

**PROFILE**

**OF**

**DR. V. BALAKUMAR**

STRUCTURAL AND  
GEOTECHNICAL CONSULTANT  
CHENNAI

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## BIO DATA

Name : V.BALAKUMAR

Date of Birth : 10.02.1948

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### EDUCATIONAL QUALIFICATION :

<u>DEGREE</u>	<u>SUBJECT</u>	<u>YEAR OF PASSING</u>	<u>UNIVERSITY</u>
B.Sc.	Physics	1967	Madras
B.Tech.	Civil Engineering	1970	I.I.T. Madras
M.Sc. (Engg.)	Civil Engineering (Soil Mechanics and Foundation Engineering as Area of Specialisation)	1972	Madras
Ph.D.	Civil Engineering - Soil Mechanic Foundation Engineering - Piled Raft on Sand	2008	Anna University, Chennai

### PROFESSIONAL EXPERIENCE :

<u>PERIOD</u>	<u>ORGANISATION</u>	<u>RESPONSIBILITIES</u>
1972 - 1975	M/s. Simplex Concrete Piles (I) Ltd., Madras	Assistant Engineer-Incharge of Various Piling Sites and Design of Pile Foundation
1975 - 1976	M/s. Unitech Technical Consultants (P) Ltd., Madras	Senior Engineer-Incharge of Soil Investigation, Lab and Preparation of Reports
1976 - 1977	M/s. E.C.C. Madras	In Design Office as Geotechnical Engineer and at Site s Planning Engineer
1977 - 1981	M/s. Corromandel Engineering Company LTD., Madras	As Incharge of Designs and Piling Division - Design Tendering and Project Management

<u>PERIOD</u>	<u>ORGANISATION</u>	<u>RESPONSIBILITIES</u>
1981 - 1983	M/s. Nagadi Consultants	As Chief Design Engineer - Preparation of Scope for Soil Investigation, Lab Testing and Reporting
1983 - 1986	M/s. Alacrity Foundation Madras	As Manager Designs. Had Designed Various Apartment Buildings in Madras
1986 - 2008	On my own as Consultants in Structural and Geotechnical Engineering	
2008 Onwards	M/s. Simplex Infrastructures Limited	As Senior Consultant

Some of the Important Projects carried out by me, during my Career days are listed below:

1. Piling for Various Structures in Cochin Shipyard
2. Piling for Various Structures in Tuticorin Shipyard
3. Soil Investigation for G.C.D.A. Cochin, N.A.L.C.O., Angul (Orissa), Cement Plants in Andhra Pradesh etc.
4. Piling for I.F.F.C.O. Phase-II Expansion Programme
5. Circulation Water System, Structure for External Coal Handling System, Indore Switchyard etc.

#### **MEMBERSHIPS :**

1. Fellow, Indian Geotechnical Society and International Society of Soil Mechanics & Geotechnical Engineering.
2. South East Asian Geotechnical Society
3. Member, Institute of Engineers

## **SERVICES OFFERED**

- I     1. Designing the Scope for Soil Investigations  
      2. Review of Report for Acceptance  
      3. Design of Foundation Structure, Preparation of BOQ and Specification  
      4. Assist in Evaluation of Tender
  
- II    Design of any type of RCC Structures and Prestressed Concrete, Analysis & Design of Deep Foundation and Earth Structures including Deep Excavations.
  
- III   Design of Steel Structures, Preparation of Design Drawings.
  
- IV   Proof Checking & Certification of Designs

**SPECIALITY STRUCTURES:**

ARCHITECT	TYPE OF STRUCTURE / LOCATION	CLIENT
M/s. Gheri Eastern, Chennai	MRTS Railway Station at Velachery	MRTS Chennai
M/s. Madhava Raju & Associates, Chennai	I.T.Park at V.N.Road, T.Nagar, Chennai-17 (Preliminary Design Completed)	Dr.Baskaran
M/s.C.R.Narayana Rao Consultant, Chennai	Fuel Loading Facility and Other Structures	ISRO Sriharikota
Srinivasa Enterprises	Mall at OMR (Under Construction)	BSR Builders
A.Chakarapani & Sons	IT Park at Siruseri ( 7 Storeyed with PT Slab)	AIRTEL
A.Chakarapani & Sons	Scheme & Basic Design for IT Park (10Storeyed) at Poonamallee High Road, Chennai	Viswakarma & Group

## LIST OF JOBS CARRIED OUT

### 1. RESIDENTIAL APARTMENTS :

ARCHITECT	TYPE OF STRUCTURE / LOCATION	CLIENT
M/s. Alacrity Foundation Ltd.,	G+3 Residential at various locations in Madras	Alacrity Foundation
M/s. Vijaya Shanthi Builders	G+9 Flats and G+3 Residential at various locations in Madras	M/s. Vijaya Shanthi
M/s. Doshi Developments, Madras	G+3 Residential at various locations in Madras, G+9 Aparments Complex	M/s. Doshi Developments, M/s. Radhay Mohan and Associates.
M/s. Chitale & Son, Madras	G+3 Residential at various locations in Madras	Various Promoters
J.S. & Sons, Madras	Residential Apartment at T.Nagar, Cenetoph Road	M/s. J.S. & Sons
Altaf Ahemed Madras	Residential Apartment at Madurai (G+3)	Indian Oil Ltd.,
M/s. Chitale & Son, Madras	G+9 Apartment at Madras	DP Builders
Subba Rao and Associates, Madras	G+3 Apartment at Madras	Various Builders
M/s. Ceebros Madras	G+3 Apartment at Madras	-----
M/s. Krishna Construction	G+3 Apartment at Madras	-----
M/s. Chitale & Son, Madras	G+3 Apartment at Madras	Sudsun Housing
M/s. Chitale & Son, Madras	G+3 Apartment at Madras	Ready Money Chennai
Shilpa	G+3 Apartment at Madras	XS Properties
Sataya Narayana & Associates	G+3 Apartment at Madras	Golden Homes & Palace Investments

ARCHITECT	TYPE OF STRUCTURE / LOCATION	CLIENT
M/s. Sathyanarayana	Residential Apartment at Balfor Road, Chennai (B+G+7)	Palace Investments
Anbu & Faizal	Residential Aparment at Mogappair (Stilt+4)	Doshi Developers
Anbu & Faizal	Residential Aparment at Mogappair (Stilt+4)	Doshi Developers
Anbu & Faizal	Residential Aparment at Velachery	Doshi Developers
	Individual Block at Vengaivasal	Doshi Developers
M/s. Sathyanarayana	Aparment at Mogappair	VGN Homes
M/s. Sathyanarayana	Aparment at Moolakadai	Rajarithnam Constructions
M/s. Sathyanarayana	Residential Apartment at Golden George Nagar, Chennai (Stilt+4)	Golden Homes
M/s. Sathyanarayana	B+G+10 Residential Apartments at Purasawalkam, Chennai	Palace Investments
M/s. Anbu & Faizal	Residential Apartment Complex at Pallikaranai (approx. 2.0 lakhs sft)	M/s. Doshi Development
M/s. Sathyanarayana	Residential Apartment Complex at Madhavaram (approx. 1.25 lakhs sft)	M/s. Rajarithnam Constructions
M/s. Sathyanarayana	G+8 Storied Residential Apartment at Greenways Road (approx. 76,000 sft)	Kgeyes Foundations
M/s. Srinivasa Enterprises	Apartment Complex at Mogappair, Chennai (approx. 1.0 lakh sft)	M/s. Doshi Development
M/s. Sathyanarayana	Residential Apartment at Tambaram (approx. 75,000 sft)	M/s. Rajarithnam Constructions

ARCHITECT	TYPE OF STRUCTURE / LOCATION	CLIENT
M/s. C.R.Narayana Rao Consultants Pvt. Ltd., Madras	RCC G+7 Storeyed Residential Apartments, Madras	M/s. BHEL Ltd., Trichy
Mr. Sathyanarayana, Madras	RCC G+7 Storeyed Residential Apartments, Madras	M/s/. Vijaya Shanthi Builders, Madras
M/s. Chitale & Son, Madras	RCC G+7 Storeyed Residential Apartments, Madras	A Leading Promoter at Madras
M/s. Redhey Mohan & Association	RCC G+7 Storeyed Residential Apartments, Madras	A Leading Promoter at Madras

## 2. FACTORIES :

ARCHITECT / CLIENT	TYPE OF STRUCTURE / LOCATION	CLIENT / ARCHITECT
M/s. C.R.NARAYANA RAO, Consultants (as Chartered Structural Designer)	(i) Factory Complex of Large Span (around 12 to 15 mts) RCC Framed Structure at Bangalore	HALL.C.A.Project
	(ii) Automobile Engine Testing House. RCC Framed Structure subjected to Dynamic Loading	A.R.A.I. Pune
	(iii) RCC Folded Plate Structure	M/s. ESSARR Investments, Vizag.
	(iv) Various Structure for Sugar Mills and Other Plant Structures	Various Clients
	(v) RCC Shell Roof Structures	M/s. Ashok Leyland Ltd.
M/s. CHITALE & SON	(i) Expansion of Steel Mill Structures, comprising of Underground, Liquid Retaining Structures. Machine Foundations and Steel Structures with Gantry Crane	M/s. R.K.K.R. Steel Gummidipoondi, Thiruvottiyur, Madras.
	(ii) R.C.C. Framed Structure	M/s. Armaan Electric, Gummudipoondi
	(iii) RCC Framed with Flat Slab G+2	M/s. Nissar Ahmed Madras
	(iv) RCC Framed with two bay 18 mt. Span, Portal Frame	M/s. R.R.Medi Pharma, Alathur, Tamilnadu.
	(v) Structural Steel Framed Structure	Vijaya Granite
	(vi) R.C.C. Framed and Structural Steel	Expansion for M/s. Fuller KCP Madras.
	(vii) Tubular Steel Latticed Portal Frame	at Perungodi Madras
M/s. Venkateswara Steel Mills, Madras.	Steel Mill 18 mts. Span, Steel Portal Frame	M/s. Venkateswara Steel Mills, Gummudipoondi
M/s. Shivakumar, Madras.	Staff Rest Shed, RCC Framed with Folded Plate Roof	M/s. Sundaram Abex M/s. Sundaram Clayton M/s. Sundaram Fasteners

ARCHITECT / CLIENT	TYPE OF STRUCTURE / LOCATION	CLIENT / ARCHITECT
Haritha Grammer Pune Clayton	Seat Cover Plant - STEEL STRUCTURE	M/s. Sundaram Clayton
Foundry Complex Hosur	Die Casting Unit - RCC & STEEL	M/s. Sundaram Clayton
Expansion of Existing Foundry at Madras	---	M/s. Sundaram Clayton
Generator Building for Captive Power	R.C.C. Framed with Steel Roof	India Cements Chilamkur
Generator Building for Captive Power	R.C.C. Framed with Steel Roof	Lakshmi Saraswathy Mill Arni
Garment Factory at Chennai	R.C.C. Framed	Srinivas Enterprises Architect
Additional Structures incl. Preheater Tower	Steel	India Cements Chilamkur
Innvolve Pharma Chennai	RCC Framed Design & PM	Senthil Vel. & Associates
Stitch Unit	Tubular Roof	Haritha Hosur
ACT Show Room cum Repair Complex	RCC & Steel Roof - 30m Span	Forum Chennai
ARAS Ltd at Madurai Show Room cum Work Shop	RCC & Steel Roof - 30m Span	M/s. Chitale Chennai
Printing Press at Madurai Tirunelveli & Pondy	RCC & Steel Roof - 30m Span	M/s. Chitale Chennai
M/s. Sathyanarayana	INOX Air Products Phase-II	INOX Air Products
Mr.V.Balakumar	Additions, Modifications, Extensions & New Facilities at Chennai & Hosur	Sundaram Clayton
Mr.V.Balakumar	Extensions for Foundry Unit at Padi & Hosur	M/s. Sundaram Clayton Ltd.

ARCHITECT	TYPE OF STRUCTURE / LOCATION	CLIENT
Mr.V.Balakumar	Storage Building for Sanco Trans Ltd., Thiruvottriyur	Creative Consultants
M/s. Sathyanarayana	INOX Air Products, Pondichery	INOX Air Products, Mumbai
M/s. Audhisheshaiah	Garment Factory Complex	B & T Garments Chennai
M/s. Sathyanarayana	Garment Factory Complex	B & T Garments Chennai

### 3. COMMERCIAL, EDUCATIONAL & HOSPITAL COMPLEX :

ARCHITECT	TYPE OF STRUCTURE / LOCATION	CLIENT
Technicalia, Madras	RCC Basement, G+7 Storeyed RCC framed Structure	Chennai Kaliappa Hospital, Madras
M/s. C.R.Narayana Rao Consultants	Various Structures for University Campus	Mahatma Gandhi University, Kotayam. Kerala
M/s. Technicalia, Madras	RCC Basement, G+7 Storeyed RCC framed Structure	M/s. Malar Hospitals
M/S. Srinivas Enterprises	G+3 Office Complex	Madras
M/s. Technicalia, Madras	G+5 Hospital	Vanchined Medical Centre, Trivandrum
M/s. Technicalia, Madras	Resorts	Elagiri for Sterling
C.P.W.D.	Casualty Block B+G+5	Jipmer
C.P.W.D.	Office Complex G+5	Cochin
C.P.W.D.	Auditorium	Kerala Agriculture University, Trichur
C.P.W.D.	School Building	Gulbarga
M/s. Srinivas Enterprises	B+G+5 Framed RCC	Hotels at Chennai
M/s. Chitale & Son	G+4 R.C.C.	SBI Complex, Trichy
M/s. C.R.Narayana Rao	Double Basement G+9	Hotel Complex
M/s. C.R.Narayana Rao	Double Basement G+9 (Only 3D Analysis)	IT Complex Chennai (TIDEL)

ARCHITECT	TYPE OF STRUCTURE / LOCATION	CLIENT
M/s. Chitale & Son	Double Basement G+5 RCC	CITI Bank Complex, Chennai
M/s. Chitale & Son	G+5 RCC Framed	College Complex, Chennai
M/s. Chitale & Son	B+G+9 Floor Framed	Commercial cum Office Complex, Chennai (Raintree Manor)
Srinivasa Enterprises	B+G+3 Floor	Office Complex Chennai
Srinivasa Enterprises	B+G+3 Floor	Hospital Complex M.V.Diabetic Center Chennai
Srinivasa Enterprises	B+G+3 Floor	ASCA Complex, Chennai
Sathya Narayana & Associates	G+3 Floor	Prayer Hall & Lodging for Priests (Sathya Nilayam)
M/s. Chitale & Son Chennai	Structural Steel Roof	Auditorium at Coimbatore for Stanes School
M/s. Chitale & Son Chennai	G+4, G+2 with Steel Roof	Hotel & Marriage Hall Pollachi
M/s. Chitale & Son Chennai	G+3	College for Dinamalar Group Madurai
M/s. Archaid Chennai	B+G+4	Commercial Complex
M/s. Sathyanarayana	Library Building for St. Joseph College, Trichy (Stilt+4) Large Span Flat Slab	Society of Jesus, Trichy
M/s. Sathyanarayana	MBA Complex for Loyola College (G+6)	Loyola College
M/s. Sathyanarayana	Classroom Complex for Church Park, Chennai	Church Park Administration
M/s. Sathyanarayana	Anglo Indian Teachers Training Institute at Chennai	Church Park Administration

ARCHITECT	TYPE OF STRUCTURE / LOCATION	CLIENT
Srinivasa Enterprises	Commercial cum Residential Complex at Cathedral Road, Chennai	-----
Srinivasa Enterprises	Office Complex at Chetpet	-----
Cheralathan & Associates	Mall at Poonamallee High Road, Chennai	AMPA
M/s. Sathyanarayana	Schram Academy & Bible College at Irungattukottai	Bible College
M/s. Sathyanarayana	Various Educational Institutions & Home Buildings in Chennai, Chengalpet, Bangalore, Port Blair	Missionaries of Charity
R.Chakrapani & Associates	IT Park for I soft @ Kodambakkam High Road, Chennai	M/s. Viswakarma
Mr.Verghees Oommen	G+6 Storeyed Hostel Blocks for Pondichery Medical Mission at Pondichery	M/s. Leo Associates Chennai
C.R.Narayana Rao Consultant	Institutional Buidlings at Hyderabad	A.P.Govt. Agricultural Department
C.R.Narayana Rao Consultant	Administrative Office & Hostel for A.P.Govt. Forest Department	A.P.Govt. Forest Department
Subba Rao & Associates	Various Structures for Dravidian University at Kuppam, A.P.	Dravidian University

#### 4. TREATMENT PLANTS :

LOCATION	MAIN CONSULTANT / CONTRACTOR
1. At T.I. Cycles, Ambattur	T.I. Cycles
2. T.P.I., Avadu	Corromandel Engineering (Pollutech)
3. Near Nagpur	Corromandel Engineering (Pollutech)
4. Indian Additives Ltd.,	M/s. Sacede Ltd.,
5. At Indonasia	M/s. Sacede Ltd.,
6. For O.N.G.C. at Narimanam	M/s. Sri Ram Engineering
7. At Sundaram Clayton	M/s. Sundaram Clayton Ltd.,
8. Hyundai Chennai	M/s. C.R.Narayana Rao Chennai
9. Toyota Bangalore	M/s. C.R.Narayana Rao Chennai