



ADHI

COLLEGE OF ENGINEERING & TECHNOLOGY

No.6, MunuAdhi Nagar, Sankarapuram, Near Walajabad,
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IN-PLANT TRAINING REPORT

Date: 21/08/2017 to 26/08/2017

Venue: Chennai Metro Rail Limited (CMRL)

Resource person met: Mr Balasubramaniam and Mr Yoganandth

Attending students:

Final year, Civil Engineering students

1. Aarthi G
2. Brindha K
3. Dhinamani L
4. Aparnalakshmi E
5. Bhuvaneshwari V
6. Andrew Franklin U
7. Mohammed Sabik A
8. Gurumoorthi V

About the In-Plant Training

The following things that we studied from this in-plant training:

- Safety in construction site about wearing helmet, jackets, shoes and other safety instruments in construction site.
- Construction of railway station and tunnel: Diaphragm wall, guide wall excavation and construction using top down and bottom up method.
- Station box, tunnel work, merits and demerits of tunnel, methods of tunneling, construction of tunnel, equipment used for tunnelling etc.,
- Saw the underground tunnel, cross passage, tunnel boring machine, samples of tunnel and launching shaft
- Soil stabilisation, soil profile in that site, grouting, shortcreting, details of top slab, base slab and station boxes.
- Construction of diaphragm wall, plunge column and stations and casting of guide wall using bentonite slurry.

- Equipment which are used in CMRL like SANYRACK which used for erection of pile.
- Existing building survey and report about the building which is demolished during tunnel work
- Preconditioning and survey alignment
- In India, only 4 machines are used,
 - Auger boring
 - Silent piles
 - Rotary drilling
 - Lock barrel and mill barrel
- Sheet pile erection using silent piles and plunge columns

PHOTO GALLERY



In the construction site with the site supervisor