



PRECA  TM

PRE-STRESSED CONCRETE SOLUTIONS

An ISO 9001:2008 COMPANY

Speaker Introduction :

SHRIDHARA.C.N. (M.Tech-structures)



- Completed M.Tech in prestressed concrete structures on 2000 from UVCE, Bangalore University.
- Started as a conventional RCC structures design engineer from 2000 to 2003 at Bangalore in a reputed consultant office. Designed several buildings like commercial, educational, Industrial & Residential with cost effective. Received best innovative design award for one of the Residential school campus at Bangalore.
- From 2004 started as a precast & prestressed concrete structural engineer in Swedish company, Saudi Arabia. Designed several commercial buildings by using total precast Methodology. Faced so many practical challenges in implementing the handling easy ness of precast elements.
- From 2006 to 2012 worked as a Technical manager at Dubai heading a reputed precast company design department. Designed all type buildings using precast methodology. Implemented cost effective and innovative design solutions in several buildings using precast technology. Designed up to 45m long prestressed beams in one of mall building.
- From 2012 to till date working as **Head-Technical & Marketing at PRECA Solutions**. Involving in setting up of precast plant and setting up business in the market. Several buildings designed and implemented at Hyderabad in the span of Two years. Designed total precast building (B+G+4) using clear span 20m as an innovative in Indian precast construction.

Scheme of Discussion:

- What We Do ?
- Pictorials on Factory Produced - Delivered Projects
- Pictorial Process Representation on Factory produced Office building
- Onsite Issues & Approach adopted for Erection
- Questions & Answers



What We Do ?

We Manufacture Building Structures in Factory..



How We Do..... What we do?

- ✓ We Design Buildings.
- ✓ We Manufacture Buildings.
- ✓ We Erect Buildings.
- ✓ We Deliver Buildings.

In sum, we provide **TURNKEY** solutions



Our Turnkey Services

PRECA delivers turnkey services from design to on-site installation



Enquire:

Evaluate preliminary design for the most efficient solution to suit the needs



Engineering and Design:

Study engineering to arrive at effective structural designs and quantities



Manufacture:

under rigorous quality standards as per schedules



Delivery:

Undertake on-site delivery as per erection schedule



Erection:

Carry out complete erection of precast elements, including Grouting.





*Factory Produced Buildings
Recently Delivered
by PRECA*

IT SEZ Building: 3,40,000 Sft



IT SEZ Building: Visuals



IT SEZ Building: Visuals



IT SEZ Building: Visuals



Office Building: 1,65,000 Sft



Office Building: Visuals



Office Building: Visuals



Office Building: Visuals



Office Building: Visuals



Commercial Showroom: Visuals



Commercial Showroom: Visuals



Commercial Showroom: Visuals



Commercial Showroom: 20,000 Sft



Commercial Showroom: Visuals



Office Building: 40,000 Sft



Office Building: Visuals



Office Building: Visuals



Office Building: Visuals



Office Building: Visuals



International School Building:



International School Building:



International School Building: Visuals



International School Building: Visuals



Residential Building : Visuals



Residential Building : Visuals



Residential Building : Visuals



Residential Building : Visuals



Residential Building: 22,400 Sft



Residential Building : Visuals



Project- for Crematorium - CSR Activity

కర్తవ్యేనాధికారస్థే మా ఫలేషు కదాచన |
మా కర్తవ్యం హేతుర్యూ: మా తే సంగోన్మ్యకర్తవే ||

కర్తవ్యమునందే ఏకాధికారము కలదు. దాని దాని ఫలముపైను ఎన్నడుమా జేయ. నీవు కర్తవ్యమునకు
కారణము కాకాదు. అట్లుని కర్తవ్యము మానేసెయిండు అనుకుడవు దానికదు.

One has the right to their own action but, never to its yield ; one should not let inaction
or action to yield guide the motive duty.

య ఏనం వేత్తి హంబారం యశ్చైనం మస్యతే హాతమ్ |
ఉభౌ తౌ న విజానీతౌ నాయం హంతి న హాస్యతే ||

అత్త చంపునని గానీ, చంపబడునని గానీ భావించువారు అజ్ఞానులు
నాస్తునముగా అత్త ఎవరినీ చంపదు. ఎవరి చేతనూ చంపబడదు.

ignorant are those who think a soul is a slayer or can be slain.
The soul neither slays nor is slain

05/04/2014 08:35



*Erection Process -
Own Case Study of PRECA*

Office Building: Process Visuals



Office Building: Process Visuals



Office Building: Process Visuals



Office Building: Process Visuals



Office Building: Process Visuals



Office Building: Process Visuals



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Office Building: Process Visuals





*Our Select Prestressed
& Precast Products*

[Produced & used in Our Delivered Projects]

Our Prestressed [Pretensioned] and Precast Products



Columns



Beams



Retaining Walls



Hollow Core Slabs



T Slabs



Stair Cases



Wall Panels



Architectural Fins



Gate Frames



*Onsite Challenges -
Approach of PRECA*

[Recently Delivered Select Projects]

Onsite Issues - Approach Adopted :

Project	Issues	Approach Adopted
IT Building	Limited Crane Maneuvering	Angle of crane movement was restricted to 135 degrees against the available 360 degrees. The handling of elements was planned and done in the same direction.
	Limited Storage Place for elements	Accurate delivery schedule to match erection program (Just in time Inventory)
IT Tower	Higher Capacity Crane not Accessible to Erection place	The Stair flight element was divided into 2 pieces and has been erected by Smaller Capacity Crane. Later finished as a single stairs.
Office Building - 1	Crane Accessible only from one direction of plot. 3 sides of building is covered with Natural rock.	Completed the Erection of Building in the Vertical stages of Construction with Combination of Different specification and Capacity of Cranes.
Office Building - 2	Limited Storage Place : Large Span T Slabs = 20 m Length (max)	Accurate delivery schedule to match erection program. Erection of slabs completed during night time.
	Transportation of 20m Slabs to site.	Identified Transport Agencies from other State for the 20m trailers.

Crane for Erection

- ✓ 150 ton mobile mechanical crane was used for erection of precast elements.
- ✓ Crane specification: 40 m working radius with end tip load capacity 6.5 ton.
- ✓ Crane height: Main boom 32 m + luffing boom 46m
- ✓ Maximum weight of elements erected - hollow core slab 3 ton & Precast Prestressed beam 7.5 ton



Logistics



Logistics



IT Tower-tower crane for erection



IT Tower



Two cranes



Night Erection



Who Are We?





PRECA is promoted by Mr. Satish Gottipati in joint venture partnership with European and African Techno-Commercial partners.

European Technology, Israeli managerial & technical expertise for Operations is the unique advantage.



Mr. Satish Gottipati

- Having more than Fifteen years of business experience in the field of manufacturing, infrastructure, real estate and Investment sectors.
- Served many organizations, ranging from medium to large size listed companies and Indian outfits of foreign companies
- Qualified Chartered Accountant and Cost Accountant.
- Board member of Israel & Indian JV involved in property development
- Vice President – FISME India & Head FISME AP.



Mr. Uri Kertes

- An Hungarian-Israeli, Civil Engineer by Qualification & Profession
- Entrepreneur and an accomplished administrator of international repute.
- Having over 33 years of experience in managing, supervising and execution of various building/civil engineering projects, ranging from residential to commercial and industrial buildings, roads and other infrastructure development projects in Israel, Hungary, Cameroon and Nigeria.

State-of-the-Art Production Facility



- ✓ 10,000 SFT full structure production capacity per day.
- ✓ 60,000 SFT Built-Up Factory
- ✓ Located at Shankarpally, near Hyderabad in 13 Acres of Land

- ✓ State of the Art Production Technology from Europe.
- ✓ In-House Fabrication Unit, Laboratory & Mechanized Bar Bending equipment
- ✓ 100 % Power Backup



Certifications:

ISO 9001:2008 Certification for Design, Manufacture and Supply of Precast Prestressed Concrete Products and Turnkey Execution

TÜV SÜD
ZERTIFIKAT ♦ CERTIFICATE ♦ 認証証書 ♦ CERTIFICADO ♦ CERTIFICAT



South Asia

CERTIFICATE

The Certification Body
of TÜV SÜD South Asia Private Limited

certifies that



Preca Solutions India Private Limited

HO: Plot No.6, D No.2-9/5/6, Venkat Sai Gateway,
Greenland Colony, Gachibowli,
Hyderabad - 500 032, INDIA

Works: Survey No.167 & 169, Fatehpur Village,
Shankarapalli Mandal, Ranga Reddy District - 501 203,
Hyderabad, INDIA

has established

and applies a Quality Management System for

Design, Manufacture and Supply of Precast & Prestressed Concrete Products of all ranges,
and
Turnkey execution, Project Contracting & Construction of Various Structures

An audit was performed, Report No. 20059565

Proof has been furnished that the requirements according to

ISO 9001 : 2008

are fulfilled. The certificate is Valid until 2015-09-14

Subject to successful completion of the Annual Audit before 2013-08-25

The present status of this Certificate can be obtained on www.tuv-sud.in

Further clarifications regarding the scope of this certificate and the applicability of ISO 9001:2008 requirements may be obtained by consulting the certification body

Certificate Registration No. 99 100 13833

Mumbai

Effective Date: 2012-09-15

Certification Body
of TÜV SÜD South Asia Private Limited
Member of TÜV SÜD Group



Recognitions:



Best in Class Manufacturing - Green Manufacturing Award in National Quality Excellence Awards 2013 from World CSR Day and Stars of the Industry, USA



PRECA Factory:





The Art of PRECAsting..



Thank You.