

**T. PRAKASH**  
**M.TECH (STRUCTURAL ENGG)**  
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Mumbai - India



**Seeking assignment in Structural Design & Detailed Engineering with an organization of global repute to utilize 5.8 years' experience and excellent technical & interpersonal skills.**

### **Synopsis**

- ⇒ Currently designated as **Structural Engineer** with **Fortress Infrastructure Advisory Services**, Mumbai.
- ⇒ A result oriented professional with **5.8 years'** experience in various Structural Design and Detailed Engineering for Water projects.
- ⇒ Adept at conducting modelling & analysis of structure, designing and detailing structural components.
- ⇒ Deft at latest finite element analysis software such as **STAAD-Pro**.
- ⇒ Ensuring compliance to various quality standards such as **Indian** Standards and maintaining all related documents as per **ISO** system.
- ⇒ Competent in standardization and integration of design and its documentation.
- ⇒ Excellent presentation skills with incessant quest for knowledge sharing

### **Organizational Experience**

**Fortress Infrastructure Advisory      Senior Structural Engineer**  
**Services, Mumbai (India)**

**Since Sep'16**

#### **OPERATING WORKS**

- ♦ **DESIGN AND BUILD THE INFRASTRUCTURE WORKS FOR ROADS, DRAINS, CULVERTS, MINOR BRIDGES, WATER SUPPLY, SEWERAGE, POWER SYSTEM FOR PHASE-I IN SHENDRA-BIDKIN INDUSTRIAL AREA, (PACKAGE 1), AURANGABAD**

**Client: - AITL - Aurangabad Industrial Township Limited. (DMIC Project)**

**EPC Contractor: - Shapoorji Pallonji & Company Pvt. Ltd.**

List of buildings/Structures designed are

- Under Ground Potable Pump House
- Under Ground Recycle Pump House
- Manholes
- Elevated Service Reservoir - Potable
- Thrust Blocks
- Box Drains (Vehicular & Non-Vehicular)
- Electrical Substation (5 Nos)
- Compound Wall

♦ **DESIGN AND CONSTRUCTION OF INFRASTRUCTURE WORKS FOR INTEGRATED INDUSTRIAL TOWNSHIP, NOIDA**

**Client: - IITGNL - Integrated Industrial Township Greater Noida LTD.  
(DMICDC & GNIDA)**

**EPC Contractor: - Shapoorji Pallonji & Company Pvt. Ltd.**

List of building/Structures designed are

- Elevated Service Reservoir - Potable
- Staff Quarters
- Valve Chambers
- Box Culvert (Vehicular & Non-Vehicular)
- Thrust Blocks
- Manholes

♦ **REHABILITATION AND UP-GRADATION OF MANJARSUMBHA (DESIGN KM 137+300/EXISTING KM 45+877 OF OLD SH56) TO CHUMBHALI PHATA (DESIGN KM 169+467/EXISTING KM 13+689 OF OLD SH56) OF NH 548 D (OLD SH 56) TO TWO LANE WITH PAVED SHOULDER CONFIGURATION IN THE STATE OF MAHARASHTRA**

**Client: - Maharashtra State Road Development Corporation Ltd. Mumbai  
(MSRDC)**

**EPC Contractor: - Hule Construction Pvt. Ltd.**

List of building/Structures designed are

- Pipe Culverts
- Minor Bridges
- Utility Ducts Chamber
- Toe Wall
- Dormitory
- Kiosks
- Bus Shelter
- AC Restaurant
- Retaining Walls (Up to 14m Ht.)
- Dhaba
- Traffic and Medical Aid Building

♦ **PROPOSED RIVERFRONT DEVELOPMENT, INDORE.**

**Client: - Indore Smart City Development Ltd. Indore (ISCDL)**

List of building/Structures designed are

- Valve Chamber
- Retaining Walls
- Box Culvert
- Water Fountain
- Boundary Wall
- Stone Pitching
- Ramp
- Staircase

- ♦ **REHABILITATION AND UP-GRADATION OF IMPROVEMENT TO PALDHI AMALNE BETAWAD SHINDKHEDA DONDAICHA ROAD SH - 6 KM. 59/610 TO 115/950, (BETAWAD TO DHAYDE) (L: 49.65 KM) IN THE STATE OF MAHARASHTRA ON HYBRID ANNUITY MODE.**

**Client: - PWD – Public Works Department (Government of Maharashtra, India.)**

- Design of Box Culvert
- Design of Pipe Culvert
- Design of Drain

- ♦ **UNDERGROUND DRAINAGE SCHEME FOR AHMEDNAGAR MUNICIPAL CORPORATION AREA UNDER AMRUT MISSION.**

**Client: - Ahmednagar Municipal Corporation, Ahmednagar.**

List of building/Structures designed are

- Manholes
- Boundary Wall
- Sequential Batch Reactor (SBR)
- Sewage Pumping Station-II
- Raw Sewage Pumping Station-III
- Admin Building
- Chlorine Contact Tank
- Chlorination cum Chlorine Tonner House

**Larsen & Toubro Limited  
ECC Division, Chennai (India)**

**Senior Design Engineer**

**Dec'12-May'16**

### **OPERATING WORKS**

- ♦ **RPCL – 2X800 MW YERMARS THERMAL POWER STATION, KARNATAKA**

List of buildings/Structures designed are

- Clarified Water Pump House
- Centrifuge Building
- Micro Filtration Building Compressor Room, PLC Room & Lab
- MF Recirculation Building
- Sludge Thickener
- Central Monitoring Basin (CMB)
- STP Area (Sewage Treatment Plant)
  - Equalisation Tank
  - MBBR Tank
  - Sludge Holding Tank
  - Clarified Water Tank
  - Treated Water Tank
  - O&GT Tank
  - BSC Tank
- Pipe Line Works for PTP and AWRS Areas
  - Thrust Blocks
  - Valve Chambers
  - Pipe Encasements
  - Pedestals (for Pumps and Pipes)
- Cable Racks for PTP and AWRS Areas
- Roads & Storm Water Designs

♦ **PDA – 40 MLD COMMON EFFLUENT TREATMENT PLANT, LUDHIANA, PUNJAB**

List of building/Structures designed are

- Biological Sludge Thickener
- Dewatering Building

♦ **GUJARAT INDUSTRIAL DEVELOPMENT CORPORATION (GIDC)- 25 & 50MGD**

- Score Valve Chamber
- Air Valve Chamber
- Butterfly Valve Chamber

♦ **SAGARDIGHI THERMAL POWER PROJECT UNIT - 3 & 4 (2 X 500 MW) PHASE – II PLANT WATER SYSTEM (SGPWS-2)**

- Cable Rack from RWPH to WTP / DM PLANT

♦ **NMDC - EARTHEN RESERVOIR, RWPH AND MAKEUP & DRINKING WATER TREATMENT & DISTRIBUTION SYSTEM (PACKAGE NO.: 017-01)**

List of building/Structures designed are

- Cascade Aerator
- Electrical Building Cum Control Room
- Design of Thrust Blocks

♦ **NAROL TEXTILE INFRASTRUCTURE & ENVIRO MANAGEMENT – 100 MLD COMMON EFFLUENT TRETMENT PLANT**

- Pipe and Cable Rack For Chemical Dosing Building

♦ **Mohanpura Project Left Bank Lift System in Tehsil and District Rajgarh (M.P.)**

- Thrust Blocks

♦ **Mega Lift Irrigation Project Cluster No. – III (Odisha)**

- Control Room at all MSDSS Locations (MSDSS 1 to 11)
- Support Structures & Foundations for 6.6kV DSS

**ESTIMATING BILL OF QUANTITIES FOR FOLLOWING TENDER WORKS**

⇒ Prepared the BOQ/Write up for various tenders, completed the work generating the required deliverables within the stipulated time period. Some of the prospective tenders are

- 16 MLD Common Effluent Treatment Plant (CETP) at Barhi, HARYANA
- 22.5 MLD CETP at IMT BAWAL Phase I to IV
- RWTP FOR DAHEJ Petrochemical Complex at DAHEJ
- CETP For HSIIDC at IMT Manesar 15 to 30 MLD
- CETP For HSIIDC at IMT Manesar 25 MLD
- MIDC - Centralized Water Supply Scheme for Shendra & Jalna from New Jackwell at Paithan (Jayakwadi Dam)

- NMDC Intake well package, Nagarnar, Chattisgarh
- NMDC Water Supply Package, Nagarnar, Chattisgarh
- NTPC LARA Make-up Water Pipes Package
- ONGC Uran ETP Modernization
- OPEL/EIL RWTP Plant
- 40 MLD Common Effluent Treatment Plant, LUDHIANA, Punjab
- RRVUNL, River Water System for Chhabra Thermal Power Station
- SAUNI Yojna Link 1, Package 1, 2 & 3
- SAUNI Yojna Link 2, Package 1, 2 & 3
- SAUNI Yojna Link 3, Package 1, 2 & 3
- SAUNI Yojna Link 4, Package 1, 2 & 3
- IOCL - Installation of RO Plant at Gujarat Refinery – Vadodara
- GIDC - 40 MLD CETP AT DAHEJ
- NMDC-Plant Storm Water drainage & Sewerage Lines Network
- 12.3 MLD CETP – Sanganer – Jaipur
- HUDA Panipat – 21MLD CETP
- NMDC – Sewage Treatment Plant, Package No. 36, Chhattisgarh
- HSIIDC BAHADURGARH– 12.5 MLD
- Electro-Mechanical Works for Additional Reservoir (KBR - 2) at Vizag Steel Plant (Raw Water Treatment Plant)
- Revival of Ramagundam Fertilizer Complex - Water Block Package
- Lift Irrigation Pipeline from Dhadhusan to Dharoi Canal Near Red Laxmipura
- Lift Irrigation Pipeline from Piyaj to Dharoi Canal Near Unad
- Primary Treatment Works at Dehra (Ghaziabad) & 210 MLD (OUTPUT Capacity) Water Treatment Plant

#### **Key Responsibilities:**

- Adopting the suitable structural system.
- Conducting the 3D modelling & analysis of structure Using STAAD Pro.
- Designing & detailing of structural components.
- Checking the design drawings.
- Coordinating with other disciplines.
- Reply to the comments received from Client's Consultant.
- Ductile detailing done as per Indian Standard IS13920.
- Checking the bill of quantities.
- Preparing design calculations and getting approval for the same.

#### **Software Skills**

Analysis	:	STAAD-Pro.
Office	:	MS Excel, Word, Power Point
Platforms	:	Microsoft Windows 10 Pro, Vista & XP
AutoCAD	:	2D Drafting, 3D Modelling

## Familiar Codes of Practice

Conversant with Indian codes such as:

- Indian: IS456, IS875, IS1893, IS13920, IS3370, IS1343, IS800, IS808, SP16, SP34, IRC-6, IRC-112.

## Academia

M. Tech. Structural	<b>BS Abdur Rahman University</b> (Formerly Crescent Engineering College) <b>Chennai (India)</b>	2010-2012 <b>First Class</b>
B. E. Civil Engineering	<b>Mohamed Sathak Engg College</b> <b>Kilakarai (India)</b>	2006-2010 <b>First Class</b>
Higher Secondary Certificate	<b>Syed Ammal Higher Secondary School</b> <b>Ramanathapuram (India)</b>	March 2006 <b>70%</b>
SSLC	<b>Schwartz Higher Secondary School</b> <b>Ramanathapuram (India)</b>	March 2004 <b>90.60%</b>

### Additional Contributions:

- ⇒ School 1<sup>st</sup> in SSLC Examination.
- ⇒ Centum scorer in SSLC Mathematics.
- ⇒ Won prizes in Quiz
- ⇒ I got more certificates in School and College.
- ⇒ Won Student of the year on 2004.
- ⇒ Participated in school level Debate and Essay competitions.
- ⇒ Attended ISO training program.

## Extra Curricular Activities

- Acted as Representative of Students from the Year 2000 – 2004, Schwartz Hr. Sec. School, Ramanathapuram.
- Diploma in Computer Applications – Sitech Computer Education 2006-2007

## References

### **G Dhanasekaran**

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## Personal Details

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