - 3.00M)

151 APPROVAL OF TAD MYSORE-HASSAN ROB WORKS PROPOSED ROB AT CH: 88120 IN IEU OF LEVEL CROSSING NO 79 AS 1X72M BOWSTRING GIRDER + 13X20M PSC GIRDER BETWEEN HOLENARSIPURA AND MAVINKERE STATIONS - REG, TEMPORARY ARRANGEMENT DESIGN

152 LONDA-MEERAJ-PUNE DL PROJECT: PRO CONSTRUCTION OF FOB FOR FOUR TRACKS CROSSING AT PATCHHAPUR RAILWAY STATION SPAN 31.922M (GANGWAY WIDTH 3.00M) AT (CH: 646518.50M) TEMPORARY ARRANGEMENT DESIGN AND DRAWING WERE VERIFIED.

153 STAGING DESIGN FOR BRIDGE 710A in HASSAN-MYSORE DESIGN WAS VERIFIED

154 STAGING DESIGN FOR BRIDGE 709A in HASSAN-MYSORE DESIGN WAS VERIFIED

155 STAGING DESIGN FOR BRIDGE 732 in HASSAN-MYSORE DESIGN WAS VERIFIED

156 FOOT OVER BRIDGE AT YELIYUR, DESIGN WAS VERIFIED

157 LAUNCHING SCHEME OF OPEN WEB STEEL GIRDER FOR BRIDGE @63D IN GADAG-HOTGI SECTION DESIGN WAS VERIFIED

158 LAUNCHING SCHEME OF OPEN WEB STEEL GIRDER FOR BRIDGE @08 IN GADAG-HOTGI SECTION DESIGN WAS VERIFIED

159 LAUNCHING SCHEME OF OPEN WEB STEEL GIRDER FOR BRIDGE @76 IN GADAG-HOTGI SECTION DESIGN WAS VERIFIED

160 LAUNCHING SCHEME OF OPEN WEB STEEL GIRDER FOR BRIDGE @ 91 IN GADAG-HOTGI SECTION DESIGN WAS VERIFIED

161 LAUNCHING SCHEME OF OPEN WEB STEEL GIRDER IN LONDA- MIRAJ SECTION, FOR BRIDGE

@184 DESIGN WAS VERIFIED

**162 LAUNCHING SCHEME OF OPEN WEB STEEL
GIRDER IN LONDA-MIRAJ SECTION, FOR
BRIDGE @125 DESIGN WAS VERIFIED**

**163 FOR BRIDGES IN-GADAG-SOLAPURR, LAUNCHING
GIRDER DESIGN WAS VERIFIED**

**164 FOR BRIDGES IN UBALLI -ANKOLA, LAUNCHING
GIRDER DESIGN WAS VERIFIED**

**165 ADEQUACY VERIFICATION OF CHANNEL SLEEPERS-
FOR BRIDGE. NO.385 & 353-IN HASSAN-MANGALAORE**

166 ADEQUACY OF BEARINGS FOR BRIDGE NO 473

167 ADEQUACY OF BEARINGS FOR BRIDGE NO 474

**17. DESIGN OF RCC STRUCTURAL DESIGNS (1988-2024)—
--- 39 DESIGNS**

1 CHECKING THE RCC DETAILS OF ROOF AND

**FLOOR SLAB FOR PUMP WELL @ PERAMBUR,
SEWAGE DISPOSAL UNIT.**

**2 DESIGN OF FOUNDATION FOR THE TRACTION MOTOR
TESTING PLANT @ TAMBARAM WORK SHOP. AS PER
THE DRAWING NO.M/W/577/XI/11**

**3 DESIGN OF ROOF TRUSS 2.75 LBS RAIL COLUMNS
FOUNDATION FOR PRO ADDITIONAL YARD
FACILITIES @ IRUMPANAM FOR COCHIN REFINERIES.**

**4 CHECKING STRESSES FOR CHEPAK STATION
BUILDING.**

**5 DESIGN OF CATWALK SLAB ARRANGEMENTS
FOR MADRAS BEACH STATION-INSPECTION SHED.**

**6 CHECKING FOUNDATION FOR INTZE TANK
AT MYSORE YARD.**

**7 BANGALORE-YESWANTPUR, GANG WAY SLAB
& BEAMS FOR FOOT OVER BRIDGE @ MYSORE**

8 BED BLOCK FOR BRIDGE.NO 684 @ HASSAN-

MANGALORE

9 BED BLOCK FOR BRIDGE.NO 249 IN HASSAN-MYSORE

10 PLATFORM SHELTER FOOTING FOR ODDARAHALLI,

**11 FOOT PATH WORKS @CABLE STAYED BRIDGE/
KRISHNARAJAPURAM**

12 RCC FOOT OVER BRIDGE @ PUTTAPARTHU

**13 MANGALORE-OUT PIT FACILITIES RCC DETAILS
COVERED SHED COLUMN WITH COMBINED RAFT**

**14 MANGALORE-OUT PIT FACILITIES RCC DETAILS
COVERED SHED RCC PIT LINE WITH RAFT.**

**15 RCC RAMP FOR RCC BOX, @ CABLE STAYED BRIDGE/
KRISHNARAJAPURAM**

**16 RCC BED BOCK, TRESTLE BEAM, COLUMN AND
FOOTINGS FOR BRIDGE.NO 45175 IN DHARMAVARAM-
PENEKONDA**

17 RCC BED BOCK, TRESTLE BEAM, COLUMN AND FOOTING FOR BRIDGE.NO 45950 IN DHARMAVARAM-PENEKONDA

18 RCC BED BOCK FOR BRIDGE @ CH;29702 IN DHARMAVARAM-PENEKONDA

19 MANGALORE-OUTPIT FACILITIES A) VERIFICATION OF RAFT AND PIT LINE RCC COMBINED RAFT COLUMN, TIE BEAM &CATWALK SLAB

20 VERIFICATION OF MIX DESIGN

21 GROUND LEVEL RESERVOIR @ CHIJA JUR (ST/182-2017)

22 RCC CIRCULAR FOUNDATIONS FOR THE INTZ TANK VIDE RDSO/B/1239,1240 AND 1241

23 SUMP AT LEVEL CROSSING NO 40 AT TUMKUR STATION

24 FOUNDATION FOR INTZ TANK AS PER RDSO/B/1239, 1240,1241-DESIGNED

**25 CHECKING OF REINFORCED SOIL RETAINING WALL
IN CHIKJAJUR-HARIHAR**

**26 RCC RETAINING WALL IN @ KM/5.408 OF.
HASSAN-BANGHALORE**

27 UNDER GROUND WATER TANK@BANAVAR

28 UNDER GROUND WATER TANK@ KADUR

29 GABBION WALL AT KUMTHAVALLI

30 COMPOUND WALL AT CSTE/O/BANGALORE CANTT

**31 SWIMMING POOL @ WHEEL AND AXLE
PLANT/YELAKANKA**

32 BED BLOCKS FOR CAUVERY BRIDGE

**33 CHECKING THE SEISMIC ARRESTER DESIGN FOR
CAUVERY BRIDGE AT MYSORE-MANDYA**

34 GADAG-SOLAPUR-T BEAM DECK BRIDGE/194-07

**35 RCC-T BEAM DECK FOR BRIDGE NO 31A
DESIGN IS VERIFIED**

**36 RCC-T BEAM DECK FOR BRIDGE NO 194/07, ST/222-07
DESIGN IS VERIFIED**

37 RCC T-BEAM DECK FOR KABINI BRIDGE

**38 CHECKING FOUNDATION DESIGN FOR INTZE TANK
AT MYSORE YARD.**

**39 ADEQUACY OF GANG WAY SLABS AND BEAMS
FOR FOOT OVER BRIDGE AT MYSORE IN
BANGALORE-YESWANTPUR**

**18. REVIEW OF ROAD OVER BRIDGE
DESIGNS (1988-2024) --- 78 DESIGNS**

1 DESIGN OF PILE AND PILE CAP FOR FOOT

**PATH OF ROB @ PALLAVAN CHALAI CHENNAI
IN SOUTHERN RAILWAY.**

2 ROB BRIDGE.NO.41-A, IN CHITRA DURG-RAYA DURG,

3 ROB.NO.487-A IN BANGALORE-MYSORE.

4 ROB 414B IN BANGALORE-YESWANTPUR

**5 BANGALORE-ARSEKERE, CHECKING TRESTLE- DESIGN
BEAM, COLUMN, RAFT & SLAB FOR ROB.NO.194.**

**6 CHECKING PSC- GIRDER, FOR ROB.NO.@
NAYANDAHALLI IN BANGALORE-MYSORE**

**7 ROB @ PANDAVAPURA -RCC TRESTLE
DESIGN VERIFIED**

**8 ROB AT @CH:162212 IN BANGALORE-HASSAN -
DESIGN OF DIRT WALL**

9 ROAD SLAB @SASAM YARD

10 ROB @ KRISHNARAJAPURAM-ERECTION SCHEME OF

TRUSS FOR CASTING, CABLE STAYED BRIDGE-PYLON

11 ROB @ BANASWADI a), SOIL PARTICULARS, VERIFIED

12 ROB @ WFD (UNIQUE ENGINEERS), PILE AND PILE CAP FOR BOW STRING GIRDER

**13 ROB, @PANDAVAPURA, (Y.K. CONSULTANTS),
VERIFICATION OF PSC GIRDER, TRESTLE AND
COMBINED RAFT FOUNDATION-VERIFIED**

**14 ROB @ 339-A, IN ESWANTPUR-TUMKUR-
(SWAYIN ASSOCIATES)**

**15 ROB @ 312-A, IN ESWANTPUR-TUMKUR--
(SWAYIN ASSOCIATES)**

**16 ROB @332-A, IN ESWANTPUR-TUMKUR--
(SWAYIN ASSOCIATES)**

**17 ROB @ 407-A, IN YESWANTPUR-TUMKUR-
(SWAYIN ASSOCIATES)**

18 ROB @339-A TRESTLE & PSC SLAB (V.K. REDDY

CONSULTANT)-VERIFIED

19 ROB AT PACHHUR - DIRT WALL DESIGNED

**20 ROB AT LC 9 DODDAJALA(I) ABUTMENT AND
BED BLOCK VERIFIED**

21 ROB @LC 59-MADDUR KUPPA-RE PANEL VERIFIED

**22 ROB-AT-LC.NO.6-MATHEKERE BRIDGE
BEARING VEIFIED**

23 PSC-I GIRDER- NEELA MANGALA -ROB-VERIFIED

24 ROB AT LC 6 MATHEKERE

25 ROB AT LC.NO.53 -RE PANEL VERIFIED

26 ROB @ NAYH-GAD -PORTAL FRAME VERIFIED

27 ROB AT LC 48-GAD VERIFIED

**28 ROB AT LC 45, BIJAPUR-GADAG-TRANSITION CURVED
SLABS P14-P15, ST/243-07,**

**29 ROB at LC 6 MATHEKERE, YESWANTPUR-SALEM,
STAGING FOR 30 M SPAN -VERIFIED.**

**30 ROB AT LC 114 BELLARY SOIL REPORT
CLASSIFICATION- VERIFICATION**

**31 ROB AT LC 138 ITC-ROB DESIGN FOR ROAD WIDTH
5.5 M or 7.5 M**

**32 ROB AT LC 45 RE PANEL CLARIFICATIONS
FROM DYCE/CN/UBBALLI**

**33 ROB AT LC 54 RE PANEL MAADUR-KOPPEL-
CLARIFICATIOND FROM DY/CE/HQ/CN/UBL**

**34 ROB AT LC 53-RE PANEL VERIFCATION OF DESIGN
AND DRAWINGS**

35 ROB @ CH: NO.32, RITES

36 ROB @ LC.45-PILE/CAP,

37 ROB @ CH: NO.48, -RITES

38 ROB @ CH: NO.59-RITES

39 ROB @ CH: NO.53-RITES

40 ROB @ CH: NO.208-RITES

41 ROB @ LC NO:9, DODDA JALA

**42 CRASH BARRIER FOR ROB OF LC-136A @
BYAPPANAHALLI,**

43 RE PANEL AT LC 47 IN RMGM-MYS.

**44 ROB -SUB STRUCTURE PILE, SUBSTRUCTURE OPEN
FOUNDATION, PSC -SUPER STRUCTURE @
LC 136A-BYAPPANAHALLI**

45 RCC SKEW BOX AT LC NO 3 @ HASSAN-SAKLESHPUR

**46 VERIFICATION OF NDT RESULTS FOR RC
BOX AT LC NO. 27 IN BANGALORE-TUMKUR**

47 ROB AT LC NO 43 IN DHARMAPURI-PALACODE

(ST/123-2017)

**48 ROB AT LC NO 46 IN DHARMAPURI-PALACODE
(ST/124-2017)**

49 RE PANEL @ LC 116 VIDE DRG ST/59-2017

**50 ROB @ LC 47 IN RMGM-MYS DESIGN &
DRG ST/55-2015 ATTENDED**

**51 RE PANEL DESIGN AND DRG ST/27-2015 FOR LC -198
IN CHIKJAJUR-HARIHAR**

52 STAIR CASE DESIGN@LC 4 FOR RPC LAY OUT

**53 RCC BOX DESIGN@LC 4 OF RPC
LAYOUT (IRC LOADINGS)**

54 RE PANEL AT KADUR-CHIKMAGALUR

**55 COMPOSITE GIRDER FOR 2 LANE RDSO DRAWING
WORKS**

56 CURVED SLAB FOR ROB@ LC 45 BAGALKOT

57 ROB AT LC 40 AT TUMKURU

58 ROB AT LC 41 AT TUMKURU

59 ROB AT LC 48 SHIMOGA

60 ROB AT LC 6 MATHEKERE

**61 COMPOSITE GIRDER FOR ROB AT LC NO 136 A IN
BANGALORE-BYAPPANAHALLI**

**62 RE WALL FOR ROB AT LC NO 136 A IN BANGALORE-
BYAPPANAHALLI**

61 ROAD OVER BRIDGE @ YELKANAKA (PSC SLAB)

62 ROAD OVER BRIDGE, PSC SLAB @NAYANDAHALLI

**63 ROB IN KRISHNARAJAPURAM-WHITE FIELD,
ROB AT KM/333/1-2.**

**64 GEOMARINE CONSULTANTS DESIGN
FOR ROB@BYAPPANAHALLI**

**65 ROB -SUB STRUCTURE PILE, SUBSTRUCTURE
OPEN FOUNDATION, PSC -SUPER STRUCTURE
@ LC 136A-BYAPPANAHALLI**

66 ROB @BRIDGE 97/6-7, CH:3605 IN HASSAN-MYSORE

67 MIX DESIGN &SHEET PILING FOR CSB/KJM

68 BEARINGS FOR LC 40 IN TUMKUR

69 BEARINGS FOR LC-41 IN TUMKUR

**70 BEARINGS FOR LC 136A IN BANGALORE-JOLARPET
SECTION**

71 ROB,NO.339-A (PSC SLAB), YESWANYTPUR-TUMKUR

**72 TRESTLE BEAM, TRESTLE COLUMN &
FOOTINGS) IN YESWANYTPUR-TUMKUR**

73 ROB @ HEBBAL

74 ROB @HANUMANHATTI (AT KM 311 HARIHAR-HAVERI

75 ROB @ 149 IN HASSAN-MYSORE

76 ROB @ 145 IN HASSAN-MYSORE

77 ROB @ 148 IN HASSAN-MYSORE

78 ROB @ 98 IN HASSAN-MYSORE

**19. POWERLINE CROSSING STABILITY ASSESSMENT
--- 6 DESIGNS**

**1 TRICHY DIVISION FOR TNEB 110 KV .SC LINE
KULLANCHAVADI & CUDDALORE SC LINE IS CROSSING
THE EXISTING MG TRACK IN BETWEEN COPPER
QUARRY AND ALLAPAKKAM RLY STATIONS
BETWEEN P&T POSTS NOS 216/10 &216/11 BETWEEN
LOCATIONS 27&28 OF POWER LINE CHECKING
FACTOR OF SAFETY AND STRUCTURAL STABILITY.**

**2 MADURAI DIVISION FOR TNEB 22KV CROSSING THE
RAILWAY TRACK @ KM 550/14-15, BETWEEN,
MANAMADURAI & KONNAKULAM.
STNS./W/384/V/1- FILE**

**3 PALGAHT DIVISION FOR EHT 230 KV DC OVERHEAD
POWERLINE CROSSING AT KM 347/1-2 AND BETWEEN
STATIONS VIRAPANDY ROAD & MAGUDANCHAVADI.**

**4 PALGHATT DIVISION 230 KV PUGULUR -UDUMALAPET.
DC LINE RAILWAY CROSSING ARRANGEMENTS-
CROSSING TRACK BETWEEN PUGALUR & NOYYAL
AT KM 49/15-50/1**

**5 EHT 66KV OVERHEAD POWERLINE CROSSING
THE BG TRACK AT KM 218/5-6 BETWEEN
JOLARPETTAI- TIRUATTUR STATIONS**

**6 22 KV SECOND FEEDER OF SIPCOT /CUDDALORE-
KULLANCHAVADI S.S CROSSES OVER RAILWAY TRACK
BETWEEN T.P 214/10-AND T.P 214/11 COPPEERQUARRY
AND ALLAPAKKAM RAILWAY STATIONS**

20. DESIGNS IN TRACK SECTION --- 15 DESIGNS

**1 FEASIBILITY OF CATCH SIDING AT NAYANDAHALLI
 IN BANGALORE-MYSORE**

2 SPACING OF SLEEPERS IN BANGALORE-MYSORE

3 BANGALORE-ARESEKERE, ADIHALLI CATCH SIDING

**4 TRACK SECTION WORKS CATCH
 SIDING @ DONIGAL,**

**5 TRACK SECTION WORKS CATCH
 SIDING @ YEDIMURU**

**6 TRACK SECTION WORKS CATCH
 SIDING @ MUTTAMPATTY.**

**7 CATCHSIDING, FOR MUTTAMPATTI STN IN
 SBC-SA COMPARED & VERIFIED COPY HAS
 BEEN SUBMITTED TO CE/CN/II/BNC**

**8 CATCH SIDING, FOR DONIGAL IN HAS-MAQ AS PER
 BOOK AND S.C. RAILWAY FAX CALCULATIONS**

9 CATCH SIDING SRIVAGALU, DONIGAL

**10 SPEED CERTIFICATION & CATCH SIDING
FOR TRACK SECTION**

11 CATCHSIDING AT NAYANDAHALLI

12 CATCH SIDING AT YEDAKUMAI-CASE 1

13 CATCH SIDING AT YEDAKUMAI CASE 2

14 CATCH SIDING AT YEDAKUMAI CASE 3

15 CATCH SIDING AT AMBUGA

**21. BRIDGE TEST LOAD ASSESMENTS FOR IRS LOADINGS
--- 83 DESIGNS**

**1 TEST LOADS FOR BRIDGE.NOS .10 - IN CHIRADURGA,
VERIFIED MANNUALY AND WITH COMPUTER
PROGRAMS.**

- 2 TEST LOADS FOR BRIDGE.NO.17 - IN DAVANAGERE
VERIFIED MANNUALY AND WITH COMPUTER
PROGRAMS.**
- 3 TEST LOADS FOR BRIDGE.NO.44-IN SHIMOGA VERIFIED
MANNUALY AND WITH COMPUTER PROGRAMS.**
- 4 TEST LOAD ARRAY FOR BRIDGE.NO10 IN CHITRADURGA**
- 5 TEST LOAD ARRAY FOR BRIDGE.NO17 IN DAAVANAGERE**
- 6 TEST LOAD ARRAY FOR BRIDGE.NO 44 IN SHIMOGA.**
- 7 TEST LOAD CALCULATIONS FOR BRIDGE.NO 147
IN HASSAN-MANGALORE**
- 8 TEST LOAD CALCULATIONS FOR BRIDGE.NO
161 IN HASSAN-MANGALORE**
- 9 TEST LOAD CALCULATIONS FOR
BRIDGE.NO,132 IN HASSAN-MANGALORE**
- 10 TEST LOAD CALCULATIONS FOR**

BRIDGE.NO,169 IN HASSAN-MANGALORE

- 11 TEST LOAD CALCULATIONS FOR
BRIDGE.NO,169, IN HASSAN-MANGALORE**
- 12 TEST LOAD CALCULATIONS FOR
BRIDGE.NO,122-A IN HASSAN-MANGALORE**
- 13 TEST LOAD CALCULATIONS FOR
BRIDGE.NO,170 IN HASSAN-MANGALORE**
- 14 TEST LOAD CALCULATIONS. FOR
BRIDGE.NO,296 IN HASSAN-MANGALORE**
- 15 TEST LOAD CALCULATIONS FOR
BRIDGE.NO,280, IN HASSAN-MANGALORE**
- 16 TEST LOAD CALCULATIONS FOR
BRIDGE.NO,286, IN HASSAN-MANGALORE**
- 17 TEST LOAD CALCULATIONS FOR
BRIDGE.NO,278 IN HASSAN-MANGALORE**

**18 TEST LOAD CALCULATIONS FOR
BRIDGE.NO,301-A, IN HASSAN-MANGALORE**

**19 TEST LOAD CALCULATIONS & DEFLECTIONS
CALCUATIONS FOR BRIDGE.NOS 81 IN
HASSAN-MANGALORE.**

**20 TEST LOAD CALCULATIONS & DEFLECTIONS
CALCUATIONS FOR BRIDGE.NOS 82 IN
HASSAN-MANGALORE.**

**21 TEST LOAD CALCULATIONS & DEFLECTIONS
CALCUATIONS FOR BRIDGE.NOS 85 IN
HASSAN-MANGALORE.**

**22 TEST LOAD CALCULATIONS FOR BRIDGE.NOS. 23
OF STEEL GIRDERS IN HASSAN-MANGALORE**

**23 TEST LOAD CALCULATIONS FOR BRIDGE.NOS.28
OF STEEL GIRDERS IN HASSAN-MANGALORE**

**24 TEST LOAD CALCULATIONS FOR BRIDGE.NOS.116
OF STEEL GIRDERS IN HASSAN-MANGALORE**

**25 TEST LOAD CALCULATIONS FOR BRIDGE.NOS. 96
OF STEEL GIRDERS IN HASSAN-MANGALORE.**

**26 TEST LOAD CALCUATIONS.FOR BRIDGE.NOS
772 IN WHITEFIELD**

**27 TEST LOAD CALCUATIONS.FOR BRIDGE.NO
786 IN WHITEFIELD**

**28 TEST LOAD CALCUATIONS.FOR BRIDGE.NOS
821 IN WHITEFIELD**

**29 TEST LOAD CALCUATIONS, FOR
BRIDGE .NO .2-A IN SHORANUR-MANGALORE**

**30 TEST LOAD CALCUATIONS.FOR
BRIDGE.NO. 560, IN YESVANTPUR-BYAPPANAHALLI,**

**31 TEST LOAD CALCUATIONS.FOR
BRIDGE.NO 1268 IN SHORANUR-MANGALORE**

**32 TEST LOAD CALCUATIONS.FOR
BRIDGE.NO 278 IN HASSAN**

**33 TEST LOAD CALCUATIONS, FOR
BRIDGER.NOS 786 @, BANGALORE-KUPPAM**

**34 TEST LOAD CALCUATIONS, FOR
BRIDGE.NO.772 @, BANGALORE-KUPPAM**

**35 TEST LOAD CALCUATIONS, FOR
BRIDGE.NO 2A @ HASSAN-MANGALORE**

**36 TEST LOAD CALCUATIONS, FOR
BRIDGE.NO.62, RUB @ YELAKANAKA**

**37 TEST LOAD CALCUATIONS, FOR
BR.NO.539, IN SALEM-YESWANTPUR**

**38 TEST LOAD CALCUATIONS, FOR
BRIDGE.NO.550-A, IN SALEM-YESWANTPUR,**

**39 TEST LOAD CALCUATIONS, FOR
BRIDGE.NOS CH,7511, IN DHARMAVARAM-PUTTAPARTHY**

**40 TEST LOAD CALCUATIONS, FOR
BR.NOS CH,2862 IN DHARMAVARAM-PUTTAPARTHY**

41 **TEST LOAD CALCUATIONS
, FOR BRIDGE.NOS CH 3529 IN DHARMAVARAM-
PUTTAPARTHY**

42 **TEST LOAD CALCUATIONS,
FOR BRIDGE.NOS CH,6266 IN DHARMAVARAM-
PUTTAPARTHY**

43 **TEST LOAD CALCUATIONS FORBRIDGE
NOS @ LOGH, (PSC GIRDERS), IN SALEM-BANGALORE**

44 **TEST LOAD CALCUATIONS FOR BRIDGE
NOS @ DODDANAKUNDI, (PSC GIRDERS), IN
SALEM-BANGALORE**

45 **TEST LOAD CALCUATIONS,
FOR BRIDGE.NOS 1248 IN HASSAN-MANGALORE**

46 **TEST LOAD CALCUATIONS,
FOR BR.NO,1254 IN HASSAN-MANGALORE**

47 **TEST LOAD CALCUATIONS,
FOR BRIDGE.NO,1259 IN HASSAN-MANGALORE**

**48 TEST LOAD CALCUATIONS,
FOR BRIDGE.NO,1262 IN HASSAN-MANGALORE**

**49 VERIFICATION OF TEST RESULT FOR PILE TESTING
@BYAPPANAHALLI, CLARIFICATION GOT FROM RDSO,**

**50 GUIDE LINES, ISSUED TO CE/CN/MS FOR
TESTING M.G. ARCH BRIDGES.**

**51 FURNISHING DETAILS OF LOAD TESTING-
FOR BRIDGE.NO @CH:29702 (PSC GIRDERS) IN
DHARMAVARAM-PENEKONDA,**

**52 FURNISHING DETAILS OF LOAD TESTING-
FOR BRIDGE.NO @CH:27860 (PSC GIRDERS) IN
DHARMAVARAM-PENEKONDA,**

**53 FURNISHING DETAILS OF LOAD TESTING-
FOR PILE LOAD TESTING IN
DHARMAVARAM-PENEKONDA,**

**54 FURNISHING TEST LOAD CALCUATIONS,
FOR BR.NO 560 IN SALEM-BANGALORE
FOR CE/HQ/CN/BNC,**

**55 FURNISHING DETAILS OF PILE LOAD TESTING
FOR BR.NO 1274 @ NETHRAVATHI IN
HASSAN-MANGALORE.**

**56 (LOAD CALCULATION DETAILS FOR STONE
SLABS & ARCH, BRIDGES NO. 753)**

**57 (LOAD CALCULATION DETAILS FOR STONE
SLABS & ARCH, BRIDGES NO.737)**

**58 (LOAD CALCULATION DETAILS FOR STONE
SLABS & ARCH, BRIDGES NO.736)**

**59 (LOAD CALCULATION DETAILS FOR STONE
SLABS & ARCH, BRIDGES NOS.746)**

**60 (LOAD CALCULATION DETAILS FOR STONE
SLABS & ARCH, BRIDGES NO.748)**

**61 LOAD TESTING DETAILS TO CRS FORM
NO.18, FOR ARCH BRIDGES.**

62 LOAD TESTING DETAILS SLAB

BRIDGES FOR KABAKAPUTTUR-KANKANADI SECTION

**63 LOAD TESTING DETAILS FOR PSC SLAB
BRIDGES FOR KABAKAPUTTUR-KANKANADI SECTION**

**64 LOAD TESTING DETAILS FOR PSC I GIRDER
BRIDGES FOR KABAKAPUTTUR-KANKANADI SECTION**

**65 FURNISHING DETAILS OF LOAD TESTING FOR
PSC SUPERSTRUCTURE NEW BG LINE**

**66 BRIDGE NO.9 AT CH.12360 CONSTRUCTED AS 9X12.2M
BETWEEN HUBLI AND MASHRIKOTI STATIONS.**

**67 FURNISHING PILE TEST LOAD DETAILS FOR
KOTTUR-HARIHAR BRIDGE.NO.9787**

**68 CHECKING DEFLECTION TEST RESULTS-
TORNAGALLU-BAYALUVADIGARI-BRIDGE.NO.204**

**69 CHECKING DEFLECTION TEST RESULTS-
TORNAGALLU-BAYALUVADIGARI-BRIDGE.NO.200**

70 CHECKING DEFLECTION TEST RESULTS-

TORNAGALLU-BAYALUVADIGARI-BRIDGE.NO.184

**71 LOAD TESTING DETAILS FOR BR.NO.770-
ARCH BRIDGE IN MYSORE-CHAMARAJNAGAR**

**72 LOAD TESTING DETAILS FOR BRIDGE NO 772/782-
MYSORE-CHAMARAJNAGAR**

**73 TEST LOAD DETAILS FOR PILE-KADUR-
CHIKMAGALUR CH:21000-22000-P5**

**74 LOAD TESTING DETAILS FOR BRIDGE AT
CH:159350, HASSAN-BANGALORE**

**75 LOAD DETAILS FOR TEST LOAD CH:1384.876-
ROB/RUB, HASSAN-BANGALORE**

**76 SAFETY CERTIFICATE, BED BLOCK @
ARAKAVATHY CH:4765**

**77 BRIDGE.NO.76-LOAD TESTING-RESULTS VERIFICATION
IN BIJAPUR-GADAG**

78 FURNISHING LOAD TESTING FOR

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79 DEVELOPING LOAD TESTING GUIDE LINES

**80 FURNISHING LOAD TESTING DETAILS FOR
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**81 FURNISHING LOAD TESTING DETAILS BRIDGE, NO
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**83 FURNISHING LOAD TESTING DETAILS FOR PSC
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2 PURCHASE OF BUREAU OF INDIAN STANDARDS CODES,

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3 CORRESPONDANCES OF BUILDING SECTION

**4 ALL CORRESPONDANCES PERTAINING TO
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**5 ALL CORRESPONDANCES WITH CONSULTANTS OF
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**6 CORRESPONDANCE WORKS FOR DESIGN STAFF
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**7 CORRESPONDANCE IN CONNECTION WITH
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**8 PURCHASE OF CODES & BOOKS PURCHASE OF
IS-264, IS-1904, IS-14268, IS-875, IS-5432, IS-2751,
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9 PURCHASE OF IS-2502, IS-12269, IS-9103, IS-9417, INDIAN INSTITUTION OF BRIDGE ENGINEERS SEMINAR BOOKS AND OTHER BOOKS VIDE LIBRARY FILE.

10 CORRESPONDANCE WORKS FOR DESIGN STAFF MATTERS, BINDING OF DESIGN PADS, DESIGNS

11 IN CONNECTION WITH CONSULTANT DESIGNS ETC. (BHOBE, STUP, JJ, ETC), -I

12 MAINTAINING OF RESEARCH DESIGNS STANDARD ORGANIZATION CIRCULARS & OLD AND NEW DESIGN RECORDS - I

13 CODES &BOOKS PURCHASE OF IRC&IS CODES PILE FOUNDATION .BY C.J. TOMLINSON. (XEROX COPY),

14 PURCHASE OF BASIC SCHEDULE OF RATES/ KARNATAKA AND OTHER BOOKS, REYNOLDS RCC DESIGN HAND BOOK.

15 CORRESPONDANCE WORKS FOR DESIGN STAFF MATTERS, BINDING -II OF DESIGN PADS, DESIGNS

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**16 IN CONNECTION WITH CONSULTANT DESIGNS
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**17 MAINTAINING OF RDSO CIRCULARS & OLD AND NEW
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**18 DELIVERING DRAWINGS TO SITE AND REMINDERS
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**19 CODES & BOOKS PURCHASE OF IRC&IS CODES AND
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**20 CORRESPONDANCE WORKS FOR DESIGN STAFF
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21 IN CONNECTION WITH CONSULTANT DESIGNS ETC.,

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26 IN CONNECTION WITH CONSULTANT DESIGNS ETC.,

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30 MAINTAINING AND UPDATING CONSULTANCY AND

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31 PURCHASE OF CODES/TEXT BOOKS FOR LIBRARY

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**33 OTHER CORRESPONDANCE WORKS FOR STAFF
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34 PURCHASE OF SOFTWARE PACKAGES (DESIGNS)

**35 CORRESPONDANCE WORKS IN CONNECTION WITH
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**36 MISCELLANEOUS AND OTHER CORRESPONDANCE
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**37 UPDATING THE OTHER CORRESPONDANCE
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38 UPDATING THE CORRECTION SLIPS & CODES,

**39 UPDATING THE ROB/RUB-PROGRESS REPORTS OF
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40 DECENTRALIZATION LETTER,

41 PROCURING RDSO/DRAWINGS,

42 SOIL PARTICULARS FROM BELLARY

43 PURCHASE OF IS CODES,783 & 458-CODES

**44 E-DOCUMENTATION-ROB/RUB-ST DRAWINGS-GAD-
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45 DEVELOPMENT OF DESIGN DATA BANK.

**46 STAAD TRAINING TO CADD CENTRE AT
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**47 PURCHASE OF NBC 2005, IS CODE, IRC & SP ETC
VIDE LR NO W.494/CE/CN/DRG. LIB/VOL. II, DT.
11-05-2007,17-05-2007,12-04-2007 AND 10-07-2007**

48 RATE ANALYSIS FOR PROOF CHECKING OF MAJOR

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49 LETTER TO RDSO FOR BRIDGE.NO.38 WITH PLATE GIRDER AS PER RDSO/B-10615,

50 GUIDE LINES IN CONNECTION WITH CHQUERED PLATES,

51 GUIDE LINES IN CONNECTION WITH RE BLOCKS, AND 3D-PRINTING CONSTRUCTION

52 WEBINARS ATTENDED: MIDAS (RCC BOX), IRICEN - COURSE NO.22248-RSI-ANALYSIS, IRICEN

53 WEBINARS ATTENDED: COURSE NO.22246- BRIDGE FAILURES,

54 IRICEN -COURSE NO.22238-RC BOX CONSTRUCTION,

55 LETTER TO ED/B&S/RDSO ON DEFLECTION OF STEEL COMPOSITE GIRDER.

56 TECHNICAL PAPER ON SL.NO.7 ON PAGES 51-59

**OF JUNE-2022 IS PUBLISHED IN IRICEN
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**57 TECHNICAL PAPER ON SL.NO.7 ON PAGES
52-59 OF DECEMBER-2022 IS PUBLISHED IN IRICEN
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**58 TECHNICAL PAPER AT SL.NO.25 OF PAGES
465-496, VOLUME 2 OF IPWE INTERNATIONAL
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**59 LETTERS TO ALL CONCERNED PERTAINING
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**60 PROCESSING FOR STAAD SOFTWARE
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**61 PROCESSING FOR MIDAS SOFTWARE
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, FOR ABOVE WORKS (1 TO 6).**

62 SEMINARS ATTENDED: PRECAUTIONS FOR

**USING BOW STRING GIRDER AS ROB SUPER
STRUCTURE BY RDSO (ON 25-07-2023) MEETING
NUMBER :25188355079.**

**63 TECHNICAL PAPERS A). PAPER AT SL.NO.5 ON
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**64 PAPER AT SL.NO.3 ON PAGES 22-29 OF
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**65 PAPER AT SL.NO.04 ON PAGES 397-446, VOLUME II OF
IPWE INTERNATIONAL TECHNICAL SEMINAR
NOV 24 & 25TH OF 2023 PROCEEDING PUNE, INDIA.**

**66 PAPER FOR MARCH 2024 ISSUE OF IRICEN HAS BEEN
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**67 CORRESPONDENCES: REPLY TO CRS/ SBC FOR
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**68 CORRESPONDENCES: PERTAINING TO COMPENDIUM
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**69 CORRESPONDENCES: DESIGN CONSULTANT
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**70 CORRESPONDENCES: MICROSOFT OFFICE 2013-
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71 CORRESPONDENCES: RTI-ACT-2005 (BRIDGES)

**72 CORRESPONDENCES: FOB (POLICY-RESEARCH
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73 CORRESPONDANCE OF ABOVE WORKS

**74 CORRESPONDANCE: SCANNING OF CAUVER
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**75 CORRESPONDANCE; NO ANNUAL RETURN OF
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**76 COMPUTER IN CHARGE FOR THE PERIOD
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**77 VERIFICATION OF JUNIOR ENGINEER/ DRAWINGS AND
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**78 EMPANELMENT OF DESIGN CONSULTANT-
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**79 PURCHASE OF SP38, SP40, SP6, IS-8041, IS-6639,
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**80 BINDING OF DESIGNS & CORRESPONDANCE WORKS
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