

1. Name, Designation & Phone:

**Dr. Yogesh D. Patil**

Associate Professor,

Civil Engineering Department,

S V National Institute of Technology, Surat.

Ph. No.: (O 0261-2201531, Mobile: 9998846518

E-mail : [ydp@amd.svnit.ac.in](mailto:ydp@amd.svnit.ac.in)



2. Age as on Date:

49

3. Name of the Host Department/

Department of Civil Engineering, S V National

Civic Authority:

Institute of Technology, Surat.

4. Field of Specialization:

RCC Beam Column Joint/Connections, Utilization of Waste Material in Concrete, Profiled Steel Deck Slab Behavior, Fiber Wrapping RCC Element

5. Academic Qualifications:

B. E. (Civil Engineering)

M. E. (Structural Engineering)

Ph. D. (Structures)

6. Technical Qualifications:

M. E. (Structural Engineering)

Ph. D. (Structures)

7. Academic/Research/

Professional Experience:

21

8. Technology Demonstration

Experience:

21

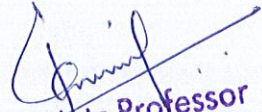
#### A) List of Publication

##### Journals-

1. Jignesh Patel, Hemant Patil, Yogesh Patil, Gaurang vesmavala, "Strength and Transport Properties of concrete with Styrene Butadiene Rubber Latex Modified Aggregate", Construction and Building Material, 195, 2019, pp 459-467.

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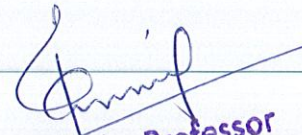
2. Jignesh Patel, Hemant Patil, Yogesh Patil, Gaurang vesmavala, "Production and performance of alkali aggregate in concrete", Journal of Building material, Aug. 2018.
3. Akshay kumar M. Bhoi, Yogesh D. Patil, Hemant S. Patil, and Madhav P. Kadam, "Feasibility Assessment of Incorporating Copper Slag as a Sand Substitute to Attain Sustainable Production Perspective in Concrete", Advances in Materials Science and Engineering, Year- Feb 2018, pp 11-17.
4. Akshaykumar M. Bhoi, Yogesh D. Patil, Hemant S. Patil, and Madhav P. Kadam, "Properties of sustainable mortar with copper slag as fine aggregate", International journal of civil engineering and technology(IJCIET), Vol. 9, Dec. 2018, pp 315-322.
5. P.D.Dhake, Yogesh D. Patil, Hemant S. Patil , "Anchorage behaviour and development length of headed bars in external beam column joint", Magazine of concrete research ,ICE publishing SCI journal, Vol- 67, 2015, pp 53-62, doi-30/06/2014.
6. P.D.Dhake, Yogesh D. Patil, Hemant S. Patil, "Role of hoops on seismic performance of reinforced concrete joints", Structures and Buildings, ICE publishing SCI journal, Vol.168, Issue SB10, 2015, pp 708-717, Doi-20/07/2015.
7. M.P.Kadam, Yogesh D. Patil, "Strength, Durability, and Micro Structural Properties of Concrete Incorporating MS and GCBA as Sand Substitute", Journal of scientific and industrial research, Vol. 76/16.
8. M.P.Kadam, Yogesh D. Patil, "Resistance to Wear, Durability and Micro Structural Properties of CBA as Sand Replacement in Mortar", International journal of earth science and Engineering, Vol- 9/1.
9. M.P.Kadam, Yogesh D. Patil, "Effect of coal bottom ash as a sand replacement on the properties of cement concrete", Magazine of concrete research, ICE publishing SCI journal, Vol 66, Issue ,2014, pp 1-8, Doi 04/09/2014.
10. M.P.Kadam, Yogesh D. Patil, "Strength, Durability, and Micro Structural Properties of Concrete Incorporating MS and GCBA as Sand Substitute", Journal of Scientific & Industrial Research, Vol 67, 2017, pp 644-653, Doi-27/12/2016.
11. Akshaykumar M. Bhoi ,Yogesh D. Patil, Hemant S. Patil, and Madhav P. Kadam, "Feasibility Assessment of Incorporating Copper Slag as a Sand Substitute to Attain Sustainable Production Perspective in Concrete", Advances in Materials Science and Engineering, 2018, Vol 11, Doi 11/02/2018.

  
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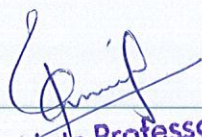
12. M V Patil, Y D Patil, "Strength and Micro Structural Properties of Copper Slag as Sand Replacement in Mortar", International journal of earth science and Engineering, Vol 10, No. 04, 2017, pp 920-923, Doi-10.21276/ijee.2017.10.0428.
13. Sharda P Siddh, Yogesh D Patil and Hemant S Patil, "Finite Element Analysis of Composite Slab with Intermediate Stiffeners", International journal of earth science and Engineering, Vol. 09, No. 0, pp 198-203, February 2016 (SCOPUS)
14. Yogesh D. Patil, Hemant S. Patil, Raju Mullapudi, "Effect of high strength concrete in beam column connection subjected to seismic loading", International journal of earth science and Engineering, Vol 03/03, pp 521-533, May 2010 (SCOPUS)
15. V. A. Arekar H. S. Patil Y. D. Patil G. R. Vesmawala, "An Investigation on Newly Developed THH Connector", International Journal of Applied Engineering Research, Vol 11, 2016, pp 1287-1292 (SCOPUS)
16. M V Patil, Y D Patil, G R Vesmawala, "Study of Copper Slag and Micro Silica effects in Concrete", International Journal of civil Engineering and Technology, Vol 07, 2016, pp 177-186 (SCOPUS)

#### Conference-

1. Akshaykumar M. Bhoi, Yogesh D. Patil, Hemant S. Patil, and Madhav P. Kadam, "Properties of sustainable mortar with copper slag at varying cement content", COAST 2019, NIT Silchar.
2. Aniket shirgaonkar, Dr. Yogesh D. patil, Dr.H. S. Patil, "Behaviour of profiled deck composite slab: state of art report", UKIERI CONCRETE CONGRESS, 5-8 March 2019, Jalandhar
3. Aniket shirgaonkar, Dr. Yogesh D. patil, Dr.H. S. Patil, "Finite element analysis of shear connectors in profiled deck composite floor", COAST-2019, NIT Silchar
4. Anand Zanwar, Dr. Yogesh D. patil, "Utilization of glass powder as a cementitious material in mortar", UKIERI CONCRETE CONGRESS, 5-8 March 2019, Jalandhar
5. Dipak Nathe, Dr. Y. D. Patil, "Assessment of residual strength of normal concrete at elevated temperatures after hot and normal water quenching", UKIERI CONCRETE CONGRESS, 5-8 March 2019, Jalandhar
6. Bhagyashri Sarde, Dr. Y. D. Patil, "Recent Research Status on Polymer Composite Used in Concrete- An Overview", ICMPC 2019, Hydrabad
7. Aniket shirgaonkar, Dr. Yogesh D. patil, Dr.H. S. Patil, "Finite element analysis of profiled deck composite slab using ANSYS", TRACE 2018, Amity, Noida

  
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8. Anand Zanwar, Dr. Yogesh D. patil, "Enhancement of sustainable mortar by using fine waste glass powder", TRACE 2018, Amity, Noida
9. Dipak Nathe, Dr. Y. D. Patil, "Performance of normal concrete at elevated temperatures after air cooling", SEC 2018, Calcutta
10. Vishal A. Arekar, Yogesh D. Patil, H.S.Patil, "Developed of new connector of double layered space grid Recent trends in engineering and material sciences", Elsevier, 2016, Vol. 08, pp. 525-528.
11. Yogesh D. Patil, H.S.Patil, "Effect of high strength concrete in beam column connection subjected to seismic loading", International conference on innovation world of structural engineering, 2010, Aurangabad
12. Hemant.S.Patil, N.K.AppalaRaju Mulllapudi, Yogesh D. Patil, "Parametric study of reinforcement interior framed joints subjected to seismic loads", 9th Canadian conference on earthquake engineering, 2007, Canada
13. P.D.Dhake, Hemant S. Patil, Yogesh D. Patil, "Behaviour of exterior beam column joints with diagonal cross bars and headed bar", International conference on engineering (NUicone-2013), Nirma University, Ahmedabad
14. Sharda P. Siddh, Yogesh D. Patil, Hemant S. Patil, "FE analysis of profiled steel deck with intermediate stiffeners", International conference on engineering (NUicone-2013), Nirma University, Ahmedabad
15. M.P.Kadam, Yogesh D. Patil, Hemant S. Patil, "Effect of sieved coal bottom ash (SCBA) as sand replacement on properties of concrete with different W/C ratio", International conference on engineering (NUicone-2013), Nirma University, Ahmedabad
16. S.M.Kulkarni, Yogesh D. Patil, "A novel reinforcement pattern for exterior reinforcement concrete beam column joint", International conference on engineering (NUicone-2012), Nirma University Ahmedabad.
17. P.D.Dhake, Hemant S. Patil, Yogesh D. Patil, "Investigation of bond slip and bond stress of ribbed bars in pull out specimen", 8th biennial conference on structural engineering convention SEC 2012, pp 622-628.
18. P.D.Dhake, Hemant S. Patil, Yogesh D. Patil, "Advanced reinforcement patterns in RC external beam-column joint subjected to cyclic loading", 8th biennial conference on structural engineering convention, SEC 2012, pp 641-649.

  
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19. Atul A.Purani, Yogesh D. Patil, "An experimental study of concrete properties with copper slag as fine aggregate", 8th biennial conference on structural engineering convention, SEC 2012, pp 218-226.
20. Sharda P. Siddh, Yogesh D. Patil, Hemant S. Patil, "Study of composite slab by using profiled steel-sheet state of art", 8th biennial conference on structural engineering convention, SEC 2012, pp 353-360.
21. M.P.Kadam, Yogesh D. Patil, "Effect of coal bottom ash as sand replacement on the properties of concrete", 8th biennial conference on structural engineering convention SEC 2012, pp 245-251.

#### **B) Thesis Supervision**

##### **a) Ph.D. awarded**

1. Anchorage Strength and Behaviour of Headed Bars in Exterior Beam Column Joint
2. Effect of Coal Bottom Ash Sand Replacement on Properties of Concrete
3. Use of Sugarcane bagasse ash waste for sustainable development of cementitious system
4. Development and Study of Space Structure Connectors for Double Layer Grid
5. Experimental Studies On Behaviour of Profiled Deck Composite Slab Subjected to Static Loading
6. Advanced Reinforced Pattern for Reinforced Concrete Exterior Beam-Column Joint Subjected to Seismic Loading
7. Experimental Study on Utilization of Industrial Waste
8. Mechanical anchorage in exterior beam column joint subjected to cyclic loading
9. Properties of sustainable concrete incorporating copper slag as a sand replacement
10. Experimental Study on Strength and Durability Properties of concrete containing cold bonded lightweight aggregates made by activators.

##### **b) Ph.D. work in progress**

1. Utilization potential of PET polymer in concrete
2. Effect of elevated temperatures on properties of concrete incorporating copper slag and coal bottom ash as replacement of natural fine aggregates
3. Structural behaviour of profiled deck composite slab with basalt fiber and new types of shear connectors subjected to monolithic loading
4. Performance of cement mortar containing fine glass powder as replacement of cement at elevated temperatures.
5. Enhancement of sustainability in mortar by using fine waste glass powder (Work in progress)

6. Unsaturated polyester resin prepared from recycled pet used as binder in polymer concrete (Work in progress)

c) **Dissertation supervision (M. Tech.) (internal/ external)**

1. Seismic Design of a Ductile R.C.C Frame Using Indian And New Zealand Code Practice
2. Experimental Study On Effectiveness of Stirrups and Steel Fibers as Shear Reinforcement
3. Parametric Study of Reinforced Concrete Exterior Framed Joints by Finite Element Analysis
4. A Study of Reinforced Concrete Beam Column Connections Subjected to Monotonic Loading
5. A Study of Concrete Rectangular Column Wrapped with GFRP
6. Comparative Study on Design of Buildings By Using New IS : 800 (2007) And Old IS : 800 (1984)
7. Prediction and Performance of Multipored Structure with Respect to conventional and Equal Settlement Criteria's for Foundation
8. An experimental study of concrete properties with bottom ash and copper slag as fine aggregate
9. Seismic Assessment of Buried Pipeline Under Fault Movements
10. Behaviour of an End Flattened Space Frame Connector A Parametric Study
11. Fracture and Fatigue Analysis of Steel Beam Column Joint Using 3D Finite Element Method
12. Behaviour of Steel Fibre Reinforced Concrete Pavement Slab on Sand Subgrade
13. Parametric Study of Multi-Flue Tall R.C. Chimneys
14. Effect of Headed Bars on Anchorage Strength in Pull-out Test
15. An Experimental Study on Mechanical Properties of Concrete by Using Basalt and Glass Fibre
16. A Study on Behaviour of Steel Fibre Reinforced Concrete Slabs on Different Subgrade Soils Using Numerical Analysis
17. Seismic Design of Exterior Reinforced Concrete Beam-Column Joint with "C" Shaped Steel Box
18. Effect of Irregularity On Reinforced Concrete Structure
19. A Study on Behaviour of Steel Fibre Reinforced Concrete Slabs on Soft Clay with Geo Synthetic Reinforcements using Numerical Analysis

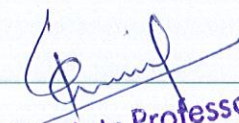
C) **Consultancy project (organizations)**

1. Ex. Engg., Slum Upgradation Department, Surat Municipal Corporation, Surat.
2. Ex. Engg., Bridge Cell, Surat Municipal Corporation, Surat.
3. Ex. Engg., Drainage Department Surat Municipal Corporation, Surat.
4. Ex. Engg., Hydraulic Department, Surat Municipal Corporation, Surat.

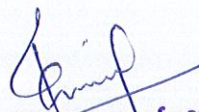
5. Ex. Engg.. PWD, WD-II, Diu.
6. Military Engineering Service.
7. IRCON International Ltd.
8. Rail Vikas Nigam Ltd. (RVNL)
9. Rajasthan state road development & Construction Corporation Limited.
10. R & B Department,
11. Surat Urban development Authority
12. SE, Project Implementation Unit (Zone-7), New Civil Hospital Campus, Surat.
13. Registrar, Veer Narmad South Gujarat University, Surat.
14. Addl.DG (Engg), Prashar Bharati, All India radio Doordarshan New Delhi.
15. Geo Designs and Research (P) Ltd, Vadodara.
16. Rajdeep Electricals Pvt Ltd, Ahmedabad.
17. Elsamex Maintenance Service Limited, Gandhinagar.
18. Strength Engineering Services Pvt Ltd, Jaipur.
19. Thoughts Consultants, Jaipur.

#### **D) Consultancy project list**

1. Construction of 208 dwelling units for urban poor under Chief Minister (Gruh) Scheme at TPS No. 2 (Vesu - Bharthana) FP No. 214 (Package - 2)
2. Tower visit visual inspection assessment report and possible Recommendation to Restore strength and analysis (Rs.10,000,00 x 4 Towers at Allahabad,Agra, Mussoorie& Jammu.
3. Consultancy Charges for proof checking Service for structural Design & Drawing. Project Various drawings of ROB / RFO (1) ROB 6 (2) ROB Ringus (3) ROB Kishan Garh (4) ROB Sendra (5) RFO-2 (6) RFO-3 only Box structure

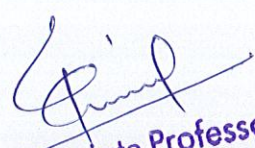
  
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4. Third Party Inspection Service Construction of 720 dwelling units (EWS-II under Pradhan Mantri Awas yojana (PMAY) scheme at TP No 25 (Mota Varachha) FP-165
5. Examining of existing TV Towers for General Maintenance/Repairs and additional load of Band TC DTT Antena at Nagpur & Puna.
6. Proof checking consultancy services for the construction of 02 no. of 45 MLD capacities Radial Collection Well (French Well) with approach bridge works at TP no. 22, FP NO. 82-83, Sarthana – Valak- Surat
7. Proof Checking Consultancy Service for The Project of Development of Koyli Khadi Including Remodeling and Restructuring in Surat City
8. Third Party Independence Design Audit Proof Checking for the designs of Bridge and Structures with a Span of 15 m more including Design of Formworks
9. Examination of Existing TV Towers at Pune and Nagpur for Additional Load
10. Structural Integrity Analysis of Elevated Flare Structure ONGC.
11. Proof Checking of structural drawings of proposed new hostel blocks building at central university of Haryana.
12. Professional Advice Guidance on the structural design, drawings and works under Jodhpur Development Authority, (Road, Bridge, Retaining wall, RE Wall, super structure, sub structure, culverts, VUP, PUP, LHS, Plan-Profile, etc.) (Elevated road from Krishi Mandi Circle to Akhaliya Circle Via Sojati Gate In Jodhpur.
13. Proof checking of design and drawing of construction of bridge over river Banas of Gahlod Ghat on Tonk Gahlod Janwali Naner Road (MDR-205) (Chainage 3/0 to 5/0) in district Tonk
14. Proof checking work for construction of road over bridge and approaches of ROB in lieu of LC 32 at km 272/5-6 in Phulera-Madar section on Kishangarh-Ajmer road.
15. Design audit and vetting of structures for the project entitled as “Construction of interchange cum road over bridge (ROB) at LC 236 (Kutch Salt Junction) on NH 141 (Phase – II) in the state of Gujarat under EPC mode.
16. Proof checking of Design and drawing of construction of underpass and other works at Aerodrom circle Kota Proof checking of Design and drawing of various ROB bridges in Rajasthan

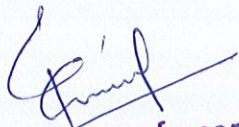
  
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17. Construction of Elvated Road in front of city mall Jhalawar Road Kota, Construction of Flyover at Anantpura Tri-junction on Jhallawar Road Kota (3) Construction of Underpass & other civil works at Gobaria Bawdi Circle, Kota
18. Proof checking of structural design for the various small bridged, at Porbandar 1) Bokhira village culvert 1,2,3 Bridge near workshop, Bridge Khodiyar Mandir, Bridge near Marine Police, Bridge near Bapa sitaram, Deck bridge
19. Proof checking services for various ROB's at Palaghar (1) Construction of Railway Over Bridge in lieu of L.C. 55 at KM 143.00, on Western Railway Line on Chinchani Vangaon Ashagad Ambesari Road, SH-75 at Km. 8/200 Tal. Dahanu Dist. Palghar (2) Construction of Road Over Bridge in lieu of L.C.No. 60 at DFC Km 166 /
20. 364.17 of western railway in between Dahanu Road and Gholwad Railway station on Village road Chikhale to Narlipada connecting to MSH-4 and MDR 6 Tal. Dahanu, Dist. Palghar (3) Construction of Railway Over Bridge in Lieu of L.C.64 of Gholwad Road between block Gholwad to Umergaon, Name of Road Bordi phata to Talasari M.D.R. No.3 at ch.2/200 Tal. Talasari Dist. Palghar
21. Proof checking of Design and drawing of Bridge No. 21 (Down Line) for Rewari – Manheru section, Bikaner Division, NWR i.c.w doubling and electrification of Rewari – Hissar Route of Bikaner Division of North Western Railway in State of Haryana
22. Proof checking consultancy services for the work of Construction for major Bridge across River Tapi Near Village Valak on Outer Ring Road section at Surat on EPC Basis
23. Proof checking of design and Drawing of various ROB Bridges in Rajasthan (1) Consultancy services for Construction of 2 Lane ROB at km 172/990 on NH 65 on Jodhpur Ajmer Road at LC C 64 Nagaur District in Rajasthan (Only one nos. sub structure and foundation of railway standard span) (2) Consultancy services for Construction of 2 Lane ROB on Talera – K Patan Road MDR –
24. 204 at LC C 116 K Patan Bundi District Rajasthan (Super structure, sub structure & foundation for RCC Span 22.5m, PSC Span 35.0 m & RCC Solid Slab 12.28m) (3) Consultancy services for Construction of 2 Lane ROB at km 1/0 on H-709E on Rajgarh Pilani road LC A 142 near Sadulpur Railway Station in Rajasthan (Only one nos sub structure and foundation of railway standard span).

25. Proofchecking of design and drawing for the consturction of two (02) Lane ROB (Railway Portion and Apporches at LC No.44 (Gulab Bari), Ajmer
26. Proof checking of design and drwing for construction of new bye pass road (km 0.0 to 9.365) around Savarkundala town on Amreli Savarkundla -Rajula Jafrabad Road in lieu of I R K m 54/9 to 55/0 between Savarkundala and Jira Road station of Mahuva Dhola section of Bhavnagar division of western railway
27. Prof checking & vetting for doubling of various Minor bridges of existing railway line between katni -singrauli for - 261 km long of west centre railway. (1) Up to 6 m span (single cell box culvert) (2) Up to 2 m span (double cell box culvert)
28. Proof checking of design and drawing for the construction Six Lanning of Kamrej-Chalthan Section of NH-8 from 248.100 to km 264.350 including long term remedial measures for 4 black spots in Kamrej Bharuch Section of NH-8 in steh state of Gujarat on EPC Mode under NHDP Phase - V
29. Proof checking work for construction of 2 lane ROB and approaches in between existing level crossing no. 56 & 57 on Bandikui Agra Railway track on Nadbai Bypass road in Bharatpur in the state of Rajasthan
30. Proof checking work for construction of 4 Lanes ROB and approaches at Railway Chainage km - 415/4-5 on SH - 60 km - 159 (Near Peer Pahadi) to SH - 7D km 110 (Rehman Gate) Via Baliya - Ramansa Bas (MDR-220)
31. Proof checking work for construction of 2 Lane of ROB and its approaches in lieu of Existing level crossing No.C- 61 at km 165/550 on NH-89 in the state of Rajasthan on EPC Mode
32. Providing Consultancy services regarding supervision,inspection and analysis of initial load test for construction of ROB near Surat Railway Station Surat & Udhna across Surat Mumbai Railway Line near RC No.445,Surat on EPC basis.
33. Extension Work order to additional bridge for third party independence design audit for the designs of bridges and structures with a span of 15 m or more ,including design of form works at Bidar Humanbad section of NH-50 in the state of karnataka (twin box cell culvert CH 77+918,2\*10)

  
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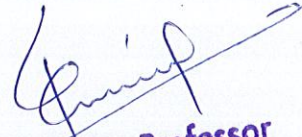
34. Third Party Independence Design audit of VUP at CH 239+050,251+465 and 263+445, Proof Checking for Design and Drawing of Railway over bridge in lieu of LC 156A railway km 130/9-131/10
35. Third Party Independence Design audit Proof Checking For the designs of Bridge and Structures with a Span of 15 m more including Design of Formworks, Proof Checking work For Construction of ROB at LC 88 on Jawai Bandhi Balawana Bisalpur Road Near Balawana.
36. Proof checking of structure design and drawing for the construction of Depo/ workshop at Surendranagar. Proof checking of structure design and drawing for the construction of New bus stand at Kalyanpur, Jamnagar division.
37. Proof checking of structure design and drawing for the construction of GSRTC Bus Stand at Morvahdaf, Dhanpur, Sanjeli, Rajkot, Dwarka, Rapar Depot
38. Proof checking service of design and drawing for the construction of high rise residential buildings, EWS-I\_448 house (parking + 14 floors), EWS-II-448, house (parking + 14 floors), under PMAY at TPS No. 30 (Vankla), FP 124Paikie - A at Vankala, Dist -Surat.
39. Proof checking of consultancy services for 5080 various EWS-II projects under PMAY scheme. Proof checking of consultancy services for 5484 various EWS-II projects under PMAY scheme.
40. Professional Advice and Guidance on the Structural Modelling, Analysis, Design, Drawing and following works under at CE (CG) GOA (1) Provn of Deficient MD Accn at CE Enclave Okha under GE 1 C G Pornader-Type II & II Quarters (2) Married accommodation for Officers, EPS, MES, Personnel & Transit Accn at CGRA Naliya under AGE I CG Jakhau (3) Indoor badminton court and construction of coast guard MT Pool at ICGS Vadinar under GE I CG Porbandar (4) Library building and reading room at 20 acres at Inaz Village ICEGATE Veraval (5) Provision of MES Inspection Bungalow at ICGS Okha
41. Professional Advice and Guidance on the Strutral modelling, Analysis, Design, Drawing and following works under at CE (Army) Jaipur (1) Consultancy services for preparation of structural drawing for provn of OTM Accn for Div Engr Regt (PH-1 of Two Phase) At MIL STN Kota (2) Consultancy services for preparation of structural drawing for provn of OTM Accn for Div Engr Regt (PH-1 of Two Phase) At MIL STN Jaipur

  
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42. Carrying out structural assessment of various building at Ahmedabad (Residential Quarters Pragatinagar) (Income Tax and Central Excise) & AG Colony Shastrinagar
43. Professional Advice and Guidance on the structural modelling, analysis, design , drawings and following works under Chief Engineer Navy Mumbai Zone (Provision of Deficient in Living officers accommodation including Admin and Associated Mess Facilities by demolition of existing building at WNC (O) Mess at Colaba, Mumbai
44. Consultancy services to ascertain the stability of various buildings at CPF Gandhar, CTF, Ankleshwar, MPH and at Olpad GGS of Ankleshwar Asset (Administrative Building & Training Cell, Central Control Room, Electrical store / Office (EIL Building), Substation 1, 2, 3 & MCC - 022, CCPP Control Room & Switchyard, Water Injection control Room, ETP-2 Control Room, WWTP Pump House, CISF Office Building, Canteen, LPG Main Office, Mechanical LPG Office and store room, LPG Electrical Panel room & Control Room, Sore 1 and 2, GPL Electrical office , Fire station, LPG, Pump House, Main office Building, ETP Administrative office, ETP Generator Room, Panel Room and Panel Room Office, Office building GCS Olpad, MPH Building, D D Plant
45. Proof consultancy services for construction of sewerage system of Bhubaneswar sewerage district-II on EPC mode.
46. Proof checking of designs, drawings, calculations of construction of sewerage system of Bhubaneswar district-IV of Bhubaneswar city Orissa, Proof consultancy services for construction of sewerage system of Bhubaneswar sewerage district-I on EPC mode.
47. Proof checking of various components of water supply scheme at Gohparu, Shahdol Madhyapradesh [Anicut or wier (1 Nos), Intake well and approach bridge (1 Nos), Water Treatment Plant (1 Nos), Master Balancing Reservoir (1 Nos), Transmission Line Hydraulics, structure Design of ESRs (19 Nos), Structure Design of Sumps (2 Nos), Distribution Network Hydraulics (36 Villages)]

**E) Courses Taught (Post Graduate/Under Graduate Level)**

1. Design of Steel Structure
2. Design of Earthquake Resistance Structure
3. Engineering Mechanics
4. Strength of Material
5. Advance Design of Concrete Structures(ADCS)

  
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**F) Sponsored Project Undertaken**

Sr. no.	Title of project	Sponsored agency	Period
1	Prediction of performance exterior beam-column connection with headed bars subject to load reversal	INSTITUTE MHRD FUND	Completed
2	Behaviour of reinforced concrete beam column connection under seismic loading	TEQIP/R&D/AMD/MHRD	Completed

**G) National/ International Conference organized as Chairman / Secretary**

Sr. No.	Title of the Event	Period		Organized at	Sponsored by	Role (In capacity of)
		From	To			
1.	Structural engineering convention (SEC-2012)	19/12/2012	21/12/2012	SVNIT, Surat	AMD, SVNIT	Secretary
2.	Advances In Steel Structures (ADSS), Analysis, Design And Construction	25/11/2011	26/11/2011	SVNIT, Surat	AMD, SVNIT	Chairman (Coordinator)

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