

**Brief Report**  
**on**  
**Site visit to Uttar Pradesh Metro Rail Corporation (UPMRC)**  
**Kanpur Project on 29.07.2021**

To explore the potential of Academia-Industry mutually beneficial relationship including consultancy assignments, onsite training of students etc., department of civil engineering's envoy had visited at Kanpur metro rail project director's office on 29.07.2021. The envoy also visited Kanpur metro stations, Rolling stock depot of UPMRC, Casting Yard & quality control site office of Afcons (contractor for Kanpur Metro Project).

The envoy constituted the following members:

1. Prof. Syed Aqeel Ahmad      Head, Department of Civil Engineering
2. Mr. Zishan Raza Khan      Associate Professor, Department of Civil Engineering
3. Mr. Anwar Ahmad          Associate Professor, Department of Civil Engineering
4. Mr. Sarthak Singh Rajput    Assistant Professor, Department of Civil Engineering



Photo 1: Project Director Er. Arvind Singh (Third from right) and Er. S. C. Kanaujia (Second From right) welcoming the envoy at Kanpur Metro Project Office

At the onset, post reaching Project office, the team was welcomed by Project Director Er. Arvind Singh and Project Manager Er. S. C. Kanaujia. The discussions were held regarding prospective areas of cooperation and following potential areas of consultancy were identified:

1. Chemical Analysis of reinforcing steel and coupler
2. Chemical Analysis of water used for construction
3. Compressive strength of concrete
4. Physical & Chemical analysis of course & fine aggregate

The envoy visited the QA/QC Laboratory of Afcons casting yard, wherein quality in-charge Er. Suman Biswas explained their procedure of maintaining quality of U-Girder, I-Girder and Pier Cap.



(a)



(b)

Photo 2: Quality In-charge Er. Suman Biswas (b, Second from right) explaining the quality procedures



Photo 3: The Afcons engineers demonstrating the pre-stressing procedure at Kanpur metro project casting yard

The envoy visited under construction IIT Knapur Metro Station, wherein Project Director Er. Arvind Singh explained the first ever use of 'Double T-Girder' in India.



(a)



(b)

Photo 5(a): Double-T Girder used at IIT Kanpur Metro Station. (b) The envoy with Project Director Er. Arvind Singh



Photo 6: The envoy with Project Director Er. Arvind Singh and Executive Engineer at platform of IIT Kanpur Metro Station

The envoy also visited under construction rolling stock depot and observed the progress of the work.



Photo 7: Er. Rishi Gangwar, Chief Engineer (Civil Works) (First from Left) explaining the ongoing work to the envoy with Project Director, Er. Arvind Singh (Second from Left)

The visit concluded with positive node and both the parties agreed to enhance cooperation between UPMRC and Integral University on every possible front.