

An engineering drawing of a site plan or road layout is shown. It features contour lines, a grid, and various annotations. A large black crosshair is overlaid on the drawing. In the bottom right corner, a pair of metal compasses and a ruler are visible, suggesting a technical or drafting context.

# CEC

**CHARU INFRA ENGINEERING  
CONSULTANTS LLP**

A photograph showing the interior of a large, modern building. The structure is characterized by a complex, white, truss-like steel framework that supports a high ceiling. The space is open and bright, with people walking around and some vehicles parked in the foreground.

## BRIDGES

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PHONE: +91-011-41414796 EMAIL: [cec\\_je9@yahoo.co.in](mailto:cec_je9@yahoo.co.in); [charuinfra@gmail.com](mailto:charuinfra@gmail.com)

# About Us

We are a team of structural engineers with strong qualifications from India and abroad, dedicated to our profession. Our organization is equipped with the latest software like Etabs, Staad Pro, Hec-Ras, Safe, etc, for achieving the most efficient designs for our clients. All drafting work is done on Autocad.

Bridges and roadworks are considered as arteries for any country and are to be designed as such. Special loading criteria are followed for these kind of structures while maintaining the safety and economy of the project as a whole. We have the relevant experience in pile foundations, long span trusses, beams etc required for these kind of projects.

For further details and queries, visit our website – <http://www.cecengg.com/>

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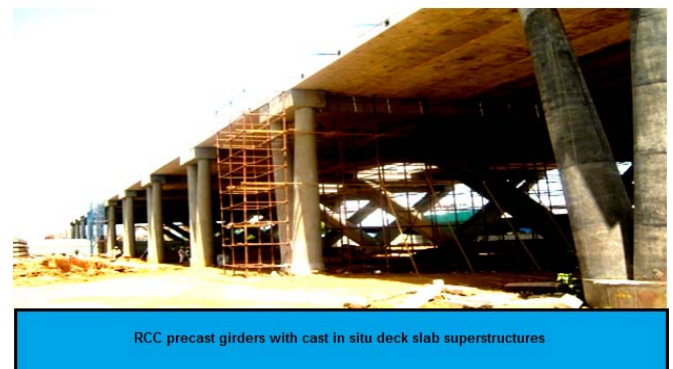
Regional office – 6/ 15/ A, Sahid Nagar,  
1st floor, Kolkata – 78  
Ph - 033-24514242

# Bridges and Flyovers

Charu Infra Engineering Consultants has provided structural engineering services for various types of bridges. We have experience in design of special structures following codal provisions for special considerations like abnormal soil conditions etc.

## OUR PROJECTS

- Flyovers connecting new domestic terminal of Chennai Airport , Client: Airport Authority of India
  - Structural design and preparation of drawings for 14.0m PSC pretension box beam
  - Structural design and preparation of drawings for 28.0m PSC post tensioned I beam superstructure
  - Structural design and preparation of drawings for RCC Y frame pier with open foundation and inverted T beam cap to support the pretension box beam
  - Structural design and preparation of drawings for cantilever pier substructures with open foundation
  - Structural design and preparation of drawings for 5 nos. RCC precast girders with cast in situ deck slab superstructures
  - Structural design and preparation of drawings for various POT-PTFE bearings
  - Inclusive of obtaining approval from I.I.T Delhi.
- Structural design and preparation of drawings for 1x36.0m steel truss bridge with RCC deck and pile foundation at Indranagar across Kabarkhala
- Structural design and preparation of drawings for 3 x 36.0m steel truss bridge with RCC deck and pile foundation at Joynagar across river Howrah
- Structural design and preparation of drawings for 3 x 30.0m steel truss bridge with RCC deck and pile foundation at Ramthakur Sangha across river Howrah
- Structural design and preparation of drawings for 2x22.0m RCC T Girder Bridge at Maheshkala market with pile foundation
- Structural design and preparation of drawings for single span of 25.0m bridge at Hezamara with pile foundation.



**TO WHOM SO EVER IT MAY CONCERN**

This is to certify that M/S Charu Engineering Consultant having office at JE-9 Khiki Extension 106-107 First Floor is engaged as structural consultant for 25 MGD Treated Effluent Pumping Station Rithala, Delhi

M/S Charu Engineering Consultant has designed and supplied complete design and drawing for 40 m span steel bridge over water way with 23 m long pile foundation for the above project at Rithala The same is commissioned in 2008 successfully

This is issued as requested by M/S Charu Engineering Consultant to participate in other Tender.

**For Subhas Project and Marketing Ltd**

*r. u. y. ch*  
-21/07/2014.

**P. K. Roy Chowdhury**  
**General Manager (Projects)**



**SPML INFRA LIMITED**

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# भारतीय विमानपत्तन प्राधिकरण AIRPORTS AUTHORITY OF INDIA

No.AAI/CAP/DGMEC-I/DTB/2012/

Dt. 29.06.2012

## TO WHOMSOEVER IT MAY CONCERN

This is to certify that M/s. Charu Engineering Consultants, having office at JE-9, Khirki Extension, 106-107, 1<sup>st</sup> floor, Malviya Nager, New Delhi is the Structural Designer, for the Chennai Airport Expansion Project. The New Domestic and International Terminals spread across 1,33,000 Sqm including basement and the cost of the project is approximately 1200 Crores.

M/s.Charu Engineering Consultants has carried out the complete structural design for the Project and same is executed satisfactorily.

The following are the main components of the project work.

1. Domestic and International Terminal Building with structural steel trusses of 55mt. span and kalzip roofing.
2. Central Substation building.
3. Elevated corridor (approx. one km length) with both pre-tension and post-tension girders.

This certificate is being issued on specific request of M/s.Charu Engineering Consultant and without prejudice to the rights of AAI in any manner.

**(Vasanthi Suresh)**

**Dy. General Manager (Engg-C)-I**

वासन्ति सुरेश  
उप महा प्रबंधक-ईजि (सिविल)  
VASANTHI SURESH  
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Airports Authority of India  
चेन्नई विमानपत्तन परियोजना  
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Chennai Airport, Chennai - 600 016.