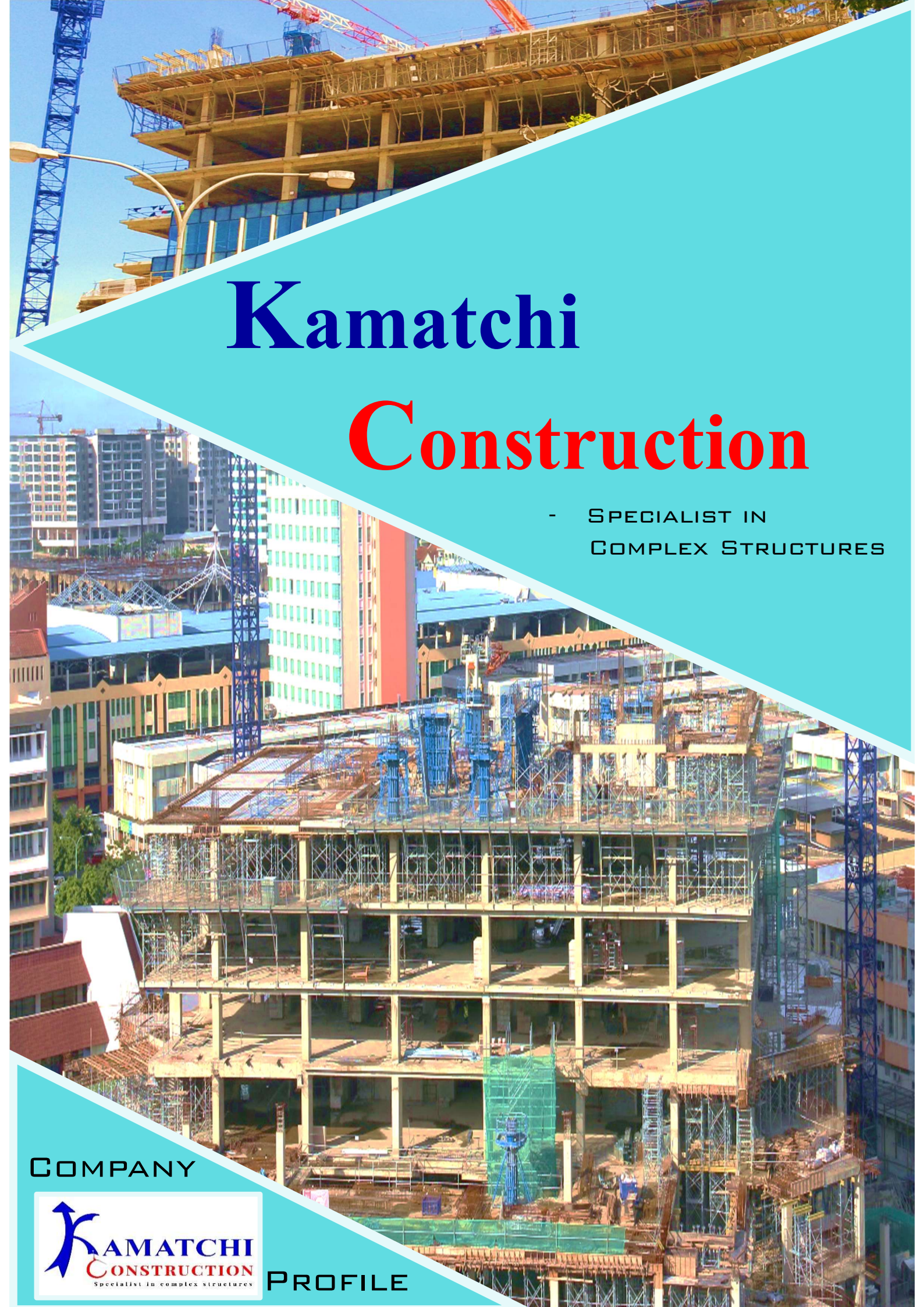




Kamatchi Construction

- SPECIALIST IN
COMPLEX STRUCTURES

COMPANY



PROFILE

WHY CHOOSE US?

- Technical Expertise
- Proven individual track record
- Customer focused
- Managing Skills
- Resources and materials
- Determination
- Optimized Methods
- Safety
- Quality
- Quick



ABOUT US

Kamatchi Construction Pte. Ltd. was founded by well experienced Engineering Pioneers, who has vast experience in the Projects of High rise Building, Tunnel, Airport, Harbor, Chemical Plant, Nuclear Power Plant, Foundation Work, all types of Demolition Work, etc.

We do all type of Construction Methods like Pre-Cast, Pre-Engineering Building Construction, Prefabricated Prefinished Volumetric Construction (PPVC), Top-Down Construction, Hollow Core Slab, Post-Tension and as well as a Conventional Method.

As like Construction we have vast experience in all type of Demolition works like RCC, Steel Structures, Composite Structure, Non Structural elements, etc.

All Preliminary and Execution studies & Designs will be done by us for all Construction works as well as for Demolition Works.



CONTACT US

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Mail Id : info@kamatchi-construction.com

Web Page: www.kamatchi-construction.com

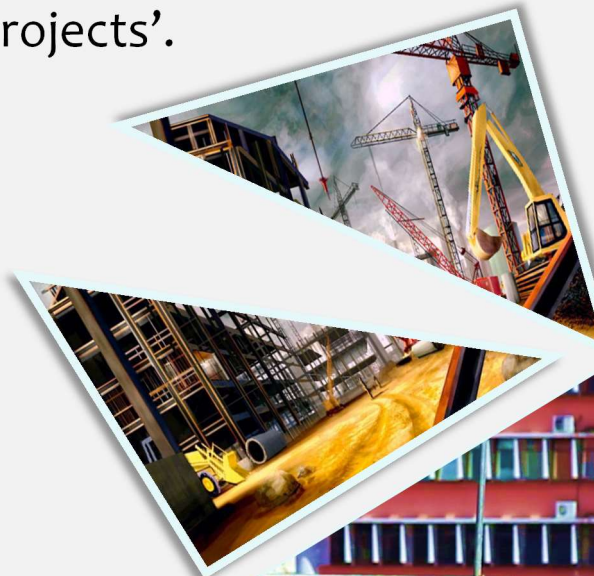


VISION

We are well versed in Planning. We believe, the great Plan will leads to great Success. We started it to make a Construction, a great one. Safety will be our key agenda of all works. Workers are Foundation of Construction.

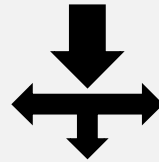
There is no short way to complete a Work. But by proper Planning we can make the way to complete a work as Short, on time with Safe and Sound. Time saving and Resource saving are our traits without compromise in Quality and Sacrifice in Safety.

We are here as alternate Word and Solution for 'Complex Projects'.



OUR SCOPE

KAMATCHI CONSTRUCTION



CONSTRUCTION WORKS



1. RC Works
2. Steel Structure works.
3. Precast Concrete Works.
4. Scaffolding/ Shoring.
5. A&A Works
6. Metal Formworks

DEMOLITION WORKS



1. Demolition & Dismantling Works.
2. Controlled demolition works.
3. Architectural Stripping Off Works.
4. Pressure Grout Works.
5. Façade Dismantling Works.
6. Roof and Shelter Removal Works.
7. Steel Structures Dismantling Works

DESIGN & ENGINEERING WORKS



1. Construction Methods Studies.
2. Temporary Works Design.
3. RC Structural design
4. Steel Structure Design
5. Heavy Lifting Studies
6. Scheduling & Planning Works

WHAT WE DO

CONSTRUCTION WORKS

We do all kind of works involving in Construction field. Even though we have robust experience in RCC Works, we are familiar in other works also, like Water Proofing, Façade Cladding Work, Block Wall Construction, Flooring works, Finishing works, etc. Below are the some important area/ items in which we are being a specialist,

1. RC Construction Works.
2. Steel Structure Works.
3. Scaffolding / Shoring Erection Works.
4. A & A Works.
5. Metal Formworks



WHAT WE DO

RC CONSTRUCTION WORKS

We undertake entire Permanent and Temporary works in RC Construction. Including supply, erection and dismantling of Formworks, Steel Reinforcement Installation Work, Casting Work and Structural Finishing Works.



The best skilled and inter-correlated Team makes the overall project a well progressing, in a quickest Cycle. The well preliminary studies before starting the project, helps the Workers to reduce the time of work's learning curve.



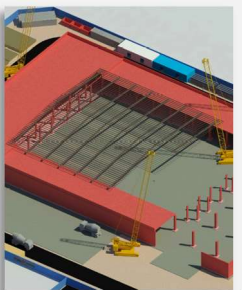
We are well experienced in Sub-Structure Construction Works. We are familiar with Piling, Pile Cap, Raft, Lift Pit, Diaphragm Wall, Secant Wall, Retaining Walls, Sheet Pile, Lateral Shoring, Tower Crane Foundation etc.



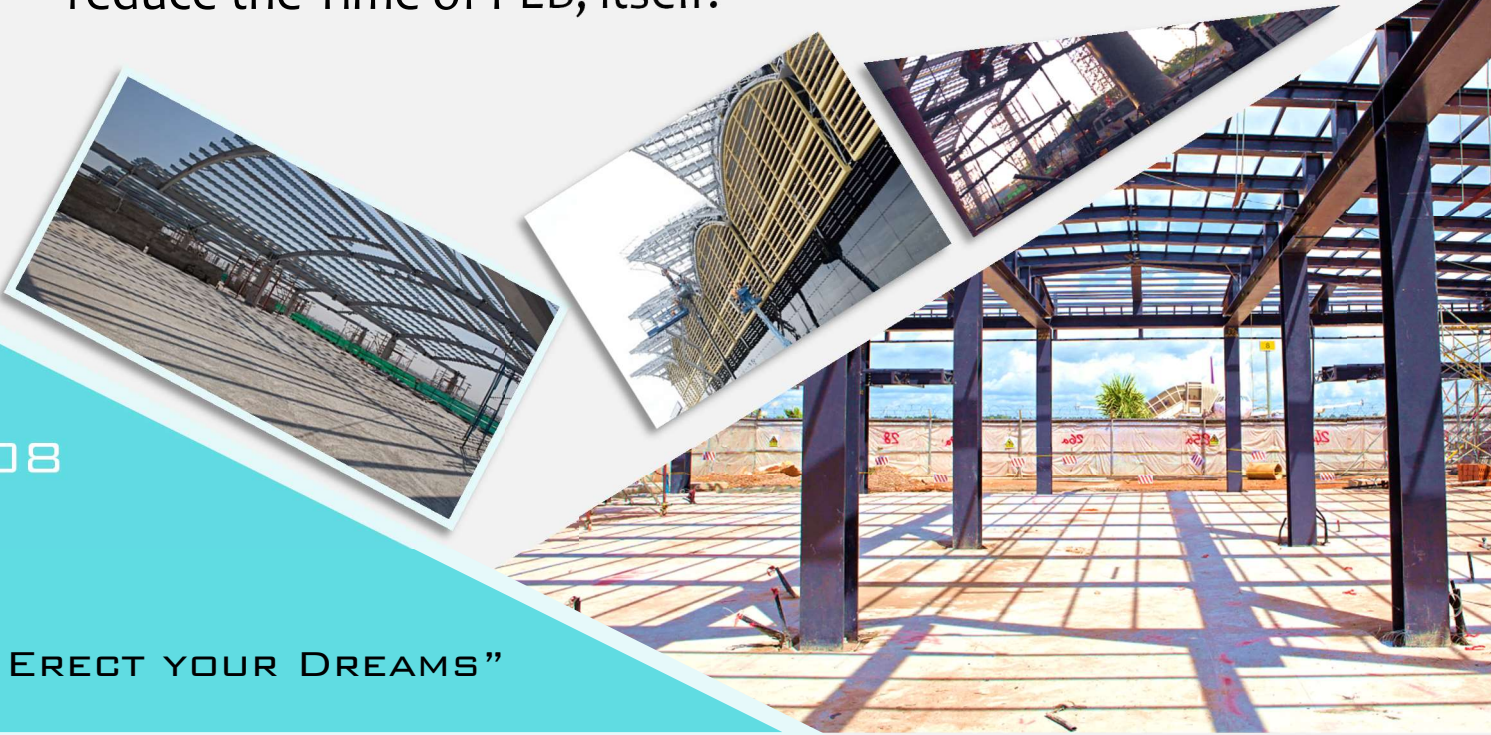
WHAT WE DO

STEEL STRUCTURAL WORKS

Steel Structures having a significant place in the field of Civil Engineering. Even though the whole Structure is made of RCC, we can't avoid the usage of Structural Steel at least in particular part of Structure. We are having the best Team to handle with Pre-Engineered Building Construction.



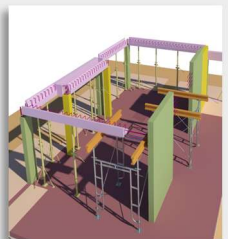
In Steel Structures, we do Design, Supply, Fabrication and Erection work at Site. By having the knowledge from Design to erection, makes us to plan and execute all the works in economic and non-complex way. By studying the required quantity of Lifting Machineries and its capacity, we plan and schedule the whole Erection work efficiently, with the usage of less Labor Force(in which we are good). PEB will reduce the time from other Structures, we reduce the Time of PEB, itself.



WHAT WE DO

PRECAST CONCRETE

Precast Concrete is the fastest growing Technique/ Methodology in the field of Construction. We are also growing along with it, in the sense of acquiring knowledge and experience like Proposal, Design, Erection and Connection of Precast Elements.



The Lifting analysis, Proposal of Shape and Size of Precast Elements, Designing the Elements and it's connections, Providing of Formwork Shop Drawing and Rebar Drawing, Erection Cycle, Casting of Element in Precast Yard, Fabrication of Precast Mould, etc., all these works will be done by us, itself. So the start to end activities involving in Precast Construction will be tackled by us. We are familiar with Hollow Core Slab Construction, also. Knowledge about handling of special Tools and Equipment for HCS are familiar too.



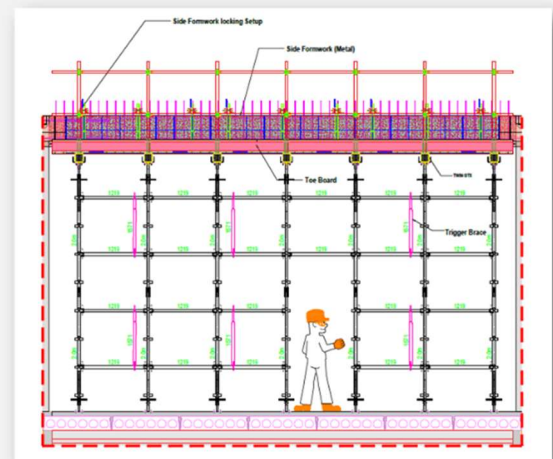
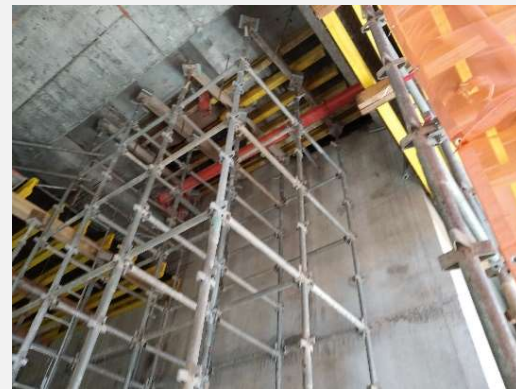
WHAT WE DO

SCAFFOLDING AND SHORING

We excel in all Scaffolding and Shoring Works, for all type of Construction and Demolition Works. **We do Design, Arrangement Shop Drawings, Erection and Dismantling of Scaffolding & Shoring works.**



We handle all type of Conventional Scaffoldings like with CHS Steel Pipes & Timber and as well as all latest Patented Scaffolding Types. We are familiar in all Timber and Plywood works involved in False and Formworks. By doing the Arrangement Studies with adequate Plans, Sections and 3D Views before starting the Erection, it will give the exact quantity about Scaffolding requirement and it will ease the erection work at site without any un-expected hindrances, at speed.



WHAT WE DO

A&A WORK

We and our team are peculiar in this kind of works with prior managing and cost controlling. Our excellence in A&A works covers,

- **New extension of a Structure**
- **Removal or Alteration of Existing Structures.**
- **Addition of Sound Proofing Acoustic Works.**
- **Addition of Curtain Walls.**
- **Addition of Canopies/ Shelters.**
- **Matching the styles and materials.**
- **Adding new technologies**
- **Retro fitting insulation**
- **Matching Lightning's and fittings**



We are committed to deliver forever growing levels of customer satisfaction by providing products which comply with customer specifications and in line with relevant standards and codes practices. We will make clients to improve their needs in a latest fashion and dramatically improving their quality and the buildings capital values.



WHAT WE DO

METAL FORMWORKS

We do **Design, Supply, Fabrication and installation of all types of Metal Formworks and Platforms involved in Construction activities as follows,**

- **Metallic Wall shutter panels and Column formworks (all shaped forms and for multi levels)**
- **All kind of Precast Moulds.**
- **Facade and Cantilever / working Platforms.**
- **PPVC moulds.**
- **Loading Platforms(any custom type), etc.**

In order to successfully carry out its function, formwork must achieve a balance of following requirements:

- Safety.
- Containment, Highly Accuracy
- Strength.
- Resistance To Leakage.
- Ease Of Handling, Access for Concreting.
- Precise Finish And High Reuse Potential.
- Economy.

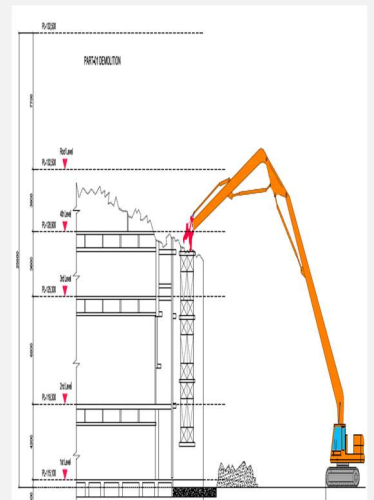


WHAT WE DO

DEMOLITION

As like Construction, we are equally specialized in demolition works too. The Demolition process where we are being a specialist are as follows:

1. All kind of Demolition and Dismantling Works.
2. Controlled Demolition Works.
3. Architectural Stripping-Off work.
4. Pressure Grouting work.
5. Façade Dismantling Works.
6. Roofing/ Shelter Dismantling.
6. Steel structure Dismantling Works.



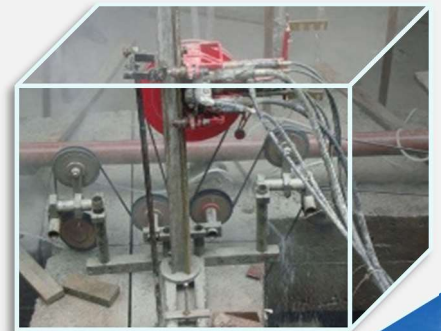
WHAT WE DO

ALL KIND OF DEMOLITION & DISMANTLING WORKS

We are specialist in all kind of Demolition Works like **Controlled Demolition, Concrete Repair Works, Under-Water Demolition, Steel Structure Demolition, Non-Structural Element Demolition, etc.** Our Scope includes the demolition of pedestrian overhead bridges, Link ways, Suspended structures, D-Walls and CBP/SBP.

Machineries are our chief Strength in our Demolition field. By doing detailed study before execution itself, it makes us to select the optimized path to complete the work with appropriate Men and Machinery, in the environmentally safety way.

We are well ease in doing the Under-ground/ Foundation demolition works in the complex spaces too. Alterations works also being with in the circle of our Scope.



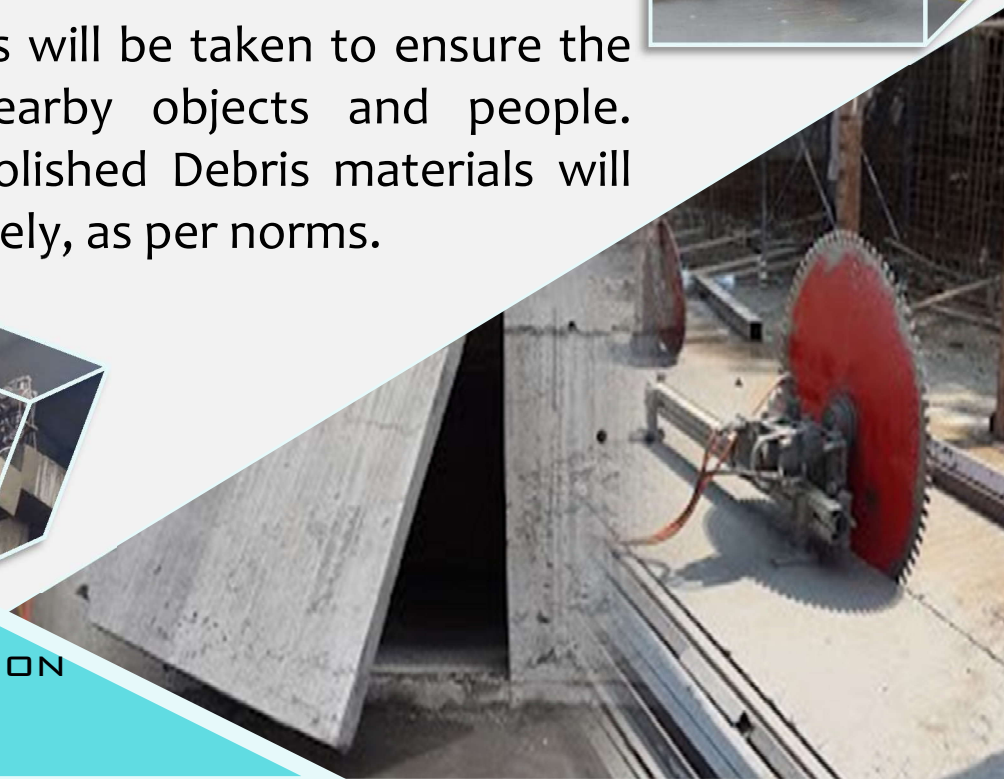
WHAT WE DO

CONTROLLED DEMOLITION

As said earlier, by having a variety of cutting and coring Machineries in hand, tackling even a very complex Controlled Demolition project are a well feasible for us.

For any kind of structural elements, we do all type of Controlled demolition works, using wire saw, automated wall saw and floor saw machines and methods.

We are very conscious about the Safety and Barricading work around the Demolition area. Affirming again, Safety is our key objective in the sense of Labors as well as the Public. The safety of nearby existing structures are also a concern for us. All precautions steps will be taken to ensure the safety of all nearby objects and people. Disposal of demolished Debris materials will be done by us safely, as per norms.



WHAT WE DO

ARCHITECTURAL STRIPPING-OFF WORK

We have well experienced special Team for **stripping off the Architectural Elements** such as Ceiling, Partition Walls, Interior Fixtures, Glass Panels/ walls, Floor Tiles, Wall Tiles, Toilet and Bathroom Fixtures, Electrical and Plumbing Fixtures, etc.

Proper guidance of form-work will be designed as per the client needs. Maximum effort will be there to dismantle the materials, in a re-usable condition. The dismantle scraps will be disposed from site by us, itself. Proper training and knowledge of Workers will lead to non-damaging of existing near by Structures/ elements.



WHAT WE DO

PRESSURE GROUT WORK

Having a proper knowledge to undertake this kind of activity. We have lots of engineer who have took the works with an efficient manner. **Undergorund concreting works, Filling air gaps, Pre stress and Post tension Works, Pressure grouting for Precast Walls, PC Columns, etc.**

Safety aspects is our primary target and we have said it earlier that, we will take care the problems with keen and given a perfect solution easily.

Roughening of Patches, Cleansing and ensuring to the checklist, proper mixing of components, ensure proper treatment for causing of works, are all the part where we will seriously undertake our roles. Injecting with proper checklist and guidance will make to improve the structure lifespan, that's what our real motto will be.



WHAT WE DO

FAÇADE DISMANTLING WORKS

Façade dismantling works involves very careful and focused correlated team work. It includes dismantling of Curtain Walls, metal Frames, Non-Structural Walls, Architectural Elevation Fixtures, RC Elements, Fin Walls, Structural Steel elements, etc.

Proper and Safety Scaffoldings & Platforms should be provided for working and access of Workers. In which we are well knowledged and abled to equip the Façade dismantling process very safe and a quickest, with proper Design and preliminary studies.



WHAT WE DO

ROOF AND SHELTER

DISMANTLING WORKS

It includes dismantling of all types of RC and Steel Roofs, Canopies, Sheltered Walkways, Link ways, Exterior Corridor, etc.

Our works will be undertaken by a skilled and experienced person with a complete controlled environment and with a proper guidance. Our work ensures the proper Barricading around the demolition area. We strive to create safety and healthy work environment for all our workmen, employees and stakeholders. And thereby achieving an accident-free workplace.



WHAT WE DO

STEEL STRUCTURE DEMOLITION WORK

We demolish all kind of Steel Structures like Factory Building, Office/ Residential building made of Steel , Steel Bridges, all type of Composite structures like Bondek Slab, Encased Beams & Columns, Machine/ plants, Roof Trusses, etc.

Care and concern will be taken while dismantling, to extract the materials with best scrap value . All precautionary steps will be taken to ensure the safety of dismantling process, without causing any small trouble to surroundings. Detailed studies will be done before staring the work, as usual.



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“REVENUE FROM
EVERYTHING”



WHAT WE DO

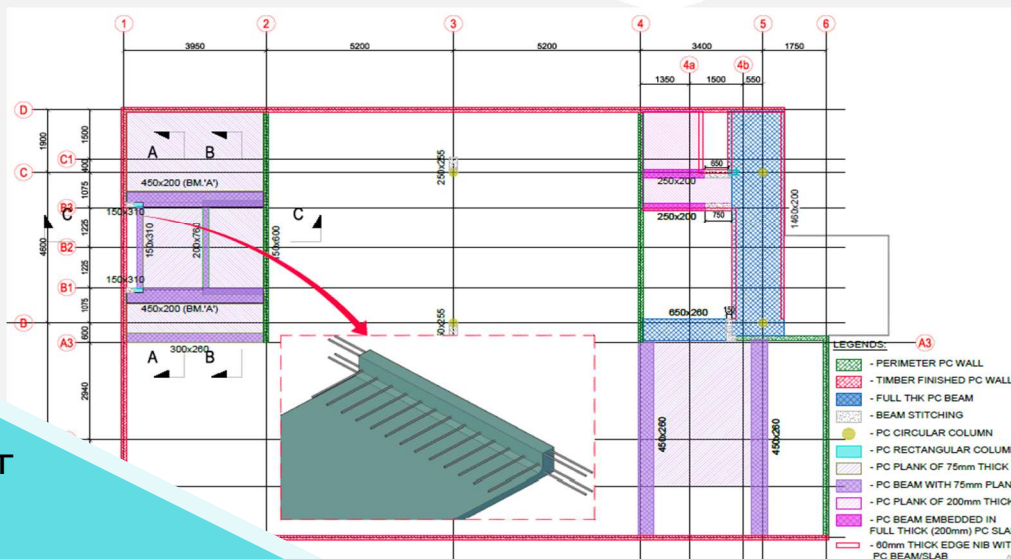
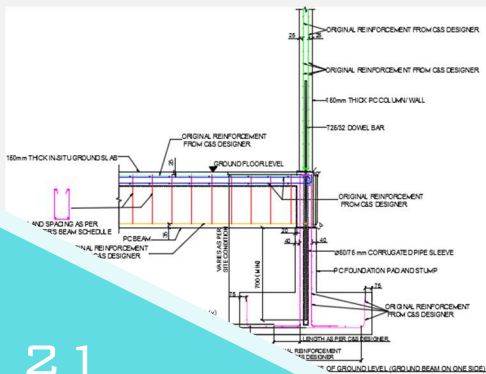
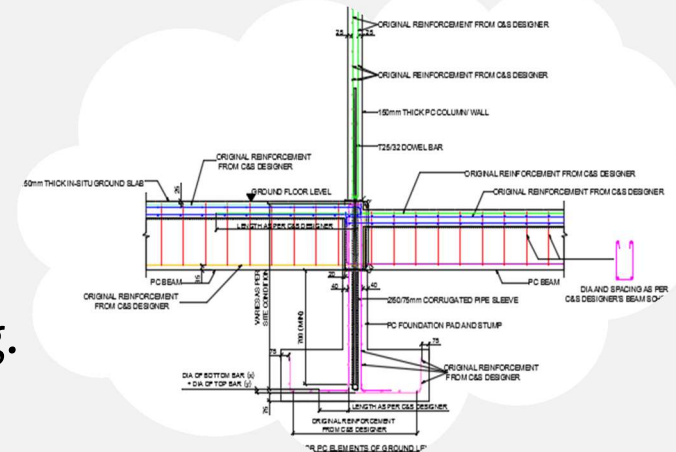
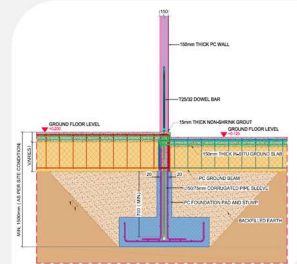
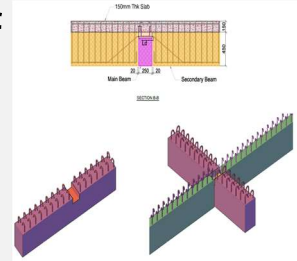
DESIGN & ENGINEERING WORKS

Our scope on Design & Engineering works concentrating on Designing and Detailing of RCC structures, Steel structures, Designing of all kind of Formworks (Steel, Timber), Pre-Stressed structures, Precast Structures, etc.

A strong knowledge of Math's and Physics, creative problem solving and three-dimensional conceptual skill gained by our design engineers makes our design studies a unique one.

Other than these, the roles and the responsibilities of our design engineers includes:

1. Project wide Construction Method Studies.
2. Temporary Work Design
3. RCC Structural Design
4. Steel Structural Design
5. Heavy Lifting Studies
6. Scheduling and Planning.



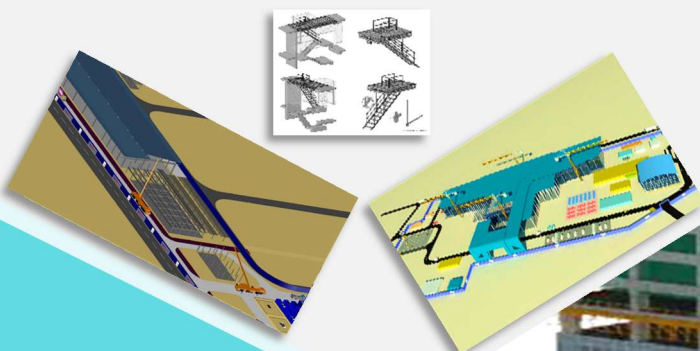
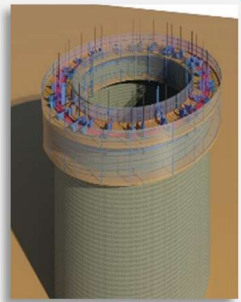
WHAT WE DO

PROJECT WISE METHOD STUDIES

The thing which makes us Unique from others is 'Methods'. Yes we have the well experienced and well innovative Methods Team, which will analyze each and every part of Project and gives the best Solution and the Path.

The Project-wise Construction Method Studies includes the Site Installation Studies, Construction Phasing, Construction Cycle, Methodology of Project Construction, Construction Activity Sequences, type of Formworks and shoring using, etc.

Site Installation studied by us before starting the Project, in details will enable the Site Team to use the Site space, efficiently. All study documents will be prepared in 2D as well as 3D, which incorporates all details and method of construction techniques, thereby it explains visually and elaborately

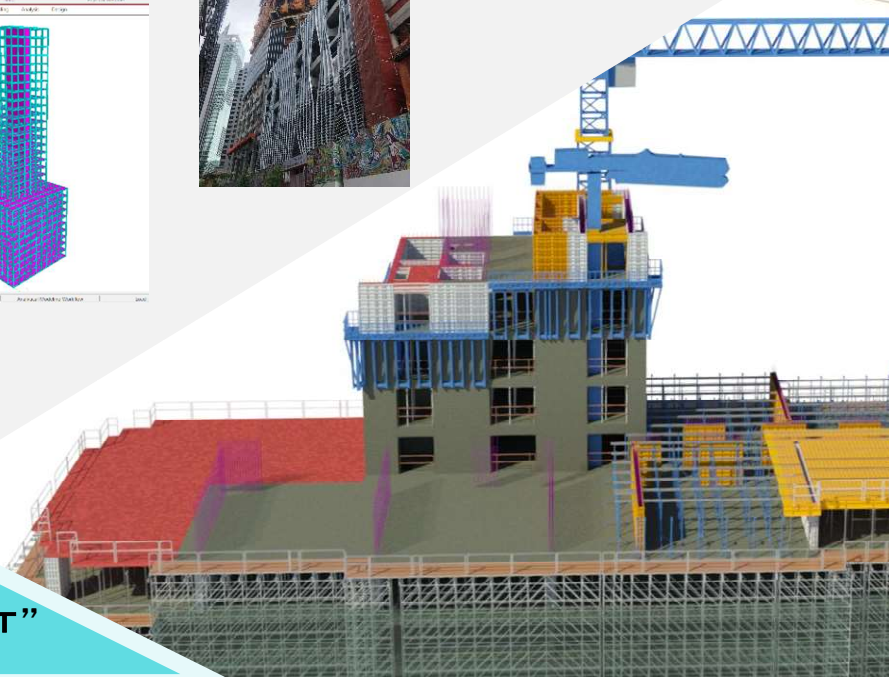
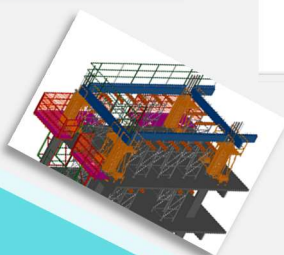
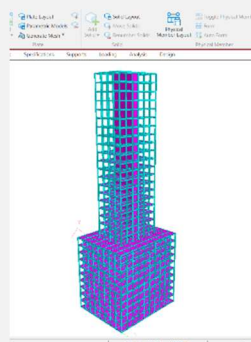
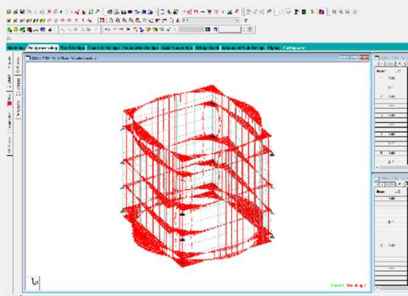


WHAT WE DO

TEMPORARY WORKS DESIGN

The Temporary works design involves the designing process and providing Fabrication/ Shop Drawings for all the works of Scaffolding, Shoring, Falsework, Formworks, all kind of Platforms, Tower Crane Foundation, Tower Crane Tie-Backs, Accesses, Hoarding, Gates, Over head shelters, etc.

All Summary of Quantity required for Construction and Demolition will be provided by us. Which will help the Site team to preplan accordingly. Each and every work will have the detailed back up documents of Methods. Which will be useful to re-evaluate the Works which have done already and as well as the Work going to be done. Fabrication Drawings for Formworks and Platforms, produced by us will enable the Fabricators to fabricate, precisely with much clarifications.



WHAT WE DO

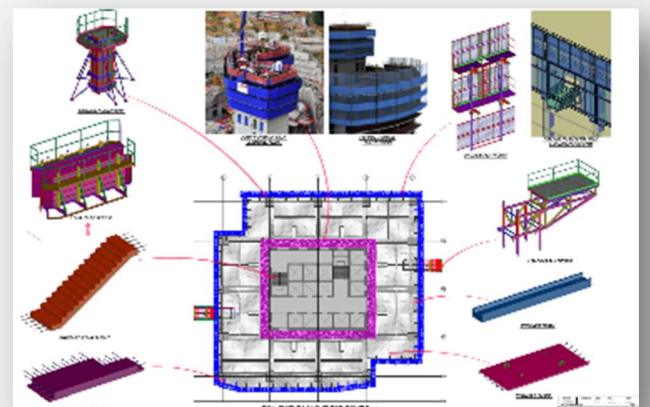
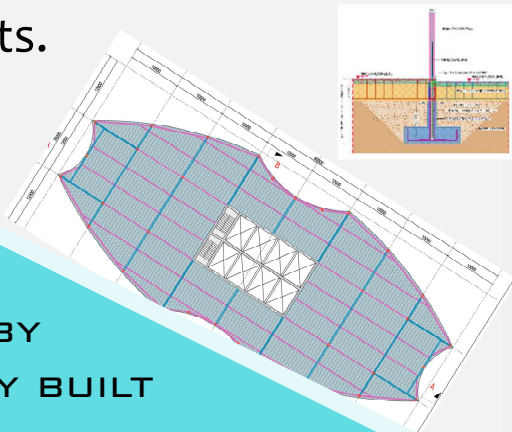
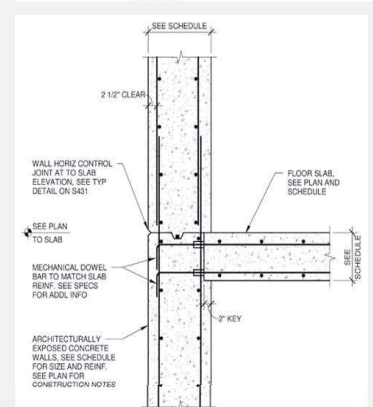
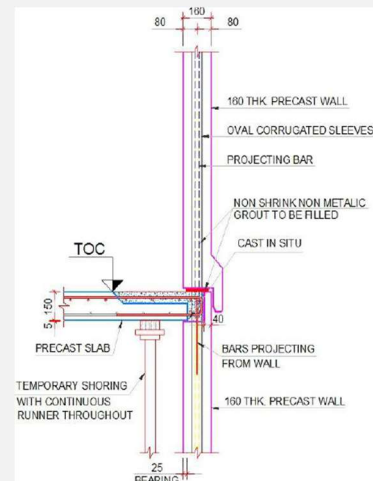
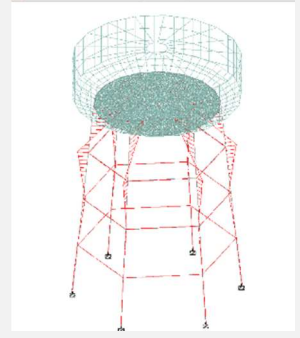
RCC STRUCTURAL DESIGN

RCC Structural Design Work includes the designing and providing of Formwork shop drawing & Rebar drawing for all type of RC Structural elements, Precast Concrete Elements, Temporary RC Elements like Counter weights, Tower Crane Foundation, etc. As well as it covers the following scopes also,

- Value Engineering
- Precast elements proposal and Design.
- PPVC Modules Design.

Our Design Process incorporates following facts:

- Design and drawings will be relate to Ensuring durability for a structure.
- Supporting any kind of loads. And withstanding compressive, tensile, bending and shear force.
- Provide insulation against sound and heat.
- Prevent from corrosion from environment and given long lifespan for a structures.
- Adequate control over the cross-sectional requirements.



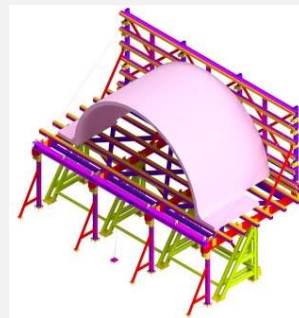
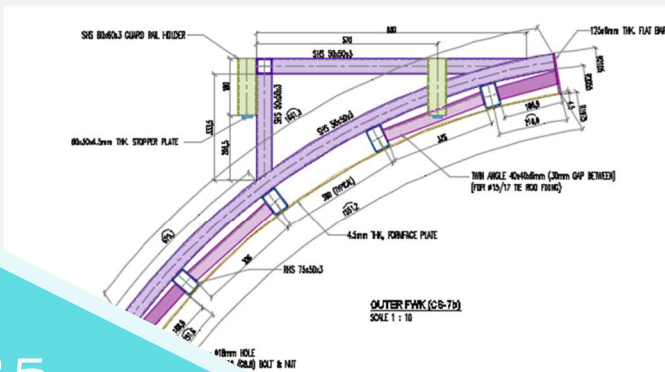
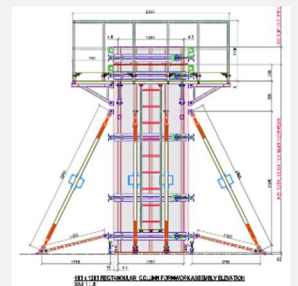
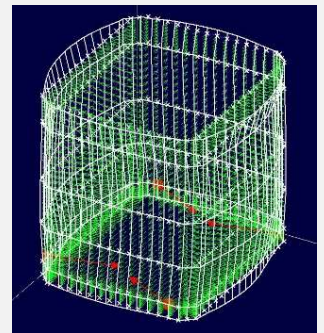
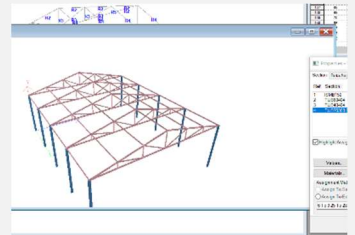
WHAT WE DO

STEEL STRUCTURAL DESIGN

Our scope of Steel Structural Design works covers Designing and providing of Fabrication/ Shop Drawings for,

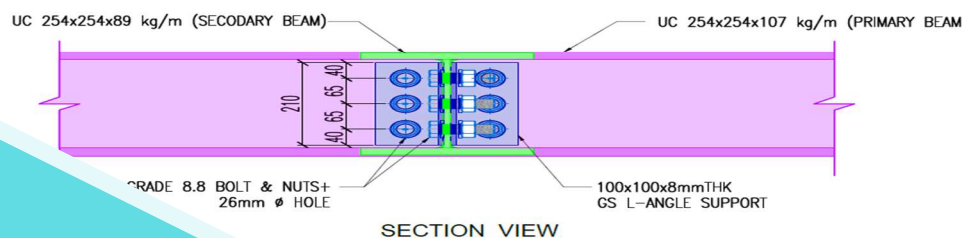
- All Temporary works.
- All Shoring and Strutting works.
- All Structural steel works (PEB Structures).
- All Metal formworks, Platforms and all kind of Precast Moulds .

A Shop drawing is the main strength of the steel fabrication industry, it is a set of drawings usually made by the fabricator, manufacturer, contractor or supplier, too often by utilizing detailing services of detailers, under contract from the owner and their drawn version of information shown in the construction documents.



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“CRAFT MEETS THE
MACHINE IN RAPID
FABRICATION”

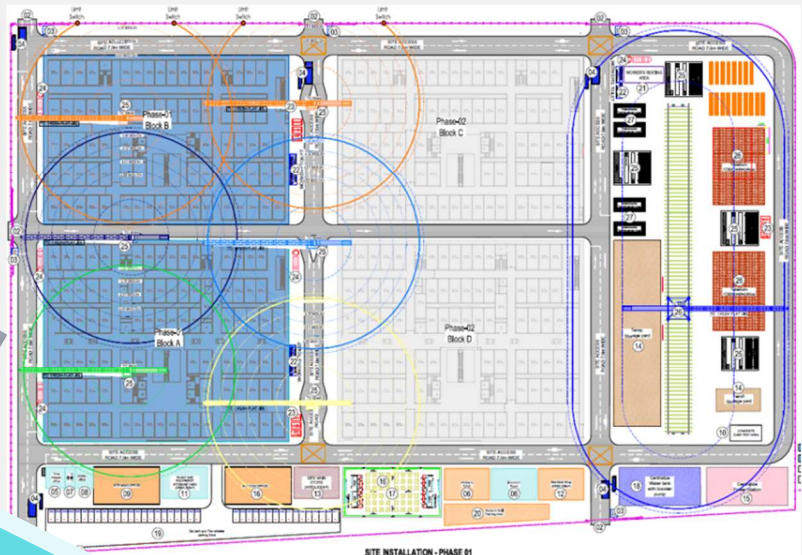
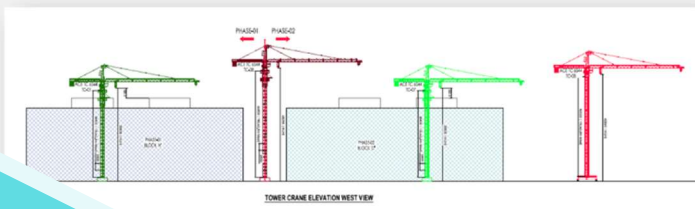
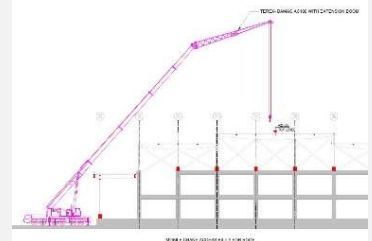


WHAT WE DO

HEAVY LIFTING STUDIES

Heavy Lifting studies and Defining lifting means and methods covers the work of Crane Lifting Plan study along with Site Installation, Crane Elevation Studies, Crane Saturation Work out, defining the Location, Type & Capacity of Cranes for various Phases of Project, etc.

Crane plays a prominent role in the Construction Work. The Capacity and Out put of Crane, we are using in a Project will define the Productivity of the Whole Project. In Super Structure Work, the selection of Tower Crane is a major work, which will ease and speed up the other Works and Activities. Tower Crane Studies, Construction Cycle and Formwork Studies will be done by us and come up with Optimistic and Efficient Solution.



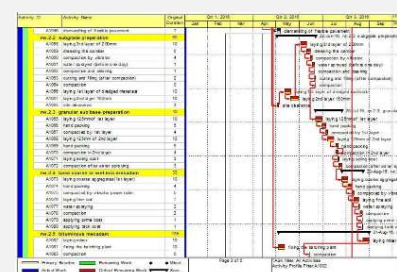
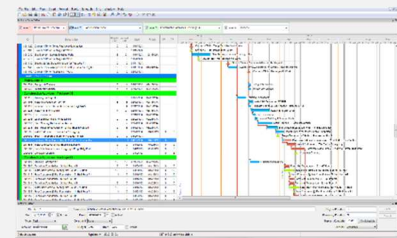
WHAT WE DO

PLANNING AND SCHEDULING

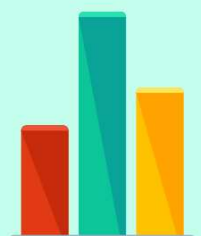
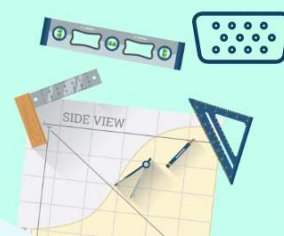
After completion of all studies and Work outs, it is our main concern to find the shortest Timeline to finish the Project in a safest Quality manner.

Our scope in Planning is not only preparing a Schedule/ Programme, it also extends to Cost estimation and comparison for respective Critical Paths, Man Power Requirement, Machinery and Equipment requirement and other things required according to the Schedule(Month wise as well as for Whole Project)

With the numerous tools, technologies, applications and frameworks that are shaping project management for the modern world and we are well ahead with it.



Project Planning and Scheduling



AREA OF INTEREST

- ☐ RCC Works/ Rebar drawings/ Cost Estimates
- ☐ Pre-Engineered Building/ Steel Structures
- ☐ Top Down Construction
- ☐ Foundation and Sub-Structure
- ☐ Super Structure
- ☐ Concrete Block Walls
- ☐ Other Partition Walls
- ☐ Grouting Works
- ☐ Controlled Demolition
- ☐ Under-Water Demolition
- ☐ RCC Demolition/ Project Management
- ☐ Non-Structural Element Demolition
- ☐ Steel Structure Demolition



THANK YOU