



AVN INSTITUTE OF
ENGINEERING & TECHNOLOGY

**3.5.1 Copies of linkages for faculty
exchange, student exchange, internship,
field trip, on-the-job training, research**


PRINCIPAL
AVN INSTITUTE OF ENGINEERING & TECHNOLOGY
Koheda Road, M.P. Parelguda (V), Ibrahimpatnam (M),
Ranga Reddy District, T.S. -501510.

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AVN INSTITUTE OF ENGINEERING & TECHNOLOGY

S. No	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Date	Page No
1	Field Trip(Technical Tour)	HSBC Campus visit	18.4.2019	1-3
2	Field Trip(Technical Tour)	Dell Campus Visit	11.4.2019	4-6
3	FIELD TRIP (TECHNICAL TOUR)	Mission Bhagiratha, Medchal	18.03.2019	7-17
4	FIELD TRIP (TECHNICAL TOUR)	Mission Bhagiratha, Medchal	5.3.2019	33-44
5	FIELD TRIP (TECHNICAL TOUR)	BSCPL&IL PRECASTING YARD	16.08.2018 TO 18.08.2018	26-32
6	FIELD TRIP (TECHNICAL TOUR)	Water & Sewage Treatment Plant, Nagole	21.10.2017	45-52
7	FIELD TRIP (TECHNICAL TOUR)	National Academy of Construction (NAC)	15.11.2017	53-66
8	FIELD TRIP	Nagarjuna Sagar Power House,Nagarjuna Sagar (CE)	03.10.2014	67-79
9	FIELD TRIP	Dolphin Foods Pvt.Ltd	17.04.2019	80-87
10	FIELD TRIP	BHEL	13.02.2018	88-99
11	FIELD TRIP	Nagarjuna Sagar Power House,Nagarjuna Sagar (ME)	03.10.2014	7-17
12	FIELD TRIP	Mission Bhagiratha, Medchal	16/07/2017	100-109
13	FIELD TRIP	Narsingi Village, Gandipet	28.06.2016	110-124
14	FIELD TRIP	Doordarshan	10.06.2014	125-130
15	FIELD TRIP	Doordarshan	20.02.2015	131-138
16	Email Communcions	-	2015-2019	


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Rang Reddy District, T.S.-50*5*8.

ACKNOWLEDGEMENT

We are deeply indebted to the principal Dr. Y. Ellam Raj, without whose guidance and corporation tour would not been possible.

Our sincere gratitude to Head of Department Dr. S.K. Abdul Nabi Sir for giving us Permission to go for such an Industrial visit.

We also express our sincere gratitude to Mr. K. Krishna Reddy, Asst Prof., G.Dayakar Asst. Prof., who has taken a lot of efforts for getting success at each and every step and coming along with us.



HSBC CAMPUS

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Koheda Road, M.P. Patelguda (V), Ibrahimpatnam (M),
Raj. Reddy District, T.S. 501518

PURPOSE OF VISIT

Industrial visits are important for the following reasons:

1. To gain a practical knowledge of the actual working of the organization.
2. To get the practical knowledge of the project development process.
3. To adopt criteria about the management.
4. To study co-ordination between different departments.
5. How to control various circumstances.

In order to achieve the above mentioned objectives we had organized an industrial visit at HSBC Software Development Pvt. Ltd, Hyderabad for 3rd year Computer Science and Engineering Students.

Significance of the Industrial Tour:

The basic objective of having industrial tour is for studying various aspects related with different industrial units. The different techniques and methods being used in industries are studied in order to gain wide outlook concerning industrial activities for that purpose.

The industrial tour was the interface between the college life and the corporate world. All those who attended experienced the moment. It was clear that all the basic and fundamental of each subjects and programming language should be learnt thoroughly. Our students learnt how SDLC works, what is the current Scenario of Market, which programming language should be selected for career. They told us what the needs of the software development companies are, what they are expecting from us as the fresher's. They guided us how to prepare for the corporate world after completing education.

The experience of this tour was really fantastic and unforgettable. It was reverberating experience which cherished all of us. Students got valuable information from this industrial tour and they guided us how to stand in the corporate world in the era of competition. We learn a lot many more things from this tour.

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Koheda Road, M. P. Patelguda (V), Ibrahimbarani, Sangli
Pangal Roady District, T.S. 501510

Ref: HSBC/TRAINING/AVN

Date : 22.04.2019

TO WHOM IT MAY CONCERN

This is to certify that students of 3rd year in Computer Science Engineering of AVN Institute of Engineering and Technology, Koheda Road has visited our organization on 18.04.2019 for one-day training on Software Engineering by our team. Their attendance and performance during training was found excellent.

We wish them all success and well place in their life.

Your s truly,

For HSBC Software Development pvt. Ltd

Hyderabad.

This is computer generated letter and does not require signature.

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 **HSBC** 

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DELL CAMPUS

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Aneda Road, M.P. Pategurda (V), Ibrahimpatnam (M),
Ranna Reddy District, T.S.-501610

PURPOSE OF VISIT

Industrial visits are important for the following reasons:

1. To gain a practical knowledge of the actual working of the organization.
2. To get the practical knowledge of the project development process.
3. To adopt criteria about the management.
4. To study co-ordination between different departments.
5. How to control various circumstances.

In order to achieve the above mentioned objectives we had organized an industrial visit at HSBC Software Development Pvt. Ltd, Hyderabad for 3rd year Computer Science and Engineering Students.

Significance of the Industrial Tour:

The basic objective of having industrial tour is for studying various aspects related with different industrial units. The different techniques and methods being used in industries are studied in order to gain wide outlook concerning industrial activities for that purpose.

The industrial tour was the interface between the college life and the corporate world. All those who attended experienced the moment. It was clear that all the basic and fundamental of each subjects and programming language should be learnt thoroughly. Our students learnt how SDLC works, what is the current Scenario of Market, which programming language should be selected for career. They told us what the needs of the software development companies are, what they are expecting from us as the fresher's. They guided us how to prepare for the corporate world after completing education.

The experience of this tour was really fantastic and unforgettable. It was reverberating experience which cherished all of us. Students got valuable information from this industrial tour and they guided us how to stand in the corporate world in the era of competition. We got to learn a lot many more things from this tour.

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Ranga Reddy District, T.S.-501510.



Technologies

Cyber Gateways, Plot No, 42,
HITECH City Rd, Near,
Madhapur, Hyderabad,
Telangana 500081

TO WHOM IT MAY CONCERN:

This is to certify that students of 4th year in Computer Science and Engineering of AVN Institute of Engineering and Technology, Koheda Road have visited our organization on 11-04-2019 for one day cooperate training on by our team. Their attendance and performance during training was found excellent.

This authorization is valid until further written notice from the applicant.

Sincerely Yours,




Dell computer Corporation

REMARK:

1. This authorization letter will be sent along with your application when filing with the Certification Division.
2. Please follow the format and type it on company letterhead and send original to us.
3. Authorized signature must be in agreement with grantee code contact in FCC database.

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PATEL GUDA, KOHEDA ROAD, IBRAHIMPATNAM (M), R.R.Dist., 501 510, A. P.
Ph.No. 08415 – 201555, Cell No.:9246172317, www.avniet.ac.in, Email:avn.principal@gmail.com

DEPARTMENT OF CIVIL ENGINEERING
Report on
Site visit , Medchal
on
3rd April, 2019




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Rangareddy District, T.S. 501510

AVNIET has been conducted one day technical visit to Site visit , at Medchal on 3rd April, 2019. More than 50 students & 6 faculties visited Narsing village. This Industry-Institute Relationship visit organized by department of Civil Engineering, AVNIET, Hyderabad.

Details of visit

Name of the place : Medchal

Name of the project : Construction of building

Name of the works : detailing of footings, plinth beam and column,

ORAGANISATION : Department of Civil Engineering

Date of visit : 3rd April, 2019

No of stufents visited : 50

No of Faculties visited : 6

Batch : III Year Students 2016-20

Incharge : Mr. Srisailam


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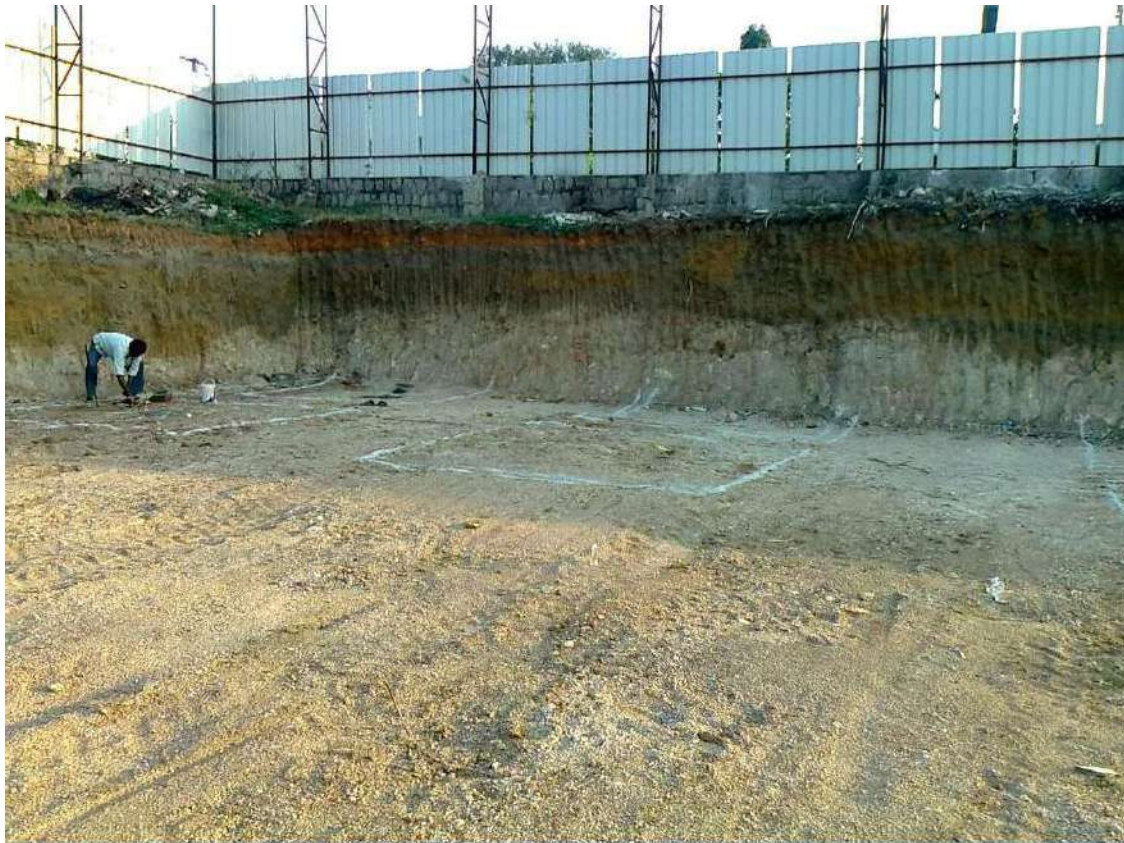



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DEPARTMENT OF CIVIL ENGINEERING

Report on
Mission Bhagiratha, Medchal
on
5th March, 2019




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AVN INSTITUTE OF ENGINEERING & TECHNOLOGY
Koheda Road, M.P. Patelguda (M), Ibrahimpatnam (M),
Raichur Reddy District, T.S. 501 510

AVNIET has been conducted one day technical visit to Mission Bhagiratha project at Medchal on 5th March, 2019. More than 50 students & 6 faculties visited Medchal. This Industry-Institute Relationship visit organized by department of Civil Engineering, AVNIET, Hyderabad.

Details of visit

Name of the place : Mission Bhagiratha, Medchal

Name of the project : Construction of water tank

Name of the works : Detailing of footings, plinth beam and column,

ORAGANISATION : Department of Civil Engineering

Date of visit : 5th March, 2019

No of stufents visited : 50

No of Faculties visited : 6

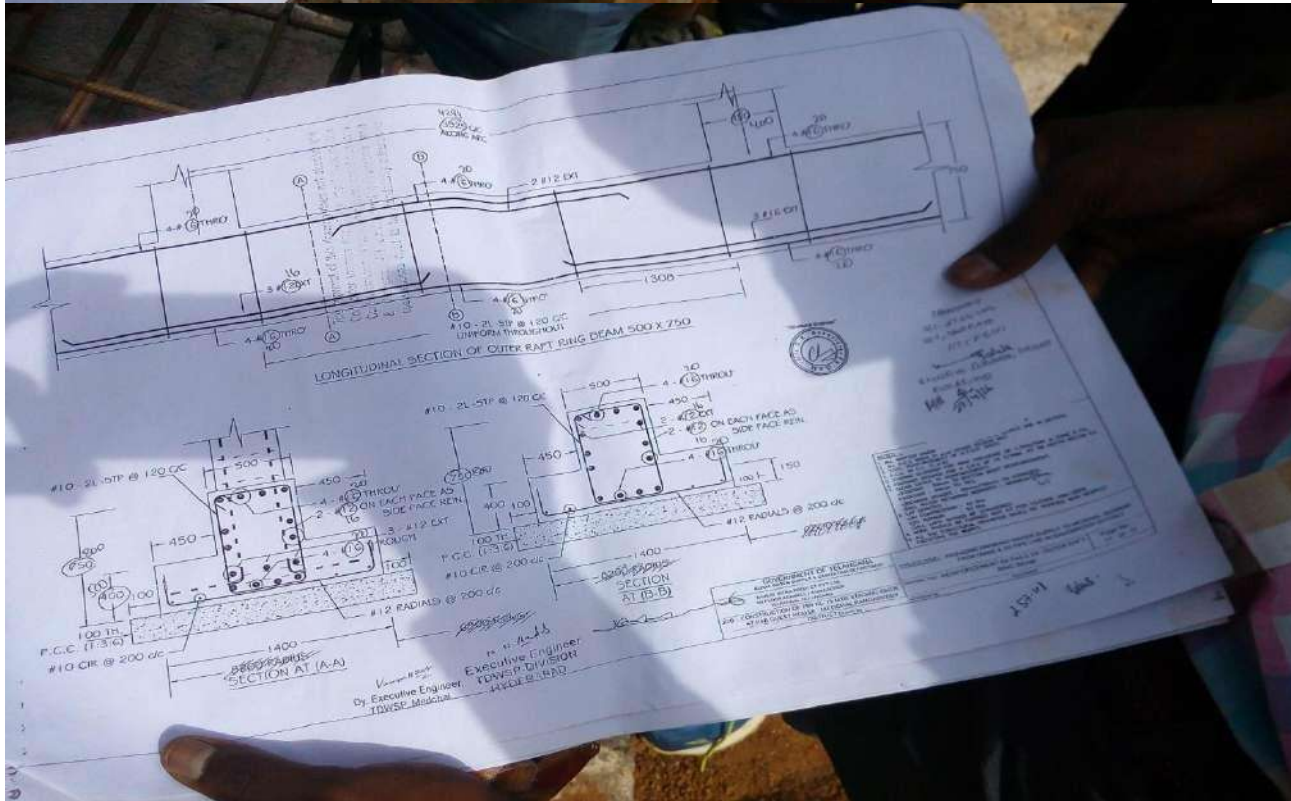
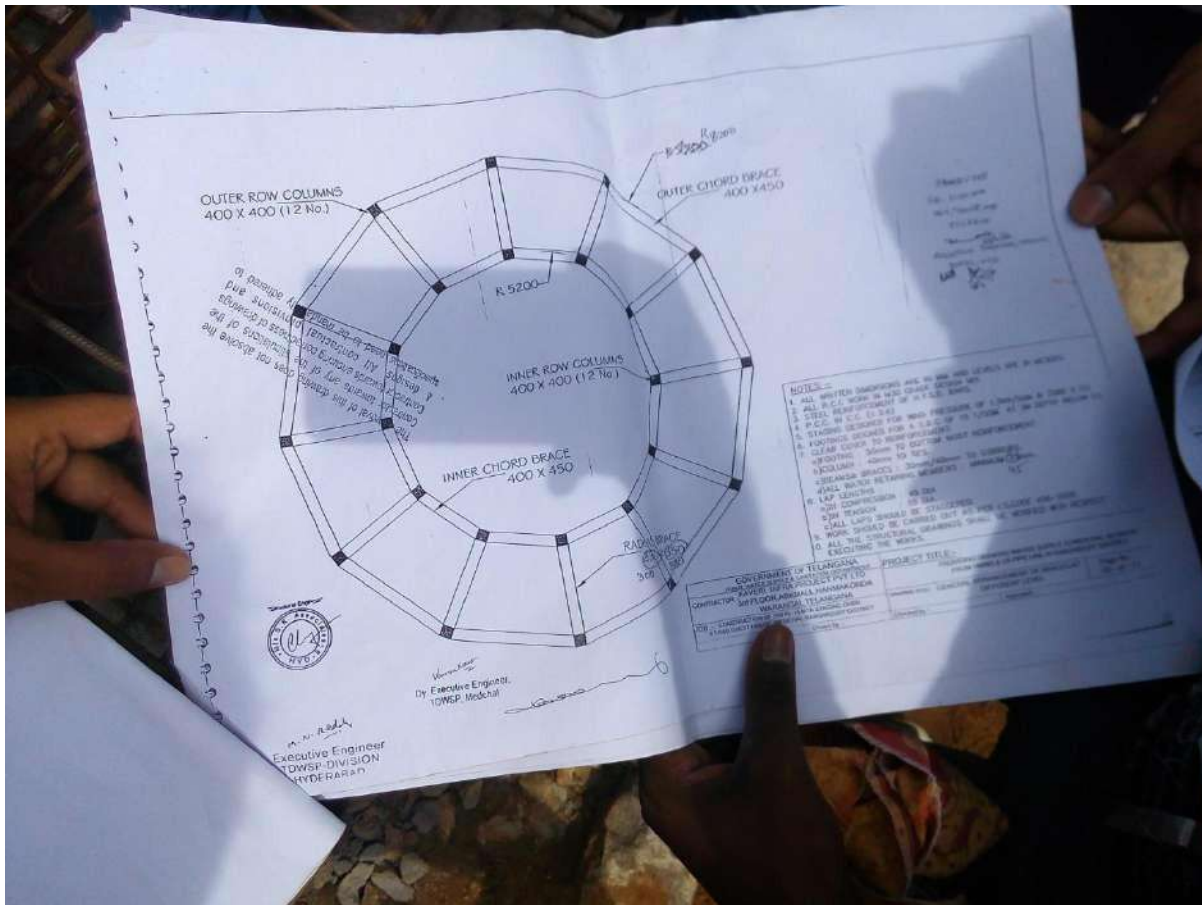
Batch : Final Year Students 2015-19

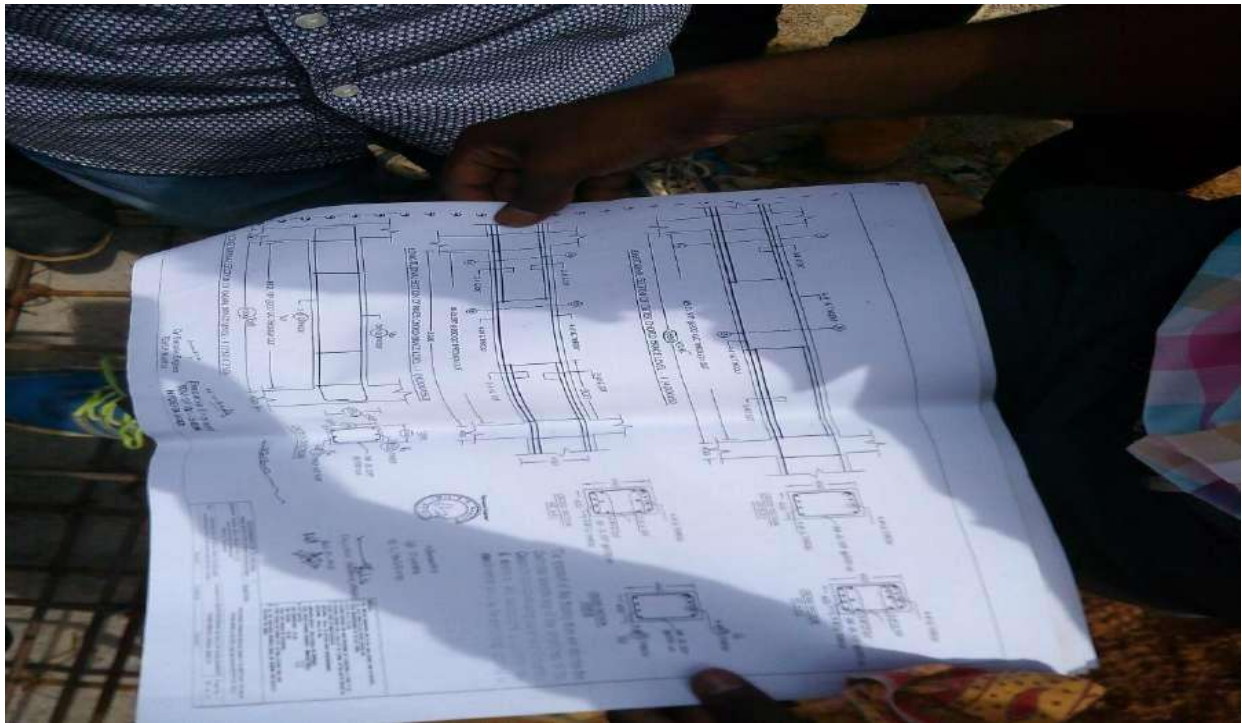
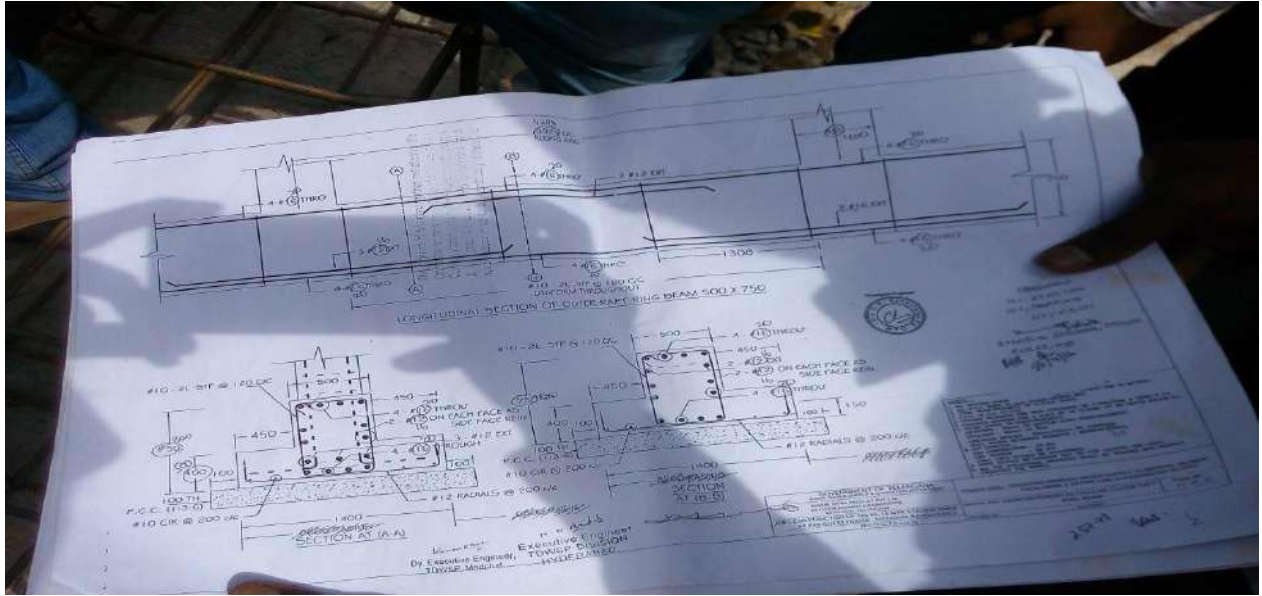
Incharge : Dr. MD. Subhan


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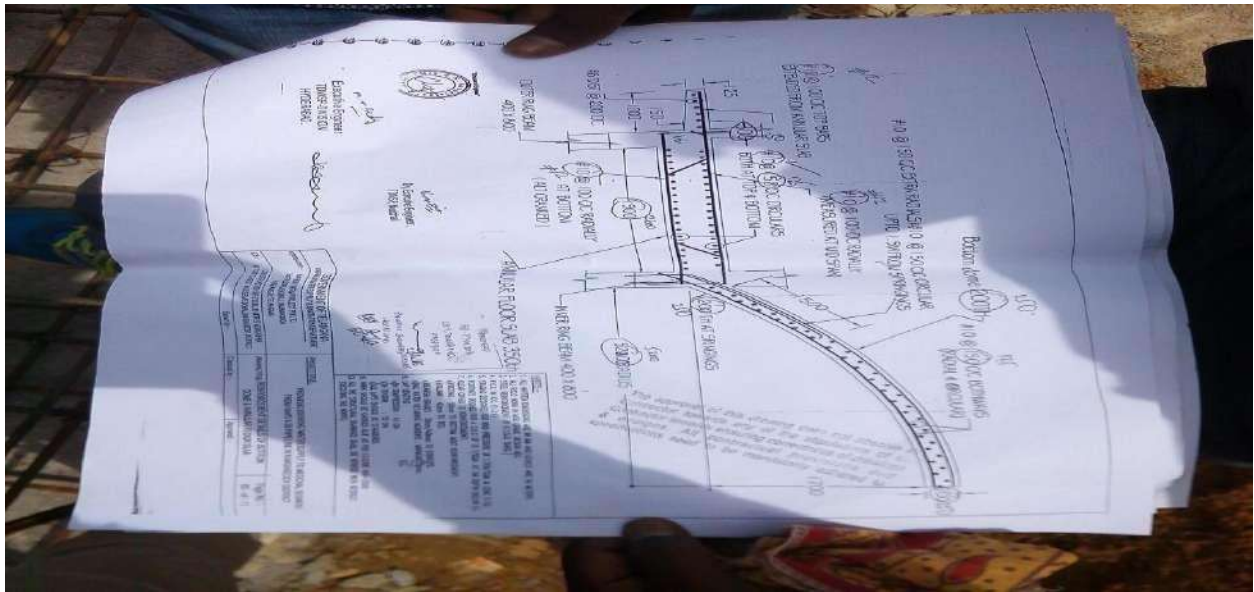
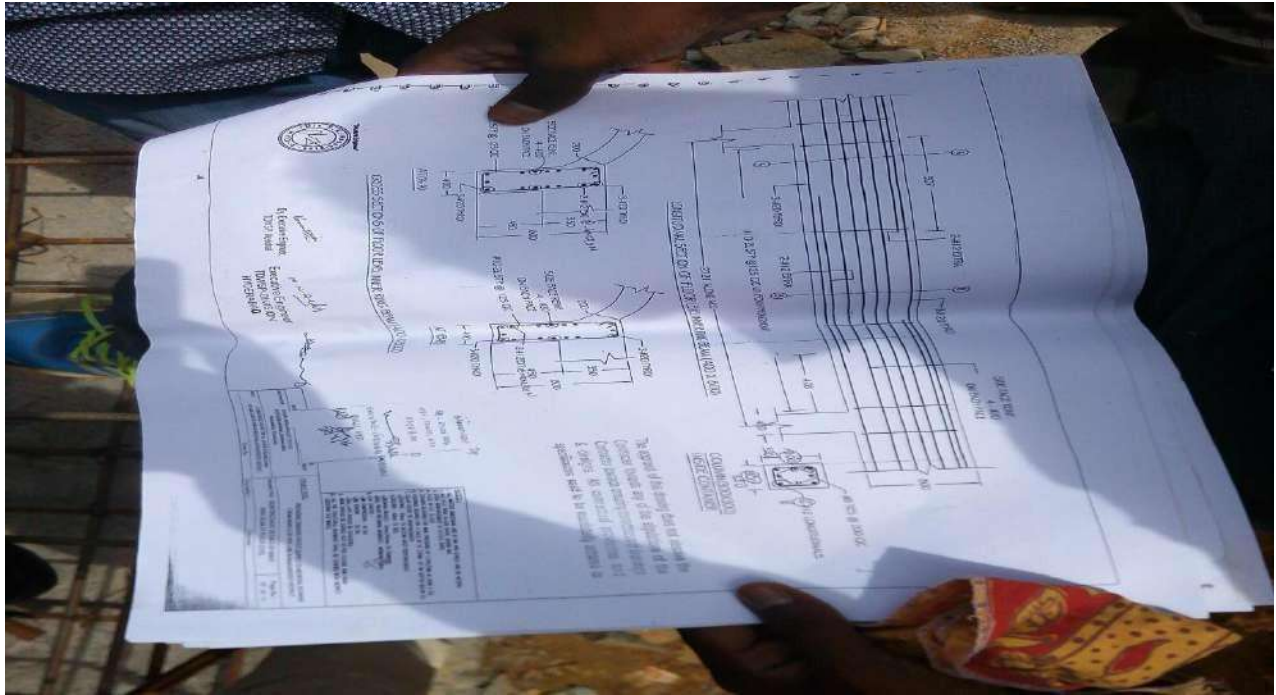
Site Visit at Medchal



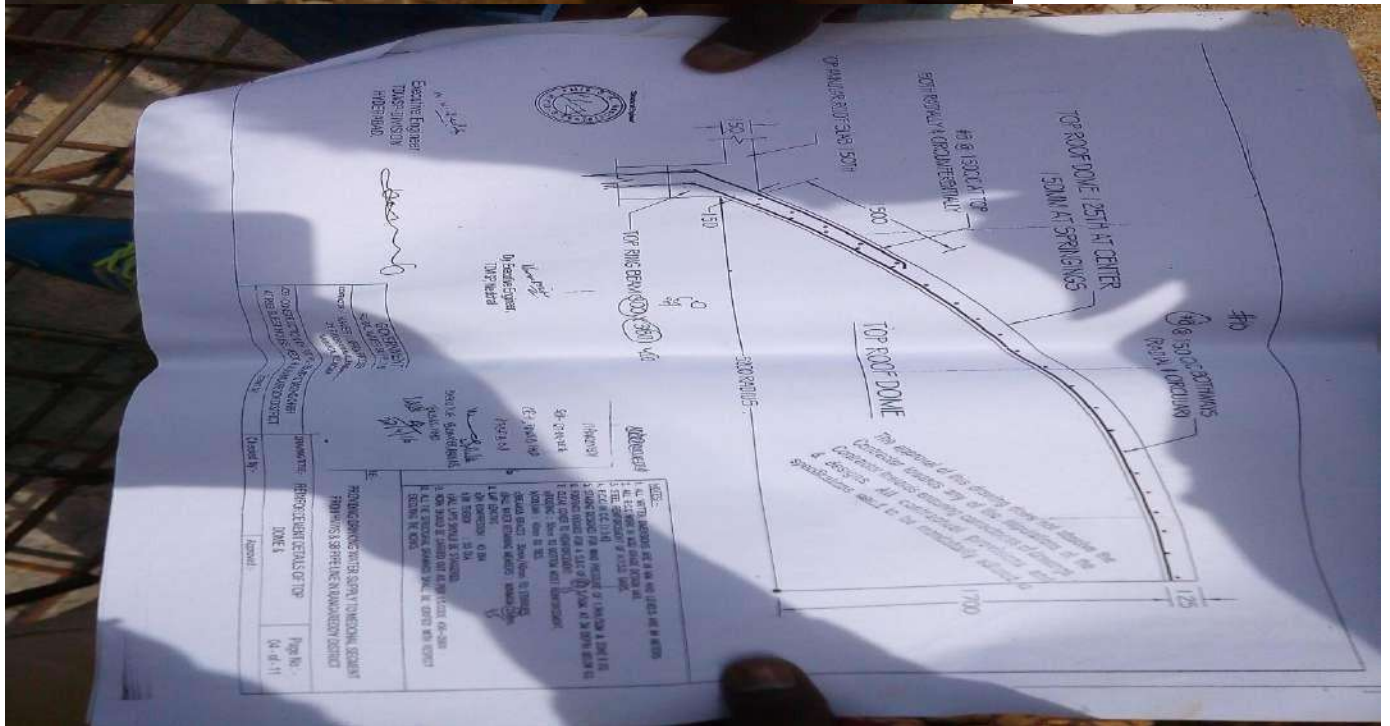
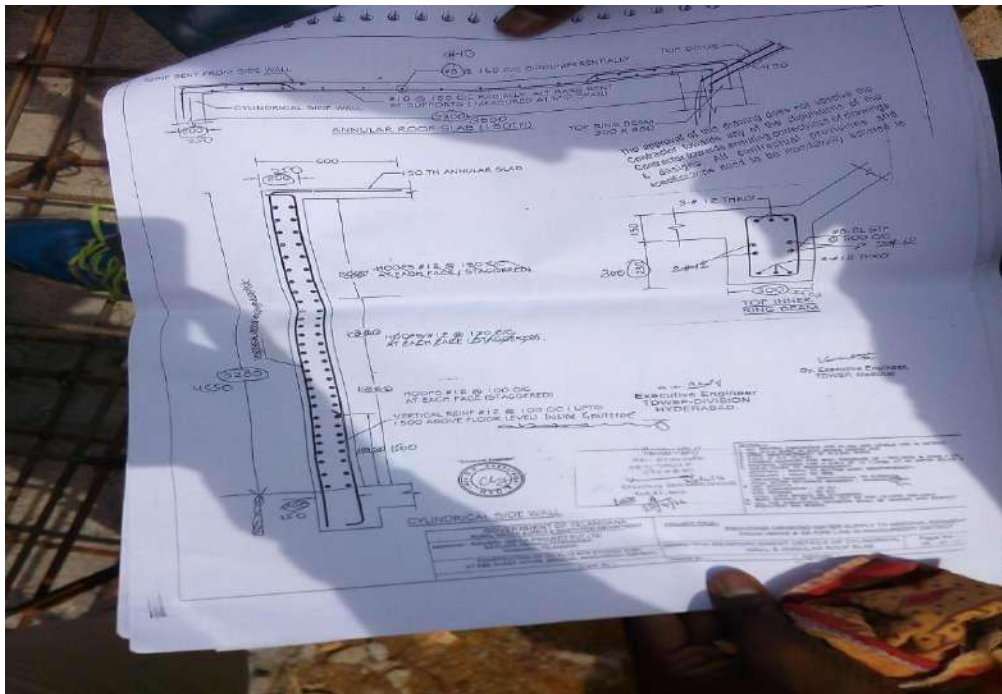




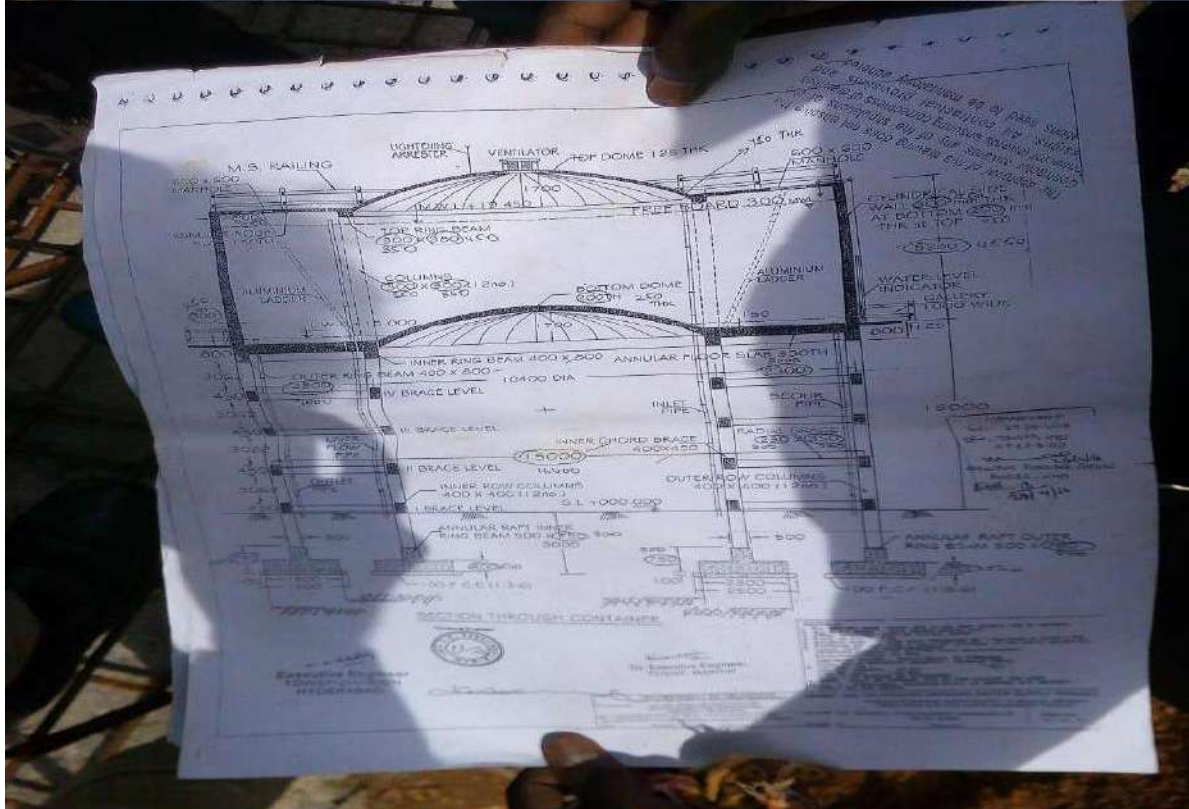
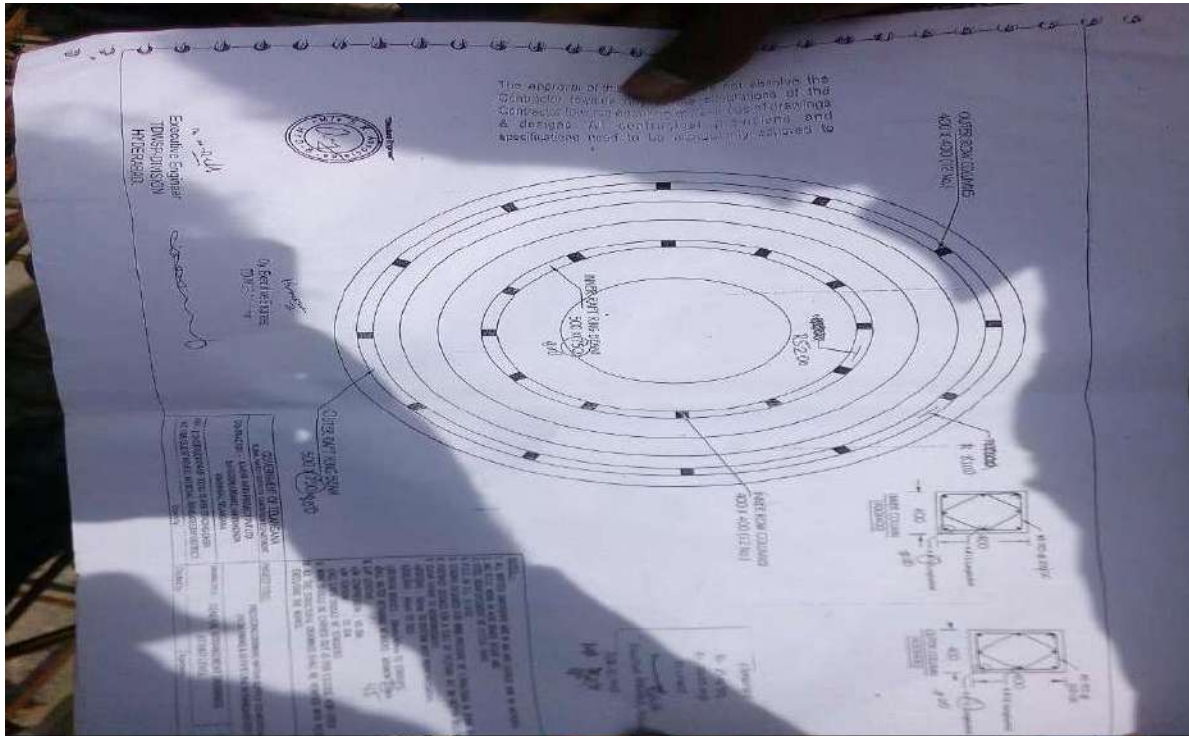

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 Raip Reddy District, T.S. 505 107



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DEPARTMENT OF CIVIL ENGINEERING
Report on
Water & Sewage Treatment Plant, Nagole
on
18th March, 2019




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Koheda Road, M.P. Patelguda (V), Ibrahimpatnam (M),
Rang Reddy District, T.S. 501510

AVNIET has been conducted one day technical visit to Water & Sewage Treatment Plant, Nagole on 18th March, 2019. More than 50 students & 6 faculties visited Nagole. This Industry-Institute Relationship visit organized by department of Civil Engineering, AVNIET, Hyderabad.

Details of visit

Name of the place : Water & Sewage Treatment Plant, Nagole

Name of the project : Water & Sewage Treatment Plant

Name of the works : purification of water,

ORAGANISATION : Department of Civil Engineering

Date of visit : 18th March, 2019

No of stufents visited : 50

No of Faculties visited : 6

Batch : III Year Students 2016-20

Incharge : Mr. Shivarajappa


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Rang Reddy District, T.S. 505108

HMWSSB, Hyderabad

Background and Project Details:

- 1.0 HMWSSB prepared and submitted to the Government of India for approval to the project proposals to contain the dry weather flows entering into river Musi from 18 Nos of open nalas from either side of river and transmitting it through conveying mains to the nearby Sewage Treatment Plants proposed under the project for treatment and disposal of the effluents into the river after attaining river disposable standards.
- 1.1 The project was administratively approved by Ministry of Environment & Forests, Govt. of India, for Rs.339.08 Crores vide NRCD's Lr.No: J-39014/5/2001-NRCD-II, dt:5th April 2004
- 1.2 As regards to implementation programme, the work of 2 STPs at Amberpet and Nagole are in progress and for the other 3 STPs, the Land Acquisition is at final stages. The other conveying mains, interception and diversion units are also taken up to divert the dry weather flows from the open nalas.
- 1.3 The works under the project are likely to be completed by June'2007 and commissioned by Dec'2007.

2.0 Salient Features of the Project:

Project Cost

Rs.339.08 Crores

(Revised Administrative approval, vide GOI, Ministry of Environment & Forests, NRCD's Lr.No: J-39014/5/2001-NRCD-II, dt:5th April 2004)

Project Implementation Period

36 Months up to June 2007

Funding Pattern:

GOI Share (70%)

Rs.237.356 Crores

GoAP Share (30%)

Rs.101.724 Crores

2.1 Project Details:

Sewage Treatment and Disposal in Mld.

Amberpet	339
Nagole	172
Nallacheruru	30
Ziaguda	21
Nandimusalaiguda	30

Total

592 Mld

Conveying mains for 33 Kms long from all the 17 I&D structures to STPs nearby for conveying the Dry Weather Flows from open nalas.

2.2 Amberpet STP (339 Mld capacity)

Name of Agency

Cost of work

UASB Reactors

Inlet Works

Main Pumping Station

Lagoons & Polishing Pond

2.3 Nagole STP (172 Mld capacity):

Name of Agency

Cost of work

UASB Reactors

Sludge Drying Beds

Chlorine Contact Tank

2.4 Nallacheruvu (30 Mld capacity):

Name of Agency

Cost of work

2.5 Attapur STP (51 Mld):

As land was not available for construction of the above 2 STPs, it was proposed to construct a combined STP of 51 Mld at alternate site of Attapur. In respect of 51 MLD combined STP at Attapur in lieu of two STPs at Nandimuslaiguda and Ziaguda, two DPRs with alternative technologies are got prepared through consultants and the same are submitted to NRCD, GoI, for its approval.

2.6 Conveying Mains & I & D Structures:

Ramanthapur main - 8 Kms

NIS main - 4 Kms

SIS main (Pack-1) - 4.165 Kms

Work in brisk progress

M/s.Nagarjuna Constn. Company Ltd (JV)

Rs. 84.67 Cr.

Concreting work completed for 20 reactors Balance work in progress.

70% work completed. Mechanical equipment procured

Raft foundation completed, side wall work in progress, pumping equipment procured

Bund formation in progress

Work in progress

M/s. Ramky Infrastructure Ltd., Hyd

Rs.44.79 Crores

Raft slab completed for 9 reactors, side wall in progress for 5 reactors.

Work in progress

Work in progress

Work let out

M/s. Ayyappa Constructions, Hyd (JV with M/s.GS Jolly Envo Ltd., New Delhi)

Rs.12.00 Crores


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SIS main (Pack-2) - 4.3 Kms
 SIS main (Pack-3) - 5.2 Kms
 Duplicate 'A' Main - 2.67 Km
 Duplicate 'A' Main(Pack-2) - 2.33 Km

Manufacturing of pipes is in progress.

Estimate stage

Manufacturing of pipes is in progress.

Estimate stage.

I & D Structures

7 are in progress, 4 works let out, 3 works in tender stage. Balance 5 I&Ds will be taken up along with Attapur & Nallacheruvu STPs.

3.0 Funds Released:

i) Govt. of India

Rs.63.13 Crores

ii) GoAP

Rs.46.58 Crores

Total

Rs.109.71 Crores

3.1 Expenditure incurred so far

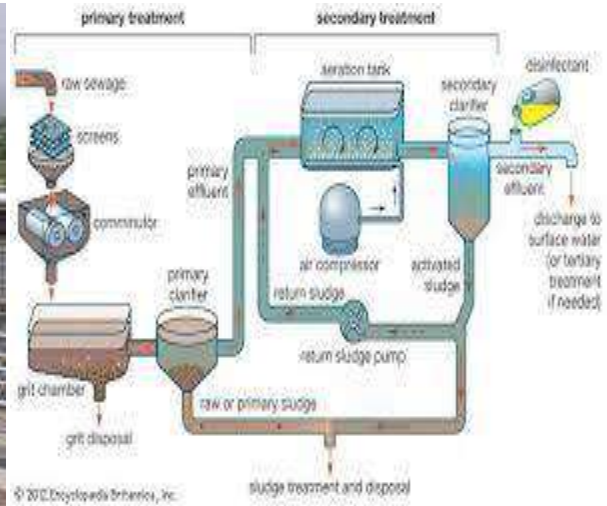
(including land acquisition)

Rs.92.14 Crores

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Water & Sewage Treatment Plant, Nagole




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TECHNICAL VISIT
TO
BSCPL&IL PRECASTING YARD FOR ONGOING
FLYOVER CONSTRUCTION & UNDERPASS
ON
18/8/2018
AT
DESHMUKHI VILLAGE, HYDERABAD


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DEPARTMENT DETAILS

- **The Department of Civil Engineering Organized a One Day Technical Visit to BSCPL&IL Precasting Yard at Ongoing construction of Flyover & Underpass at LB Nagar.**
- **To study the Power Production process and inflow/outflow of the dam on 18/08/2018.**
- **The visit was organized with the permission of principal – Dr. Y.ELLAMRAJU under the guidance of prof. & HOD Dr.MD.SUBHAN, along with the staff**

(i) T.AJITH, Asst.Prof.

(ii) J.KISHORE, Asst.Prof.

(iii) A.JAVEDALI, Asst.Prof.

(iv)G.ANUSHA, Asst.Prof

(v)P.MALLIKARJUN, Asst.Prof

(vi)B.ANJANEYULU, Asst.Prof

- **Total students of B.tech IV year&III (A&B) Sections with 6 faculty members have joined this site visit.**


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DETAILS OF JOURNEY

- We started travelling from AVNIET to DESHMUKHI Village at 10.00am on 18/08/2018.
- We reached to BSCPIL&IL by 11.00 am
- We collected all the required data of prestressing systems & post tensioning systems.
- We also studied all the modern techniques & Technology used in modern construction.
- Students observed the techniques & modern Construction Techniques & also Tendons.
- We arrived to our college by 4.00pm, on the same day.


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Razm Reddy District, T.S. 501118



HOD & Staff Members with Students

GENERAL INFORMATION ON ONGOING PROJECTS

S.NO	CORRIDOR	NAME OF CLIENT	NAME OF COMPANY	TYPE OF CONSTRUCTION
1	KAMINENI HOSPITAL JUNCTION	GHMC	BSCPL&IL	UNDERPASS
2	ARAMGHAR JUNCTION	GHMC	BSCPL&IL	UNDERPASS
3	AYYAPA SOCIETY	GHMC	BSCPL&IL	UNDERPASS
4	LB.NAGAR	GHMC	BSCPL&IL	UNDERPASS
5	OWASI HOSPITAL	GHMC	BSCPL&IL	UNDERPASS
6	RAHEJA MINDSPACE	GHMC	BSCPL&IL	UNDERPASS
7	KAMINENI HOSPITAL JUNCTION	GHMC	BSCPL&IL	
8	HAYATHNAGAR-DILSHUKNAGAR	GHMC	BSCPL&IL	FLYOVER
9	BAIRAMALGUDA	GHMC	BSCPL&IL	FLYOVER
10	OWAISI HOSPITAL	GHMC	BSCPL&IL	FLYOVER
11	BALANAGAR	GHMC	BSCPL&IL	FLYOVER
12	JBS-THUMUKUNTA	GHMC	BSCPL&IL	FLYOVER
13	BIODIVERSITY PARK	GHMC	BSCPL&IL	FLYOVER
14	MALAYSIAN TOWNSHIP	GHMC	BSCPL&IL	FLYOVER
15	RAHEJA IT-PARK	GHMC	BSCPL&IL	FLYOVER
16	JUBLIE HILLS ROAD NO-45	GHMC	BSCPL&IL	FLYOVER

SAILABLE FEATURES OF THE STRUCTURES

- **JBS-THUMUKUTA (18.5 KMS) IS GOING TO BECOME INDIAS BIGGEST FLYOVER**
- **AS PER GREATER HYDERABAD STRATERGIC DEVELOPMENT PROGRAMME TOTAL 18 FLYOVERS AND UNDERPASSES ARE APPROVED IN AND AROUND HYDERABAD**
- **A NEW TECHNOLOGY HAS BEEN INTRODUCED BY PRACTICING ENGINEERS IN INDIA, THAT TOO IN HYDERABAD BY CONSTRUCTING KAMINENI FLYOVER(LB NAGAR FLYOVER) IN 16 MONTHS WITH PRESTRESSED POST-TENSIONED FOR**

SUBSTRUCTURE(VERTICAL SEGMENTS). A MOVE FORWARD IN THE RIGHT DIRECTION


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CHINTULKUNTA UNDERPASS



TECHINICAL ASPECTS OF THE PRESTRESSING AND POST TENSIONING SYSTEMS BY OFFICIALS



TYPICAL REINFORCEMENT DETAILS ARE EXPLAINED BY HOD-SIR.


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SIDE WISE REINFORCEMENT FOR FLYOVER

Thanking you sir

HOD-CIVIL


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Rayachoti Reddy District, T.S. 501518

HYDERABAD METROPOLITAN WATER SUPPLY AND SEWERAGE BOARD

Lr No. CGM(E)QC&VC/HMWSSB/2016-17/261

Date: 17/10/2017

From
Chief General Manager (E)
Quality Control and Vigilance Circle,
HMWS&SB,
Khairatabad,
Hyderabad.

To
AVN Institute of Engineering &
Technology
Koheda Road, M.P. Patelguda
M.P. Patelguda, Ragannaguda Post,
Ibrahimpattam (M), RR Dist

Sir,

Sub. HMWSSB AVN Institute of Engineering & Technology 4th year B Tech (Civil Engineering) - Educational visit to Waste water Treatment Plant - permission accorded Regarding

Ref. Letter from HOD of AVN Institute of Engineering & Technology Dated 17 10 2017

@@@


With reference to the subject cited above the following AVN Institute of Engineering & Technology 4th year B Tech (Civil Engineering) 120 students along with 6 Faculty are permitted to carry out to visit Waste Water Treatment Plant at Nagole on 21 10 2017

The Students are instructed to take all safety and precautionary measures during study period at STPs and, that the HMWSSB does not take any responsibility if any untoward incident happens


Yours Sincerely,

Chief General Manager (E),
Quality Control and Vigilance Circle,
HMWS&SB, Khairatabad, Hyd

Copy to Sri C. Bheem Rao, Cell No. 9989998217, General Manager(E) STP Div-II Nagole HMWSSB, Hyderabad for information and instructed to depute a person for briefing the STP.


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**TECHNICAL VISIT
TO
SEWAGE TREATMENT PLANT
ON
21/10/2017
AT
NAGOLE**



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Rang Reddy District, T.S. 501518

AV N INSTITUTE OF ENGINEERING TECHNOLOGY
CIVIL ENGINEERING DEPARTMENT
TECHNICAL VISIT REPORT

OBJECTIVE: Apart From the Class Room Teaching to Expose the Students in field and to gain Practical Knowledge, Field visits are necessary because of that, The IV B. Tech, I- Semester Students along with Faculty Members Visited the Sewage Treatment Plant (STP) at Nagloe. To know how the Municipal sewage Treatment Technology for the sustainable and Eco friendly environment.

ABOUT NAGOLE SEWAGE TREATMENT PLANT:

Nagole Sewage Treatment Plant Is Located at Nagole. The Capacity of Nagole Treatment Plant is 172 MLD Daily. This STP Receives the Municipal Sewage From Six Different Parts of Hyderabad City Named as IND^S (Internal Nala Diversion). The STP Is Under the Supervision of **HMWSSB** and Maintained By Private Agency.


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DEPARTMENT DETAILS

- The Department of Civil Engineering Organized a One Day Technical Visit to SEWAGE TREATMENT PLANT, Nalgole.
- To study the sewage treatment methods and inlet/outlet parameters of the sewage treated in STP and Effluent standards on 21/10/2017.
- The visit was organized with the permission of principal – Dr. Y.ELLAMRAJU under the guidance of prof. & HOD Dr.MD.SUBHAN, along with the staff
 - (i) SHIVARAJAAPPA, Professor.
 - (ii) P MALLIKARJUN, Asst.Prof.
 - (iii) A.ANDALU, Asst.Prof.
 - (iv) ANUSHA, Asst.Prof.
 - (v) A HARSHITHA, Asst.Prof.
 - (vi) B ANJANEYULU, Asst.Prof.
- Total students of B.tech IV year (A&B) Sections with 6 faculty members have joined this site visit.


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Rang Reddy District, T.S. 505 518


DETAILS OF JOURNEY

- We started travelling from AVNIET to NAGOLE STP at 10:00AM on 21/10/2017.
- We reached to NAGOLE STP by 11.00AM.
- We collected all the required data in STP.
- We study various stages of sewage treatment in STP.
- Students Observed the inlet arrangements, screening, pump house, secondary screens, sludge removal, UASB Reactors, Aeration tanks, lagoons, Disinfection of treated sewage and finally disposal of treated sewage.
- We arrived to our college by 3:30PM. On the same day.


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STUDENTS LEARNED ABOUT THE FOLLOWING THINGS DURING THE FIELD VISIT TO NAGOLE STP:

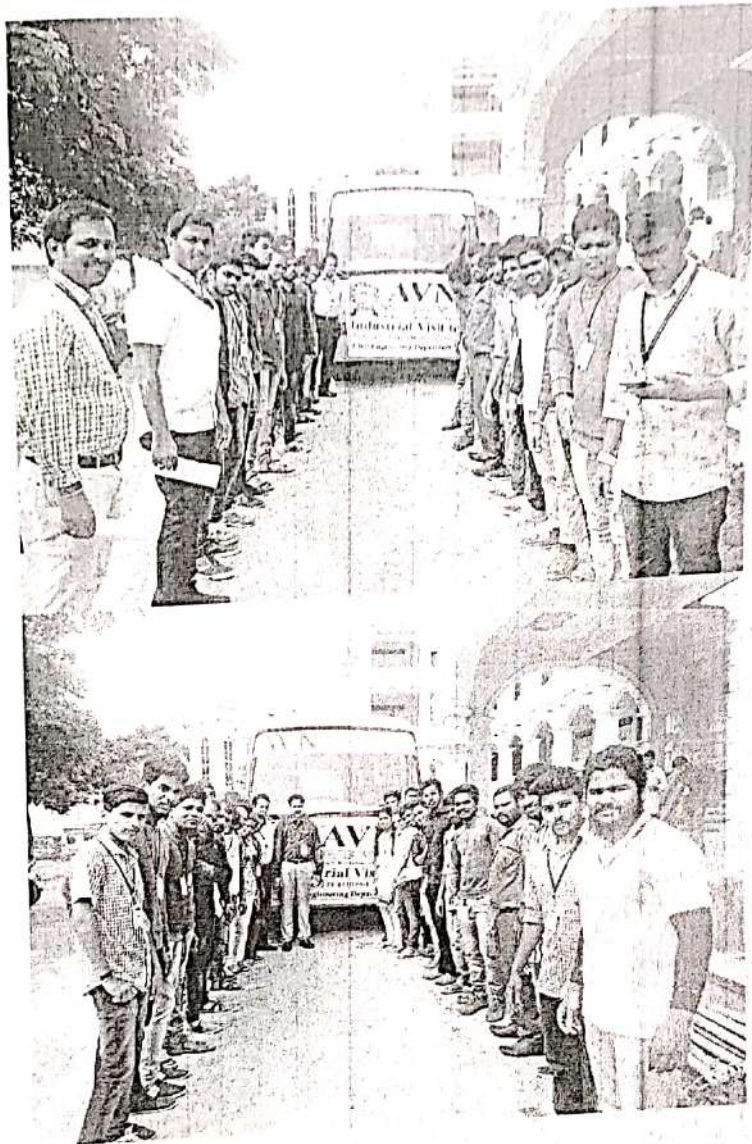
- This STP Treats Municipal Sewage of Hyderabad city.
- The plant capacity is 172 MLD of Sewage.
- The Plant Receives the Sewage from different parts of Hyderabad city.
- Six IND^s (INTERNAL NALA DIVERSION) from different parts of the city.
- Sewage is carried to plant site through pipe lines.
- A barrage is constructed to divert the sewage in to the inlet of the plant.
- Primary screens are installed to remove the bigger waste materials from sewage, size of screens are 20cmX20cm.
- After screening sewage is collected in tank.
- Six pumps each of capacity 300HP.
- Sewage is pumped to next stage through pipe lines.
- Grit is removed and lifted and disposed off.
- Sludge is removed and send to sludge drying beds
- Sewage is send to UASB Reactors where it is digested.
- Making use of the gases (methane), power is generated.
- The generated power is utilized for the operating the various pumps in the STP.
- Next stage is Aeration of treated effluent.
- Lagooning of sewage for a detention time of 24 hrs.
- Next stage is disinfection of treated sewage using liquid chlorine at the rate 10kg /hr, 240kg of chlorine is consumed per day for disinfection, A hourly record is maintained in the STP.
- Finally the treated sewage brought within the permissible limits for the disposal.


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PARAMETERS OBSERVED ON 20-10-2017

S.NO	PARAMETER	UNITS	INFLUENT	EFFLUNT	EFLUENT STANDERDS
1	pH	ppm	7.21	8.05	5.5 - 9
2	Temperature	⁰ C	27.1	27.4	-
3	Dissolved Oxygen	mg/L	0	4.7	1 - 5
4	Total Suspended Solids	mg/L	238	14	< 50
5	Volatile Suspended Solids	mg/L	150	10	-
6	Total BOD 3 Days	mg/L	200	12	< 30
7	Filter BOD 3 Days	mg/L	110	10	-
8	Total COD	mg/L	379	74	< 250
9	Filter Cod	mg/L	180	52	-
10	Fecal Coli form	MPN/100ml	2.2X10 ⁵	1470	< 10000


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HOD & Staff Members with Students


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Explanation about Plant Details


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TECHNICAL VISIT

TO

NATIONAL ACADEMY OF CONSTRUCTION (NAC)

ON

15/11/2017

AT

NAC CAMPUS, GACHIBOWLI,

HYDERABAD


PRINCIPAL
AVN INSTITUTE OF ENGINEERING & TECHNOLOGY
Koheda Road, M.P. Patelguda (V), Ibrahimpatnam (M),
Rangareddy District, T.S. 501510

DEPARTMENT DETAILS

- The Department of Civil Engineering Organized a One Day Technical Visit to National Academy of construction, Gachibowli, Nac Campus, Hyderabad.
- To impart the practical knowledge to the students and new construction Technology and different new techniques used in modern construction like Precasting (Used in L&T Metro) .and also to fill the Gap Between Theory and Practice.
- The visit was organized with the permission of principal – Dr. Y.ELLAMRAJU under the guidance of prof. & HOD Dr.MD.SUBHAN, along with the staff
 - (i) T.AJITH, Asst.Prof.
 - (ii) P.MALLIKARJUN, Asst.Prof.
 - (iii) B.ANJANEYULU, Asst.Prof.
 - (iv) G.ANUSHA, Asst.Prof
 - (v) A.KRISHNAKANTH Asst.Prof


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Rang Reddy District, T.S. 501510.

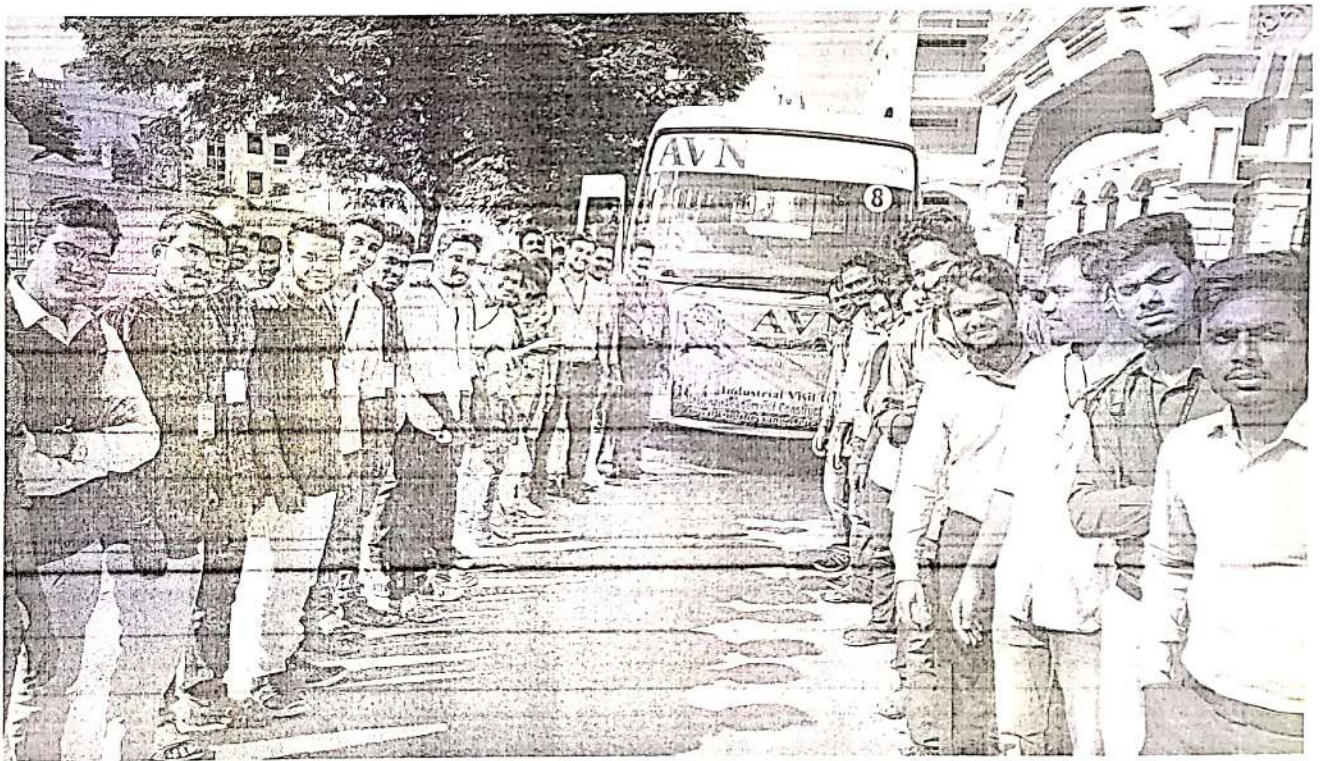
- Total students of B.tech IV year (A&B) Sections and III year with 5 faculty members have joined this site visit.


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DETAILS OF JOURNEY

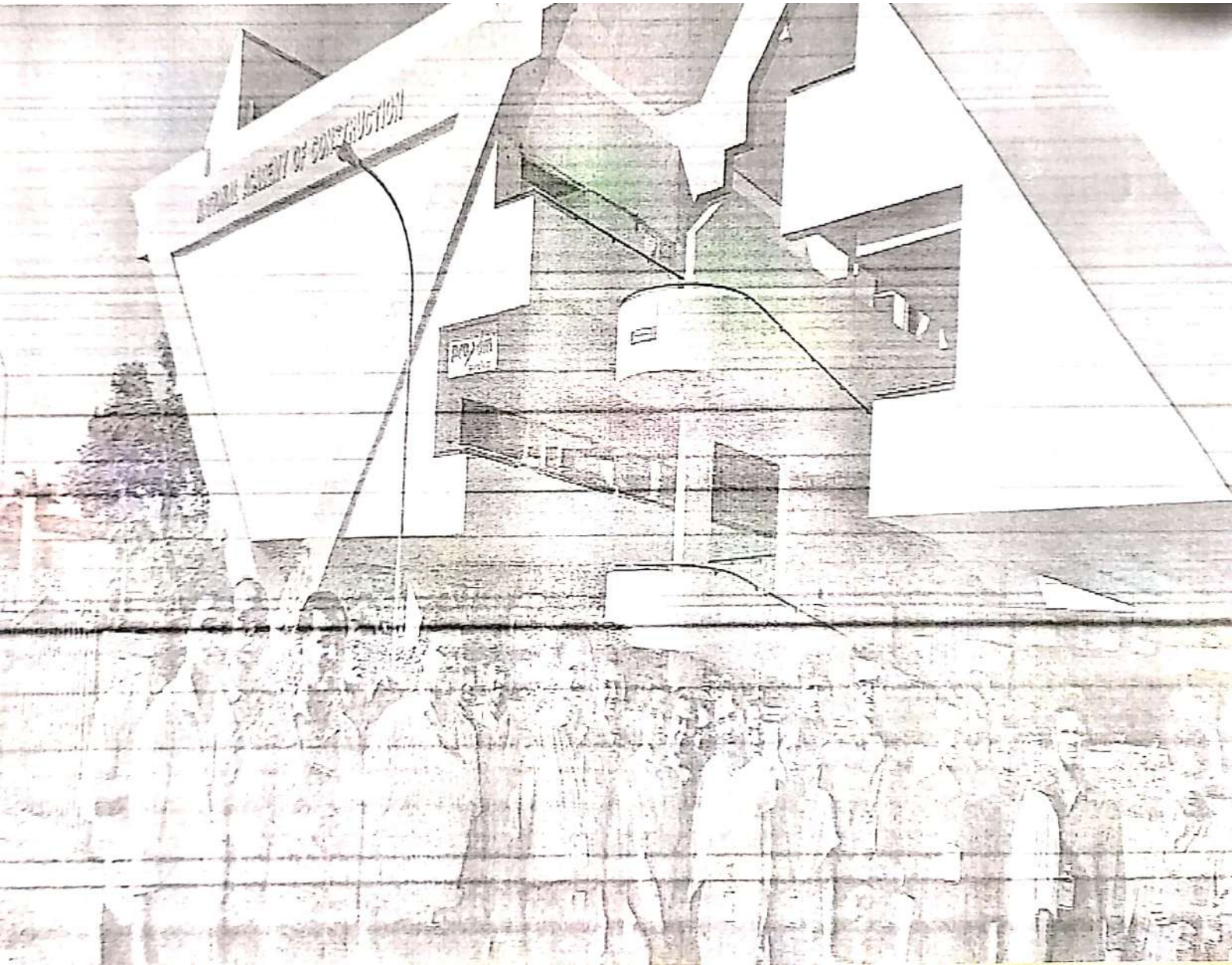
- We started travelling from AVNIET to NAC Campus 8.30am on 15/10/2017.
- We reached to NAC campus by 12.00pm.
- We collected all the required data from NAC Officials and different Courses offered by NAC.
- We studied all the new techniques used in Modern Construction.
- Students observed the campus and met the ongoing Coaching batch and shared their Views and importance of NAC.
- We have visited Different Labs in NAC(Like Quality Control,Carpentry,Welding,Brick Bonds.Etc).
- We arrived to our college by 5.00pm. On the same day.


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HOD & Staff Members with Students


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Salient features of NAC

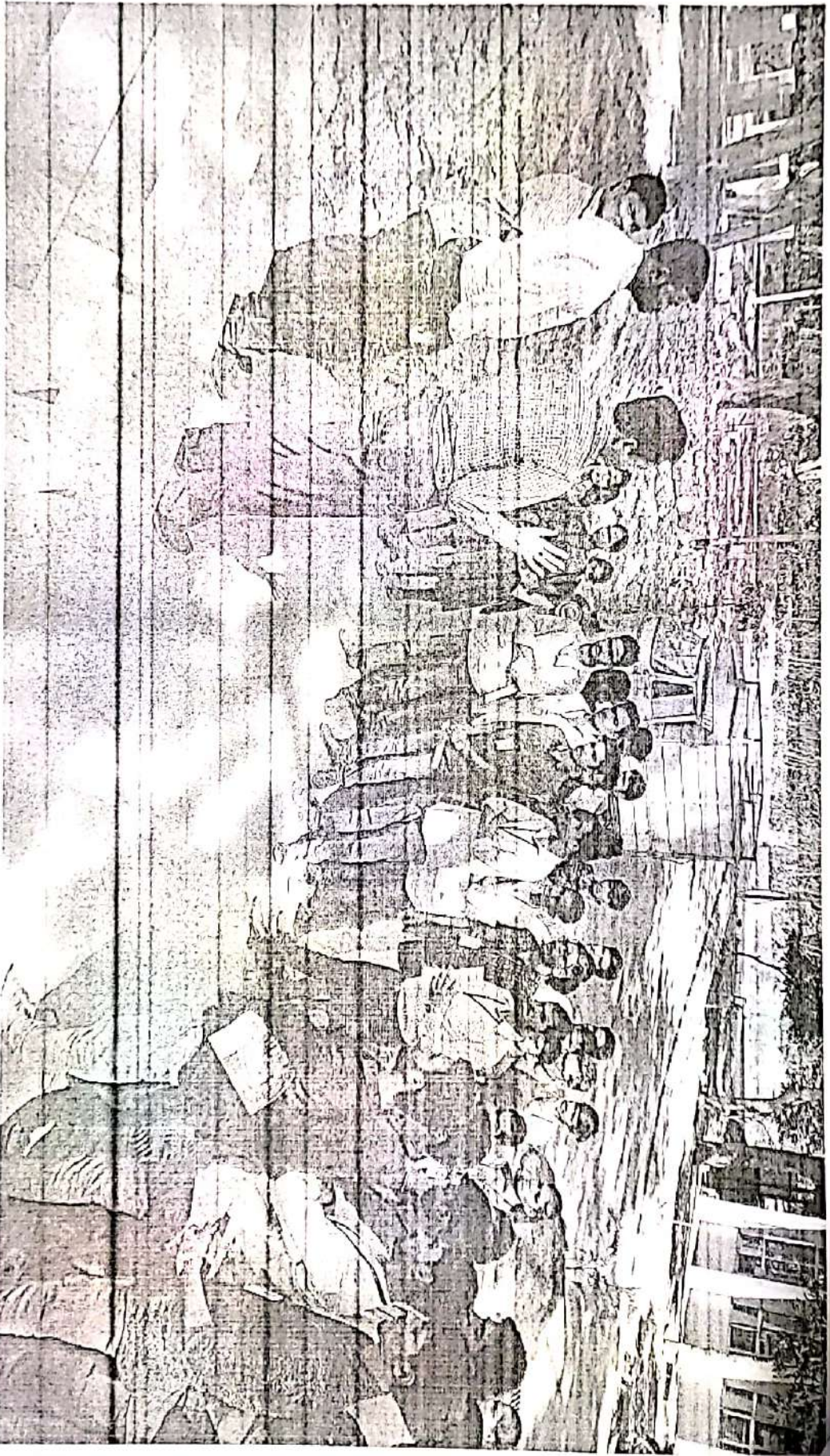
- National Academy of Construction has emerged as a distinctive institution and one of its kind for providing training and development of all types of construction resources, technologies and methodologies for fast track completion of projects.
- Construction is one such area where technology is developing at a very fast rate. Hence one needs proper understanding of the technology and importance of proper training. Starting with one centre and five trades and training 150 technicians per year, NAC has grown surely and steadily to 50 centres through out Telangana and 21 trades today with target of training 1,00,000 technicians per annum. Apart from this its operations are reaching the nooks and corners of India, and also beyond sea sparing no hard ship and hindrance.
- For Administrative convenience NAC has created two regional centres in Karimnagar, and Hyderabad which are also headed by Regional Directors, Assistant Directors are appointed in each district for better co-ordination and Quality control of the training programmes

- To augment and play an effective role, NAC is now establishing three Zonal centres with a capacity of 2000 trainees per annum in each Zonal centre. These Advanced Skills Training Institutes (ASTI) at Jagtial in Karimnagar district are expected to become the future hubs of trades training. The Advanced Skill Training Institutes consists of Administrative Block, Classrooms, Staff rooms, Boys and Girls Hostels, Staff Quarters, Play Area, Auditorium and Amphitheatre etc.
- NAC has presently 249 Employees on its rolls in different centers of Telangana, who are working with the organization in Key positions and instrumental in shaping the career of the trainees of NAC. The NAC faculty, trained at reputed institutes brings to the classroom professional capabilities, wide exposure and years of hands-on industry experience committed to grow in their profession, the faculties constantly upgrade their skills and knowledge to provide quality training to the trainees
- The National Academy of Construction (NAC) has emerged as an apex body for development of all types of construction resources, technologies and methodologies for fast track completion of projects. It is registered as a Society and incorporated as Public Charitable institution. It is managed by a Board of Governors with the Hon'ble Chief Minister of Telangana.

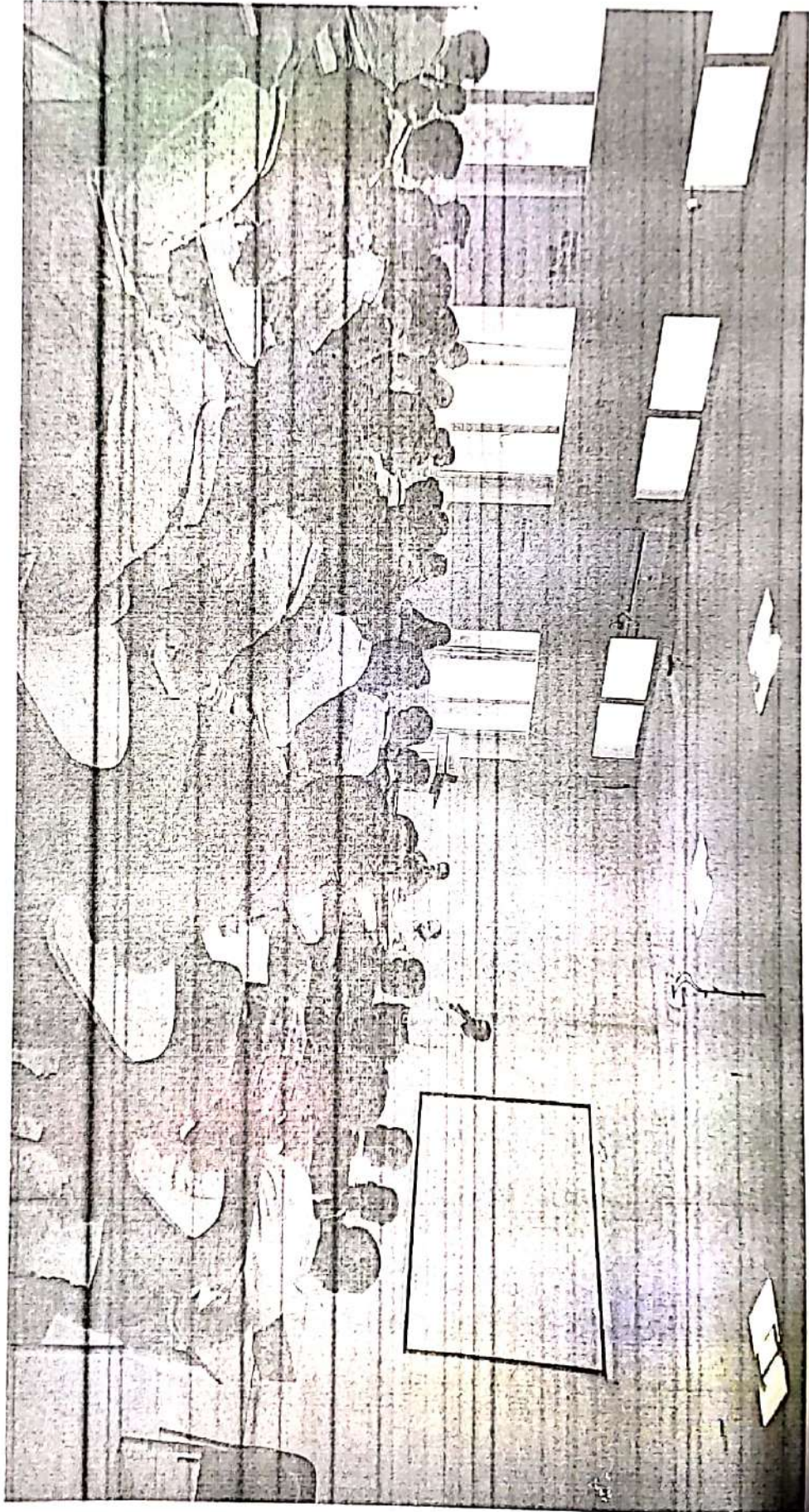
➤ Spread over 46.46 acres of prime of land in Hyderabad, allotted by the Government of Telangana NAC conducts all construction lead related training programmes under one roof . It houses eight constituent units covering all sectors of the Construction Industry. The campus has an auditorium with 500 seating capacity, seminar halls, class rooms, hostel blocks, dormitory, Quality Control and Testing Laboratory for construction materials, Post Graduate Block Workshops etc. The Institution runs based mainly on voluntary contributions of Builders Association of India of Telangana chapter


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Explanation of New Techniniques in Construction Technology By HOD-Civil



TECHNICAL SEMINAR BY THE NAC TEAM



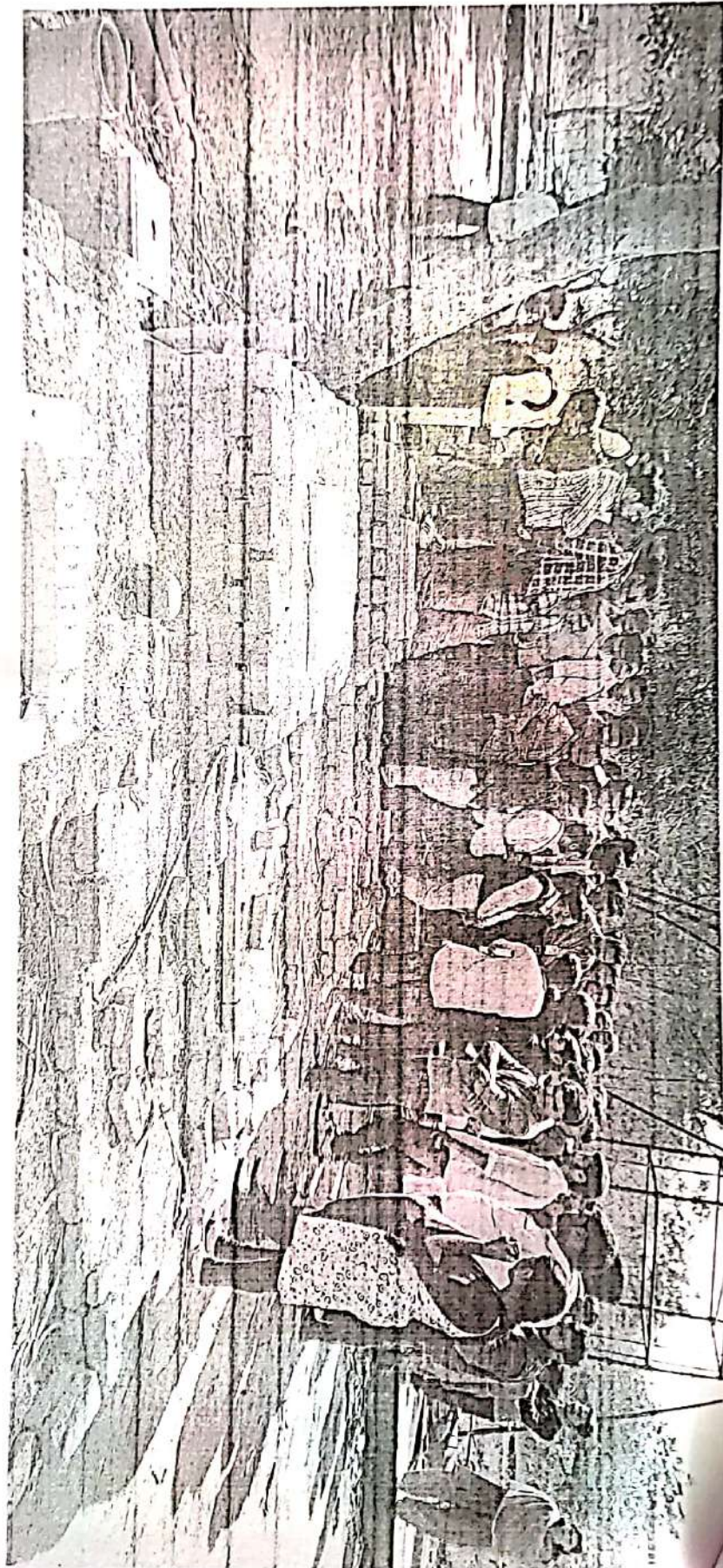

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THE FOLLOWING ARE THE DIFFERENT ORGANISATIONS AND COMPANIES WHERE STUDENTS ARE PLACED AFTER TRAINING

1. CONTRACTEMPLOYEES LIKE (GHMC, PUBLIC WORKS DEPARTMENT, ENVIRONMENTAL ENGINEER ETC)
2. PUBLIC SECTOR UNDER TAKINGS LIKE (APARD ETC)
3. APARNA CONSTRUCTIONS.
4. L&T
5. NAGARJUNA CONSTRUCTION COMPANY (NCC)
6. MEGHA ENGINEERING & INFRASTRUCTURE LIMITED (MEIL)
7. TATA PROJECTS LIMITED.


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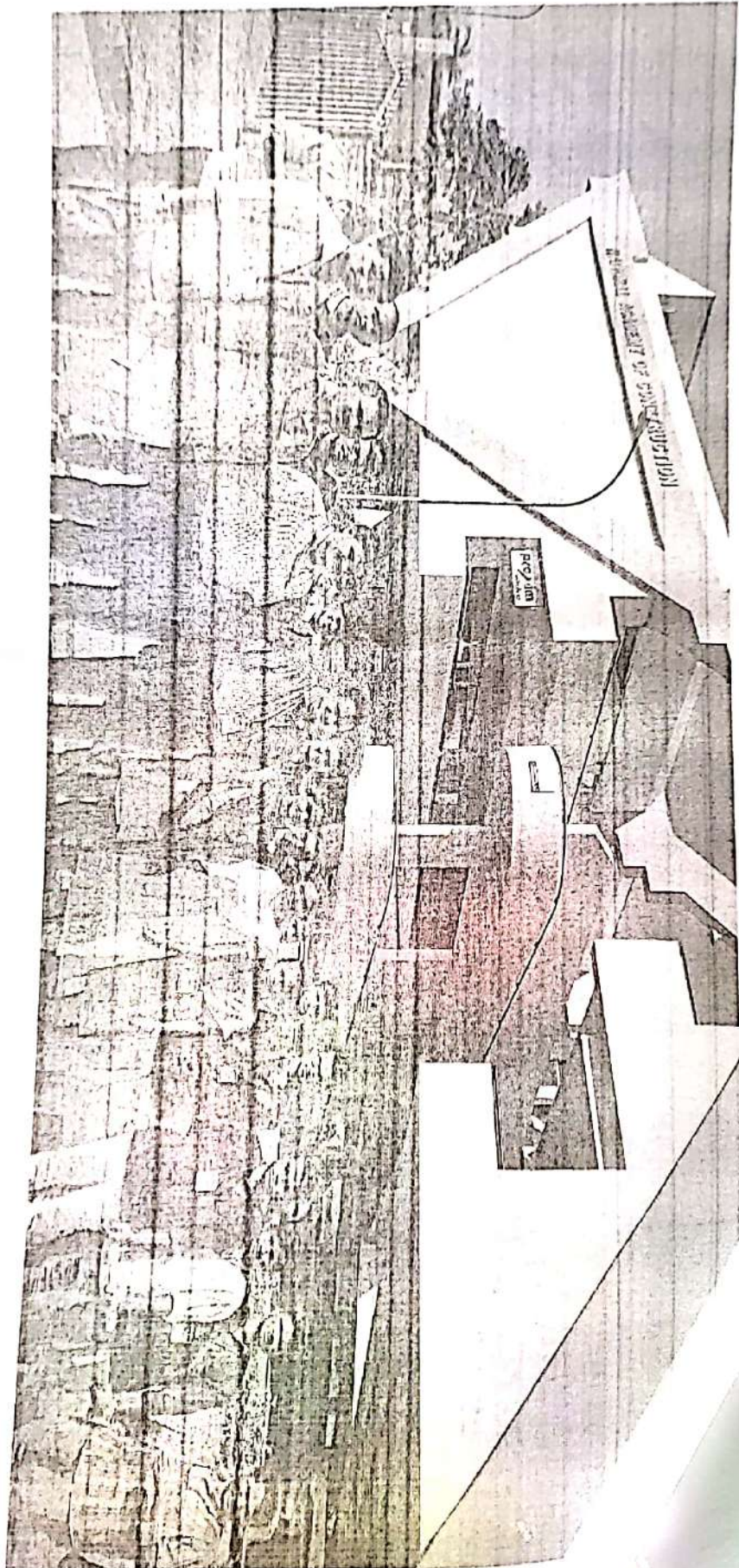
DIFFERENT BRICK BONDS



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Rang Reddy District, T.S. 501528

Thanking you sir
HOD-CIVIL




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PATEL GUDA, KOHEDA ROAD, IBRAHIMPATNAM (M), R.R.Dist., 501 510, A. P.

Ph.No. 08415 – 201555, Cell No.:9246172317, www.avniet.ac.in, Email:avn.principal@gmail.com**DEPARTMENT OF MECHANICAL ENGINEERING****Report on site visit****NAGARJUNA SAGAR HYDRO POWER PLANT**

on

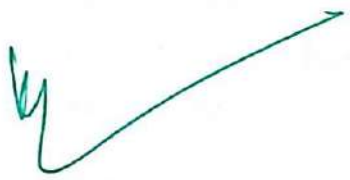
3rd October 2014


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Ibrahimpattam (M), R.R.

AVNIET has been conducted one day technical visit to Nagarjuna Sagar Dam Hydro power plant on 3rd October 2014. More than 50 students & 6 faculties visited Nagarjuna Sagar Power Plant. This Industry-Institute Relationship visit organized by department of Mechanical Engineering, AVNIET, Hyderabad.

Details of visit

Name of the place : Nagarjuna Sagar
Name of the project : Nagarjuna Sagar Dam Hydro power plant
Name of the works : Earth-cum-gravity dam, Spillway
Gates, Hydroelectric projects, Channels
ORAGANISATION : Department of MECHANICAL Engineering
Date of visit : 03-10-2014
No of students visited : 50
No of Faculties visited : 6
Batch : Final Year Students 2011-15
In charge : Prof. Basavaraj S Hasu


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About Nagarjuna Sagar Dam:


Nagarjuna Sagar Dam, one of the world's largest and tallest Masonry dam built across the Krishna river at Nagarjuna Sagar which is in Nalgonda District, Telangana State. Construction was between 1955 and 1967, the dam created a water reservoir with gross storage capacity of 11.472 billion cubic meters (405.1×10^9 cu ft). The dam is 590 feet (180 m) tall from its deepest foundation and 0.99 miles (1.6 km) long with 26 flood gates which are 42 feet (13 m) wide and 45 feet (14 m) tall.

Nagarjuna Sagar was the earliest in the series of large infrastructure projects termed as "modern temples" initiated for achieving the Green Revolution in India. It is also one of the earliest multi-purpose irrigation and hydro-electric projects in India. The dam provides irrigation water to the Nalgonda, Suryapet, Krishna, Khammam, West Godavari, Guntur and Prakasam districts along with hydro electricity generation. Nagarjuna Sagar dam is designed and constructed to use all the water impounded in its reservoir of 312 TMC gross storage capacity which is the second biggest water reservoir in India.

Construction

Project construction was officially inaugurated by Prime Minister [Jawaharlal Nehru] on 10 December 1955 and proceeded for the next twelve years.

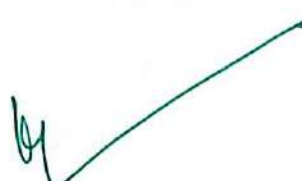
The construction of the dam submerged an ancient Buddhist settlement, Nagarjunakonda, which was the capital of the Ikshvaku dynasty in the 1st and 2nd centuries, the successors of the Satavahanas in the Eastern Deccan. Excavations here had yielded 30 Buddhist monasteries, as well as art works and inscriptions of great historical importance. In advance of the reservoir's flooding, monuments were dug up and relocated. Some were moved to Nagarjunakonda, now an island


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in the middle of the reservoir. Others were moved to the nearby mainland village called Anupu.

The reservoir water was released into the left and right bank canals by Prime Minister Indira Gandhi in 1967 August 4.^[6] Construction of the hydropower plant followed, with generation increasing between 1978 and 1985, as additional units came into service.

- Catchment Area : 214,185 km² (82,697 sq mi)
- Full Reservoir Level (FRL): 179.83 metres (590 ft) msl
- Water spread area at FRL: 285 km²
- Gross storage capacity at FRL: 312 TMC
- MDDL of river sluices: 137.3 metres (450 ft) msl
- **Masonry dam**
 - Spillway of dam : 471 m
 - Non-over flow dam : 979 m
 - Length of Masonry dam : 1450 m
 - Maximum height : 125 m
- **Earth dam**
 - Total Length of Earth dam : 3414 m
 - Maximum height : 128 m



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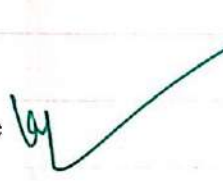
Power Generation

- **Power Units** : 1 No. conventional (110 MW capacity), 7 no.s Reversible (100 MW capacity)

Canal power house

- Right side : 3 units 30 MW (each)
- Left side : 2 units 30 MW (each)

Salient features of Nagarjuna sagar

#	Attribute	Value
1.	Name of Powerhouse	Nagarjunasagar Power House
2.	Powerhouse Name Alias	
3.	State	Telangana
4.	Basin	Krishna
5.	Hydroelectric Basin	East Flowing Rivers
6.	Seismic Zone	Seismic Zone-II
7.	Hydroelectric Development Type	Storage
8.	Structure Type	Dam
9.	Position of Powerhouse	Dam Toe 
10.	Type	Surface
11.	Status of Powerhouse	Operational
12.	Powerhouse Completion Year	1985
13.	Pumped Storage	Yes

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#	Attribute	Value
14.	Water Conductor System (Kilometer)	
15.	Operating & Maintenance Agency	
16.	Net Maximum/Minimum Head - (Meter)	105/72.5
17.	MDDL for Powerhouse (Meter)	156.3
18.	Annual Design Energy (MU)	2060
19.	Firm Power (MW)	
20.	Number of Turbines	8
21.	Capacity per Turbine (MW)	1 X 110 + 7 X 100.8
22.	Total Installed Capacity (MW)	815.6
23.	Head Class of Turbine	Medium (Between 15 - 60 m)
24.	Type of Turbine	Francis
25.	Turbine Make	BHEL and Hitachi-Japan
26.	Rated Head (Meter)"	93.5
27.	Specific Speed (mhp)	
28.	Rated Speed (rpm)	187.5
29.	Generator Make	BHEL and Melco-Japan
30.	Generator Type	
31.	Number of Penstock	8
32.	Length of Penstock (Meter)	157
33.	Penstock Size(Meter) - Internal Diameter	4.877
34.	Design discharge through each Pen-stock (Cumeec)-Flow	
35.	Remarks	
36.	Powerhouse Code	PH01469

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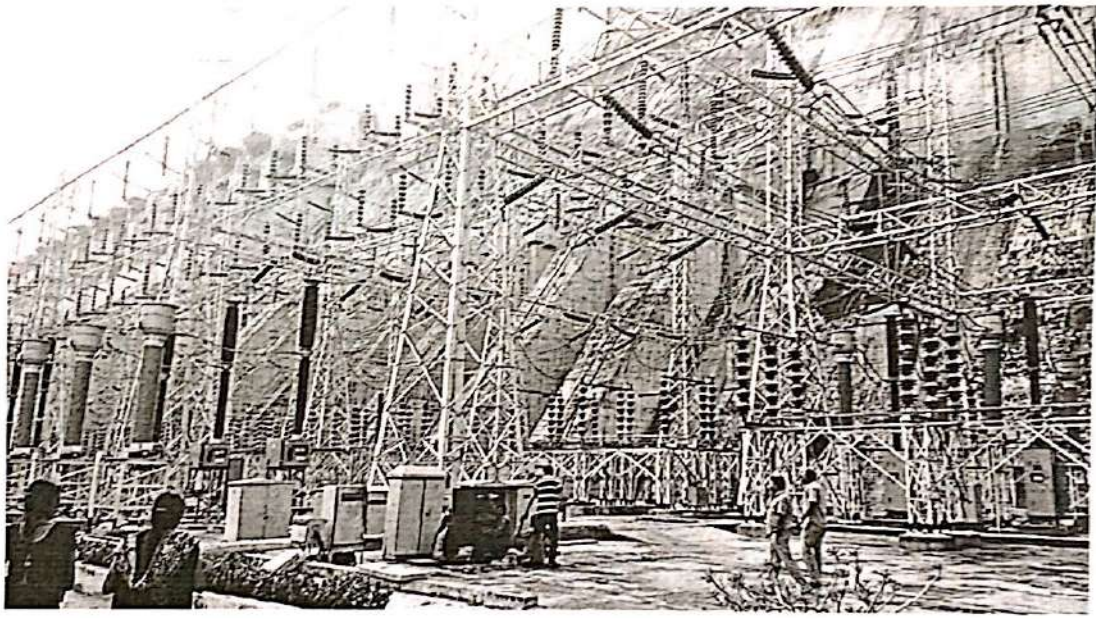
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SALIENT FEATURES OF HYDRO GENERATOR

- Type of Generator : SV 857 / 180.32
- Power : 122000/110000
kva/kw
- Voltage : 11000± 5%V
- Current : 6420 A
- Power Factor ($\cos \phi$) : 0.9
- Frequency : 50 C.P.S
- Normal Speed :
187.5 rpm
- Runaway Speed :
375 rpm
- Total Weight of the Generator with Auxiliaries :
725 tones
- Direction of Rotation :
Clock Wise
- Allowable Value of Thrust Bearing load :
800 tones

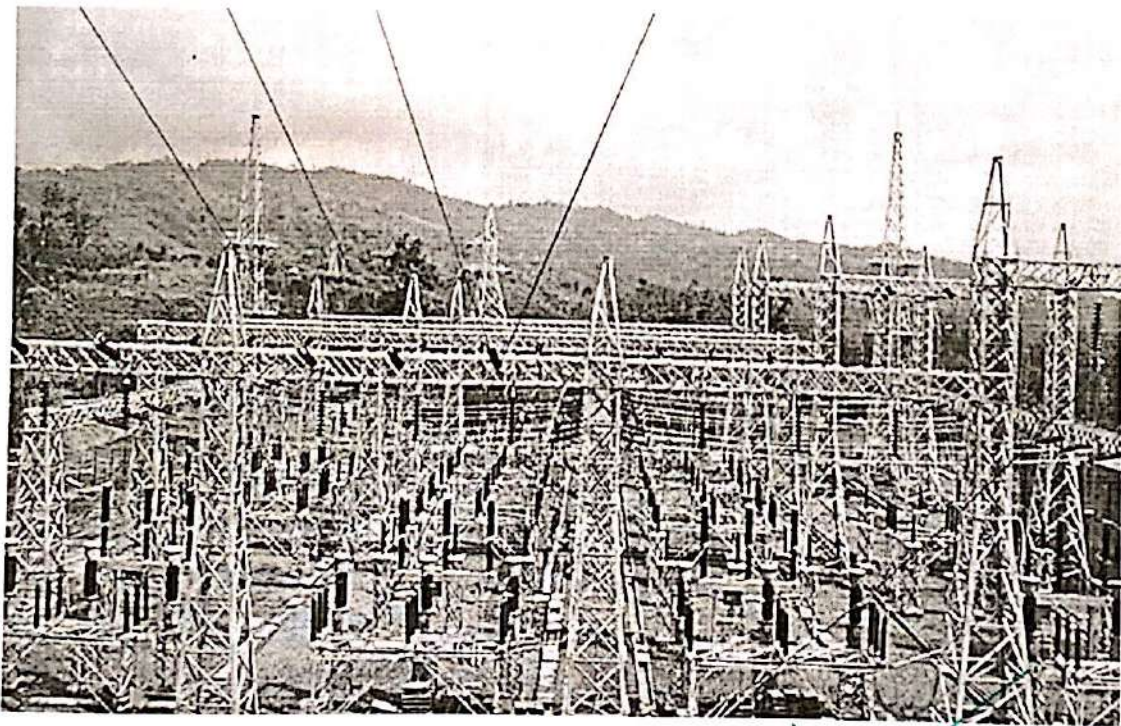
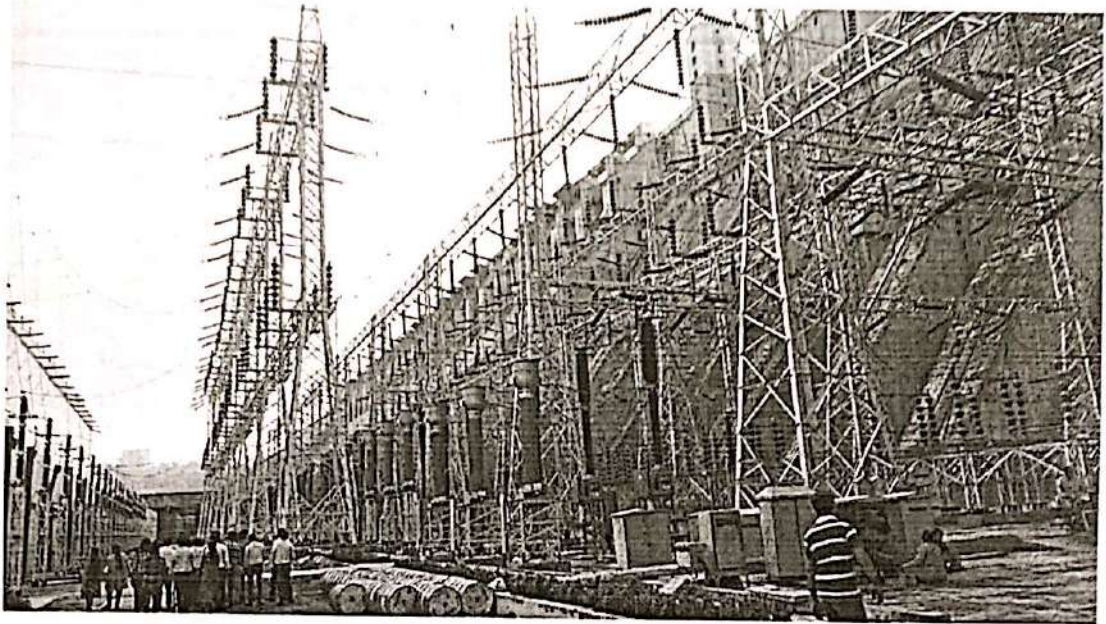

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- Maximum Temperature of Cooling Water : 35°C



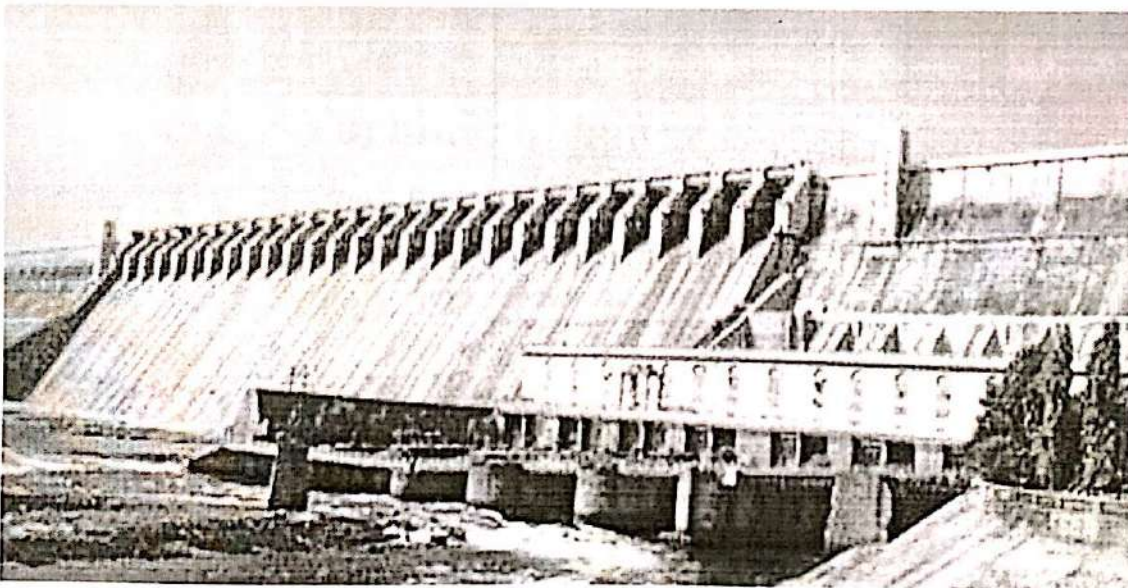
Nagarjuna Sagar dam & Hydro Power Plant visit photos


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Ibrahimpattanam (M), R.P.



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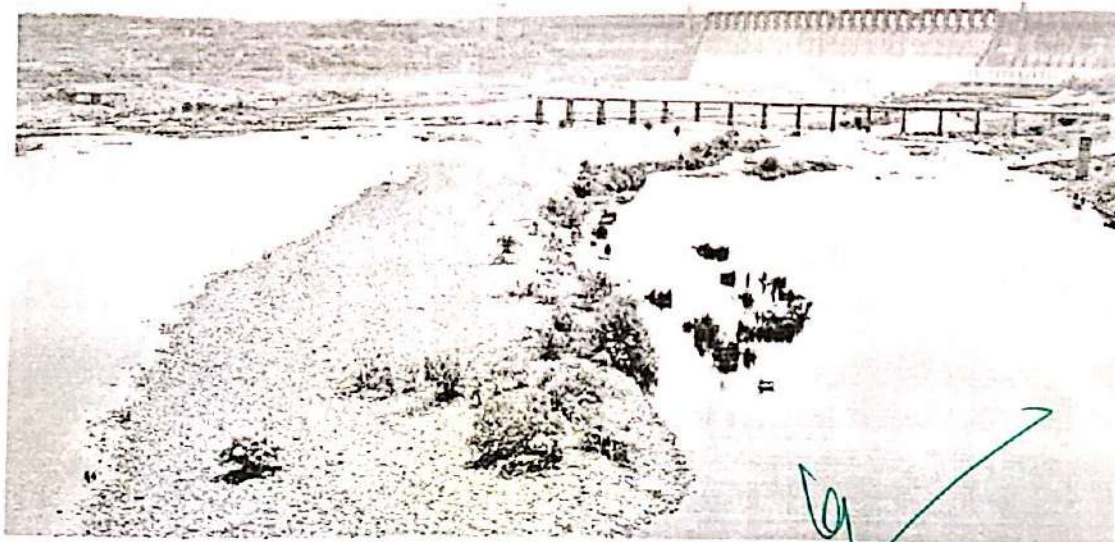
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Turbines of power House



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Ibrahimpattanam (M), R.R.



Final year students (2011-15 Batch)

Thanking you sir

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Ibrahimpattam (M), R.R.

HOD-MECH

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DEPARTMENT OF MECHANICAL ENGINEERING

Report on site visit

DOLPHIN FOODS PVT LTD

on

17 April 2019



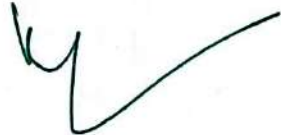
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 AVN Institute of Engineering & Technology
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 Ibrahimpatnam (M), R.R.

AVNIET has been conducted one day technical visit to DOLPHIN FOODS PVT LTD on 17 April 2019 . More than 50 students & 6 faculties visited DOLPHIN FOODS PVT LTD. This Industry-Institute Relationship visit organized by department of Mechanical Engineering, AVNIET, Hyderabad.

Details of visit

Name of the place : DOLPHIN FOODS PVT LTD
Name of the project DOLPHIN FOODS PVT LTD
Name of the works : CHACOLATE MANUFACTURING
ORAGANISATION : Department of Mechanical Engineering
Date of visit : 17 April 2019
No of students visited : 50
No of Faculties visited 6
Batch : 4th Year Students 2015-19
In charge : Prof. Basavaraj S Hasu


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About DOLPHIN FOODS PVT LTD

Dolphin Foods India Limited

Dolphin Foods India Limited was established in the year 1984. Initially our business was into manufacturing traditional snacks such as peanut bars (Chikkis) Cakes, Mysorepak & other Bakery biscuits. In 2008 September we ventured into confectionery market with our Brand name "OSHON" and from then there is no looking back. Our massive manufacturing unit on Nagarjuna Sagar Road in Hyderabad produces hundreds of Tons of candies and toffees. We manufacture more than 50 varieties of hard-boiled sugar candies, toffees & Jellies which is suitable for diverse Domestic as well as International confectionery market. At Dolphin foods we manufacture candies with a passion for taste and Quality is our primary motto. For achieving this our quality team takes utmost care with regards to quality and taste of our product before it reaches the customers. For this we use the highest quality raw material. To cater to the ever changing customer tastes and requirement we produce varieties of candies. As a part of this very shortly we are going to launch Waffers, Lollypops and many more to come.



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Crunchy mint candy with chocolate filling



✓

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Dolphin Foods India Limited

Dolphin Foods India Limited was established in the year 1984. In the beginning we started by manufacturing peanut bars (Chikkis) Cakes, Mysorepak & Traditional Bakery biscuits. In 2008 September we entered into confectionery market with our product name "OSHON". Our manufacturing unit located in Brahmanapalli, which is on Sagar ring road and 4 km from Outer ring road, Rangareddy Dist. We Dolphin Foods India Limited manufacturers and suppliers of hard boiled sugar candies, éclairs and toffees with varied flavours for diverse confectionery market. Products manufactured by us in different flavours are in high demand among our clients. We manufacture our products from high quality raw materials and our quality team strictly tests the quality of raw materials and finished products before deliver to our customers. That's reason our company is also named as full and full "quality-based company". We have highly qualified and well experienced production department, who always strive to develop and manufacture wide variety of confectionery products to enhance demand among our customers.



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Factsheet

Basic Information

Legal Status of Firm

Limited Company (Ltd./Pvt.Ltd.)

Get in touch with us

Our Company

- About Us
- Products & Services
- Contact Us
- Sitemap
- Download Brochure

Reach Us

Dolphin Foods India Limited
 Survey No. 246, Bramhanpally, Hayathnagar Mandal,
 Ranga Reddy District, Torur Post,
 Hyderabad-501511, Telangana, India
[Get Directions](#)

Sathiyamurthy Padmanaban

View Mobile Number

Send SMS

Send Email

Related Categories



Cashew Nut Candy



Peanut Candy



Sugar Candies



Flavoured Candies




Toffees



Chewing Gums

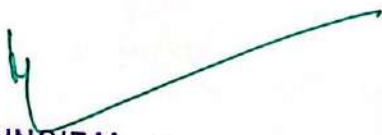
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Thanking you Sir.


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Abrahimpatnam (M), R.R.

HOD ME

AVN INSTITUTE OF ENGINEERING & TECHNOLOGY

PATEL GUDA, KOHEDA ROAD, IBRAHIMPATNAM (M), R.R.Dist., 501 510, A. P.

Ph.No. 08415 – 201555, Cell No.:9246172317, www.avniet.ac.in, Email:avn.principal@gmail.com

DEPARTMENT OF MECHANICAL ENGINEERING

Report on site visit

BHEL

on

13 February 2018



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Ibrahimpattam (M). R.R. A.

AVNIET has been conducted one day technical visit to BHEL on 13 February 2018. More than 50 students & 6 faculties visited Nagarjuna Sagar Power Plant. This Industry-Institute Relationship visit organized by department of Mechanical Engineering, AVNIET, Hyderabad.

Details of visit

Name of the place : BHEL

Name of the project : BHEL

Name of the works : BHEL is engaged in the design, engineering, manufacturing, construction, testing, commissioning

ORAGANISATION : Department of MECHANICAL Engineering


Date of visit : 13-02-2018

No of students visited : 50

No of Faculty visited : 6

Batch : Final Year Students 2014-18

In charge : Prof. Basawaraj S Hasu


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Description**Description**

BHEL Township, Hyderabad is a suburb of Hyderabad, Telangana. This has developed like other BHEL townships after Indian public sector engineering company BHEL started its operations here. Township is well known for its greenery and lush green campus. Large numbers of quarters with full amenities. [Wikipedia](#)

District: [Sangareddy](#)

Vidhan Sabha constituency: [Serilingampally](#)

Government body: [Greater Hyderabad Municipal Corporation](#)

Planning agency: [GHMC](#)

PIN: 502 032

History of BHEL

BHEL was established in 1964 ushering in the indigenous Heavy Electrical Equipment industry in India. Heavy Electricals (India) Limited was merged with BHEL in 1974. In 1991, BHEL was converted into a public limited company. Over time, it developed the capability to produce a variety of electrical, electronic and mechanical equipments for all sectors, including transmission, transportation, oil and gas and other allied industries. However, the bulk of the revenue of the company is derived from sale of equipment for power generation such as turbines, boilers, etc. As of 2017, BHEL supplied equipment contributed to about 55% of the total installed power generation capacity of India. The company has also supplied thousands of Electric Locomotives to Indian Railway, as well as defence equipment such as the Super Rapid Gun Mount (SRGM) naval guns manufactured in partnership with the Indian Ordnance Factories and Defence Simulators to the Indian Armed Forces....

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Operations



BHEL manufactured locomotive

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BHEL Swati

BHEL is engaged in the design, engineering, manufacturing, construction, testing, commissioning and servicing of a wide range of products, systems and services for the core sectors of the economy, viz. power, transmission, industry, transportation, renewable energy, oil & gas, and defence.

It has a network of 17 manufacturing units, 2 repair units, 4 regional offices, 8 service centres, 8 overseas offices, 15 regional centres, 7 joint ventures, and infrastructure allowing it to execute more than 150 projects at sites across India and abroad. The company has established the capability to deliver 20,000 MW p.a. of power equipment to address the growing demand for power generation equipment.

BHEL has retained its market leadership position during 2015-16 with 49% market share in the Power Sector. An improved focus on project execution enabled BHEL record (MS) highest ever commissioning/synchronization of 15059 MW of power plants in domestic and international markets in 2015-16, marking a 59% increase over 2014-15. With the all-time high commissioning of 15000 MW in a single year FY2015-16, BHEL has exceeded 170 GW installed base of power generating equipments.

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Ibrahimpet, BHEL, record (MS),
Chennai, (T.M.T. R.R.)

It also has been exporting its power and industry segment products and services for over 40 years. BHEL's global references are spread across over 76 countries across all the six continents of the world. The cumulative overseas installed capacity of BHEL manufactured power plants exceeds 9,000 MW across 21 countries including Malaysia, Oman, Iraq, UAE, Bhutan, Egypt, and New Zealand. Their physical exports range from turnkey projects to after sales services.

Initiatives

Manmohan Singh presenting the Scope Excellence Award for 2008-09 to the Chairman and Managing Director, Shri B. Prasada Rao.

BHEL's investment in R&D is amongst the largest in the corporate sector in India.

During the year 2012-13, the company invested about Rs. 1,252 Crore on R&D efforts, which corresponds to nearly 2.50% of the turnover of the company, focusing on new product and system developments and improvements in existing products. The IPR (Intellectual Property Rights) capital of BHEL grew by 21.5% in the year, taking the total to 2170.


The Corporate R&D division at Hyderabad leads BHEL's research efforts in a number of areas of importance to BHEL's product range. Research & product development (RPD) Groups for each product group at the manufacturing divisions play a complementary role. BHEL has established Centres of Excellence for Simulators, Computational Fluid Dynamics, Permanent Magnet Machines, Surface Engineering, Machine Dynamics, Centre for Intelligent Machines and Robotics, Compressors & Pumps, Centre for Nano Technology, Ultra High Voltage Laboratory at Corporate R&D; Centre of Excellence for Hydro Machines at Bhopal; Power Electronics and IGBT & Controller Technology at Electronics Division, Bengaluru, and Advanced Fabrication Technology and Coal Research Centre at Tiruchirappalli.

BHEL has established four specialized institutes, viz., Welding Research Institute (WRI) at Tiruchirappalli, Ceramic Technological Institute (CTI) at Bangalore, Centre for Electric Traction (CET) at Bhopal and Pollution Control Research Institute (PCRI) at Haridwar. Amorphous Silicon Solar Cell plant at Gurgaon pursues R&D in Photo Voltaic applications.


Significantly, BHEL is one of the only four Indian companies and the only Indian Public Sector Enterprise figuring in 'The Global Innovation 1000' of Booz & Co., a list of 1,000 publicly traded companies which are the biggest spenders on R&D in the world.

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Ibrahimpattam (M), R.R.

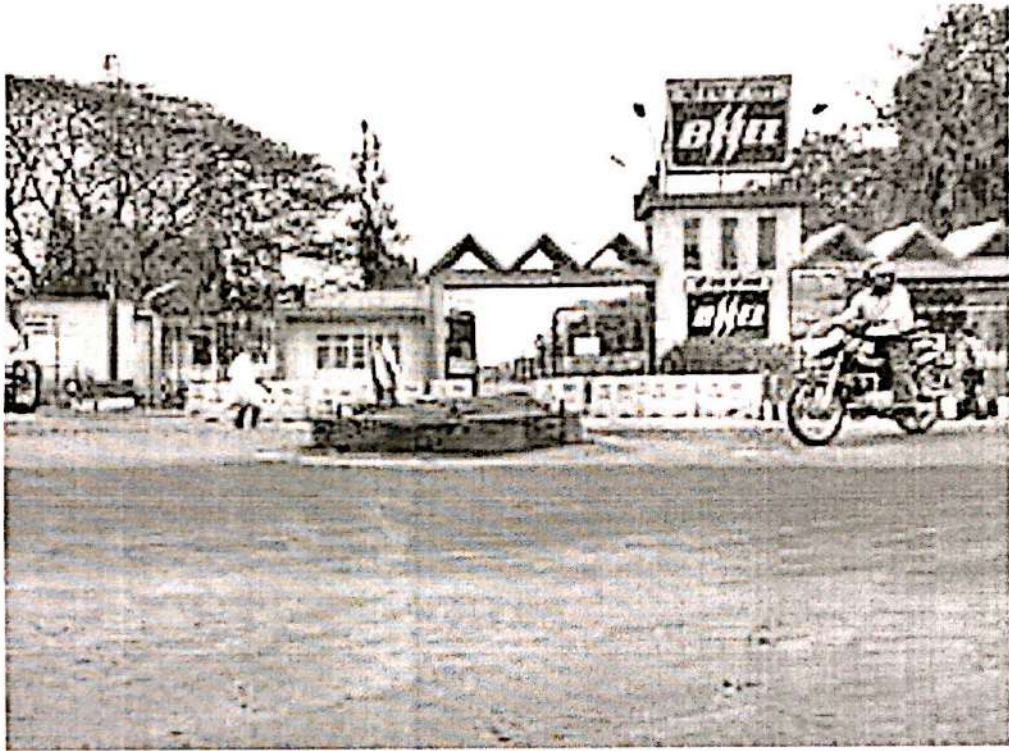




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Ibrahimpattanam (M), R.R. ...

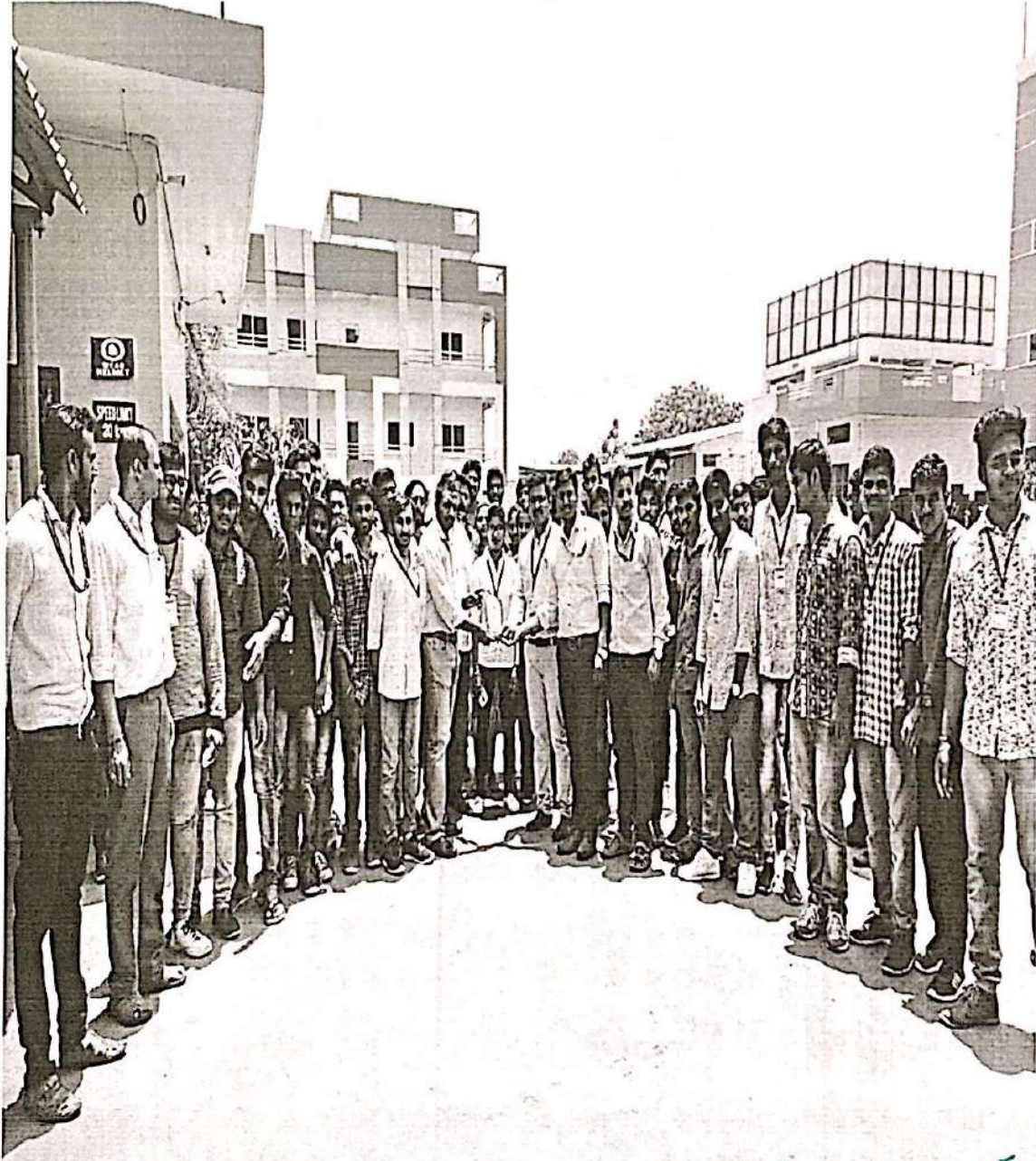


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Ibrahimpattanam (M), R.R.



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Bharat Heavy Electricals Limited

Thanking you Sir,

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 Ibrahimpatnam (M), R.R.

HOD ME

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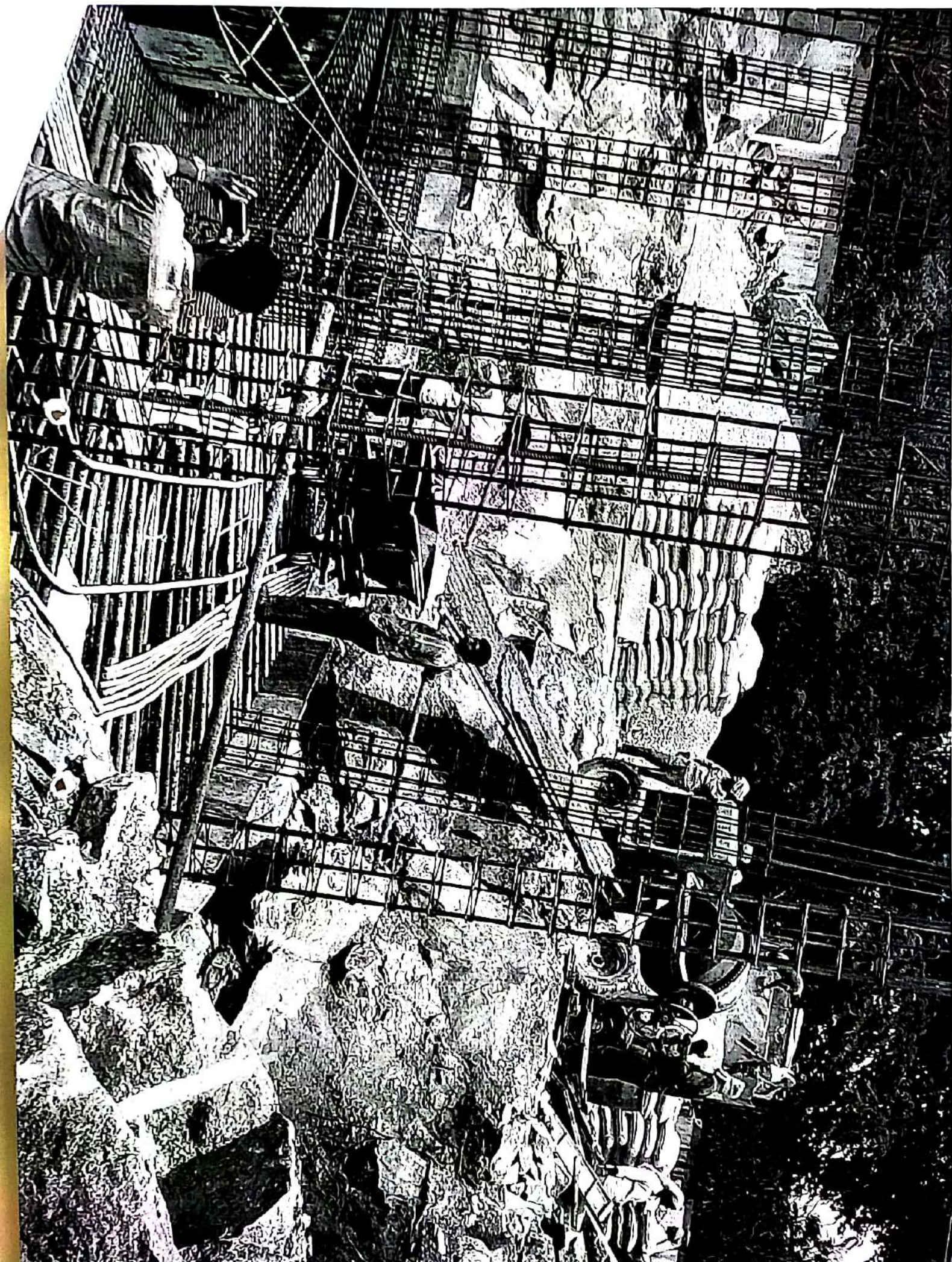
**TECHNICAL VISIT
REPORT
ON
MISSION BHAGIRATHA**


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Raichur Reddy District, T.S. 501518

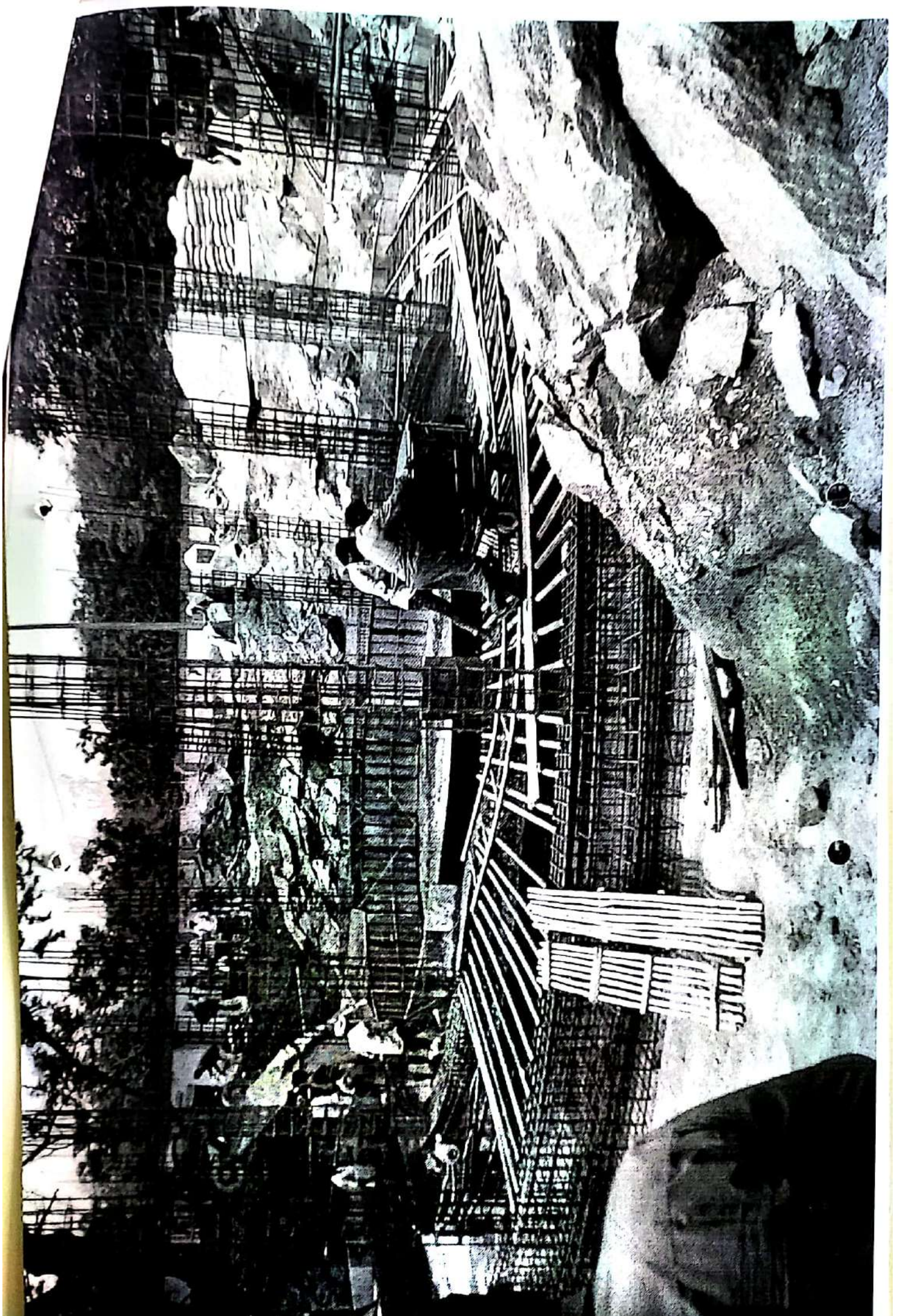
DEPARTMENT DETAILS

- The Department of Civil Engineering Organized a One Day Technical Visit to Medchal.
- To study the Design of Over Head tanks and mini Reservoir of 1000&3000kiloltrs on 16/07/2016 which is running under MISSION BHAGIRATHA SCHEME.
- The visit was organized with the permission of principal – Dr. J.GOVARDHAN under the guidance of prof. & HOD Dr.MD.SUBHAN, along with the staff (i) J.KISHORE, Asst.Prof. (ii) G.SRISAILAM, Asst.Prof.
- Total students of B.tech IV year (A&B) Sections with 2 faculty members have joined this site visit.


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11

TECHNICAL VISIT REPORT


UNDER THE GUIDELINES OF

- 1) DR.MD.SUBHAN – PROFESSOR
- 2) J.KISHORE – ASST.PROF.
- 3) G.SRISAILAM – ASST.PROF.


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Rayachoti Reddy District, T.S. 501408


DEPARTMENT DETAILS

- The Department of Civil Engineering Organized a One Day Technical Visit to Narsingi Village, Gandipet.
- To study the bar bending schedule of a 5-storied building on 28/06/2016.
- The visit was organized with the permission of principal – Dr. J.GOVARDHAN under the guidance of prof. & HOD Dr.MD.SUBHAN, along with the staff (i) J.KISHORE, Asst.Prof. (ii) G.SRISAILAM, Asst.Prof.
- Total students of B.tech IV year (A&B) Sections with 2 faculty members have joined this site visit.


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Rang Reddy District, T.S. 501518

DETAILS OF JOURNEY

- We started travelling from AVNIET to GANDIPET at 12.00pm on 28/06/2016.
- We reached to GANDIPET by 2.00pm.
- We collected all the construction details.
- We study all the plans of Foundations & Plinth beam, Columns & Slabs and etc.
- Students study the plans and verify the Reinforcement details of the Beams, Columns and Slab.
- We arrived our college by 4.15pm. on the same day.

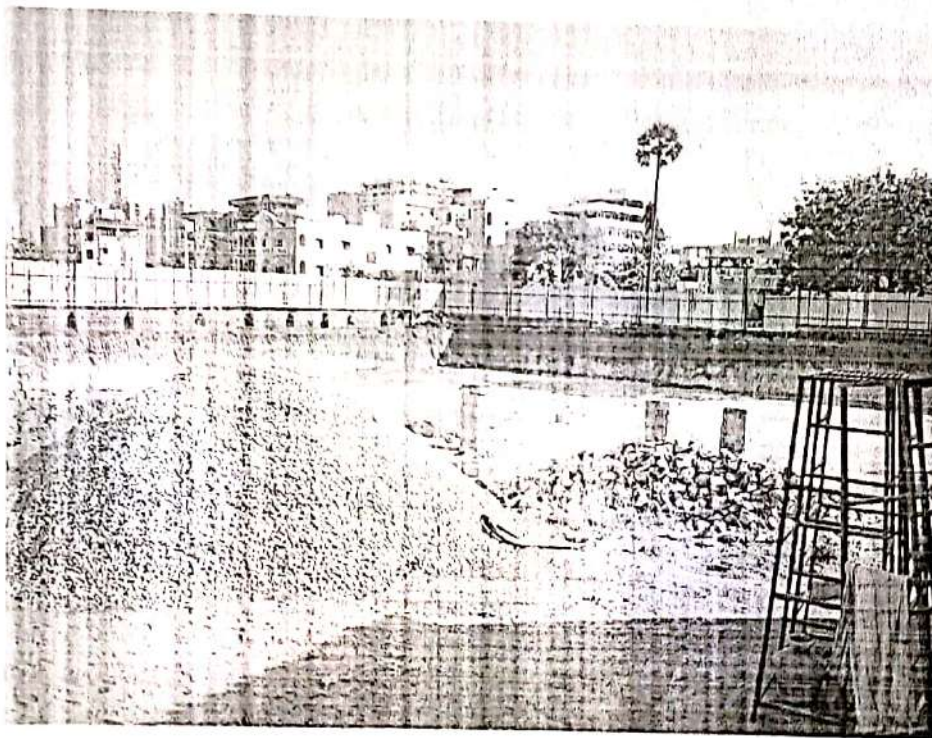

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5-STORIED RESIDENTIAL BUILDING
TECHNICAL REPORT
ON
28/06/2016
AT
GANDIPET


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Rang Reddy District, T.S. 501518.

LAND AREA : 625 Yards
COST OF LAND : 1,87,50,000/-
PROJECT COST : 3,50,50,000/-
PROJECT SPECIFICATIONS : Deluxe Flats
ON PROJECT GUIDE : P.Anil Kumar

Site Location




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Land Excavation for Foundation:

No. of Footings : 24

No. of Columns : 24

No. of Beams : 24

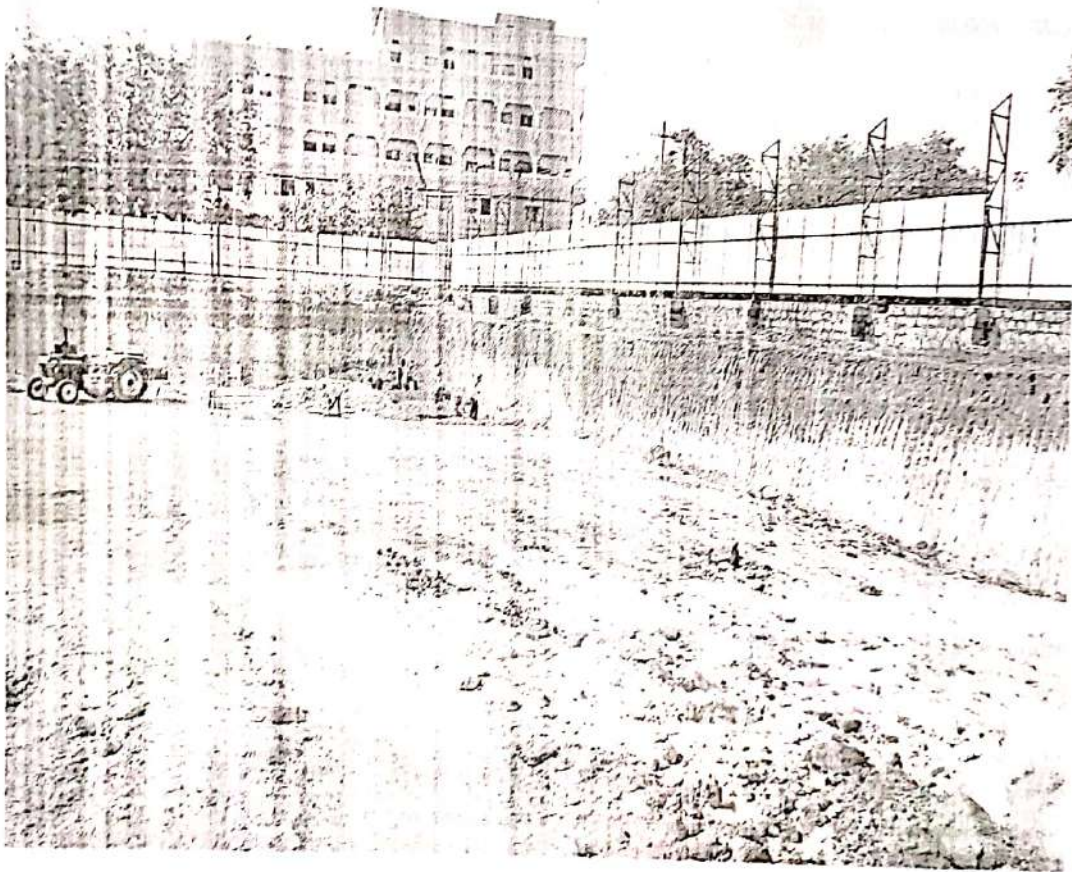


Land Excavation


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Rang Reddy District, T.S. 504518

Foundations

- No. of foundations – 24.
- Foundation Size – 1.8m X 1.8m
- Foundation concrete mix – 1:3:6 (P.C.C)
- Concrete thickness – 0.15m



Markings for Foundation


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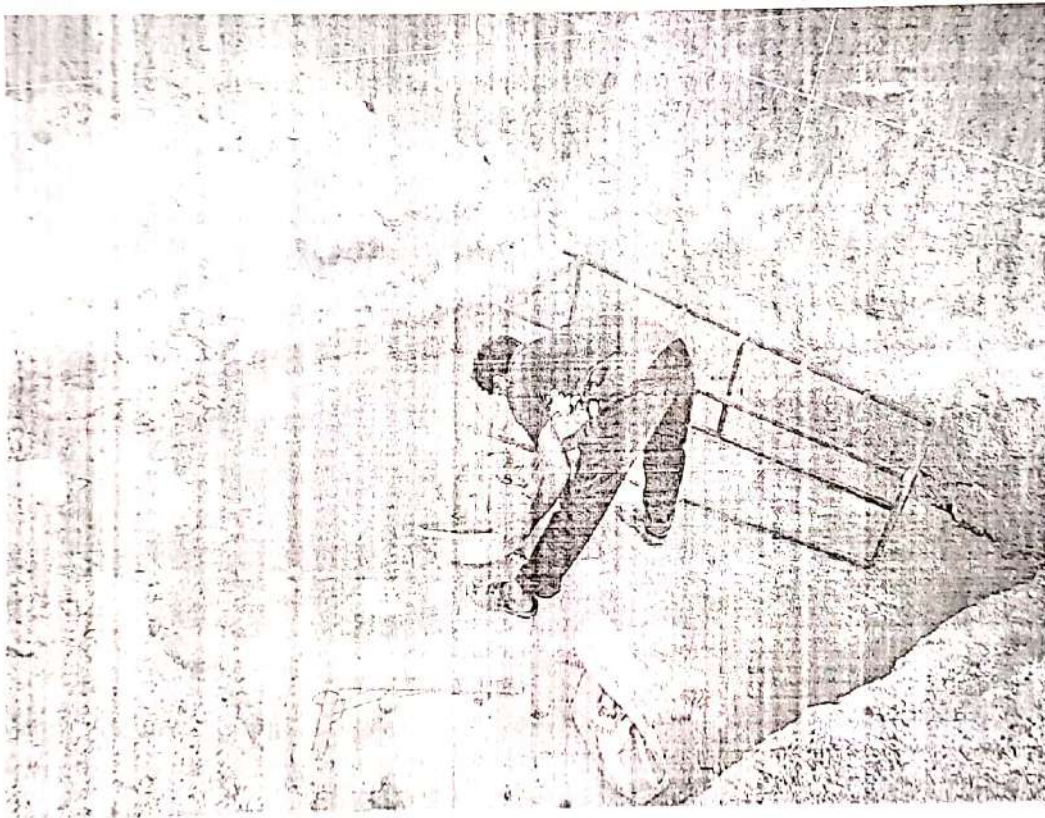


P.C.C Laying for Foundation


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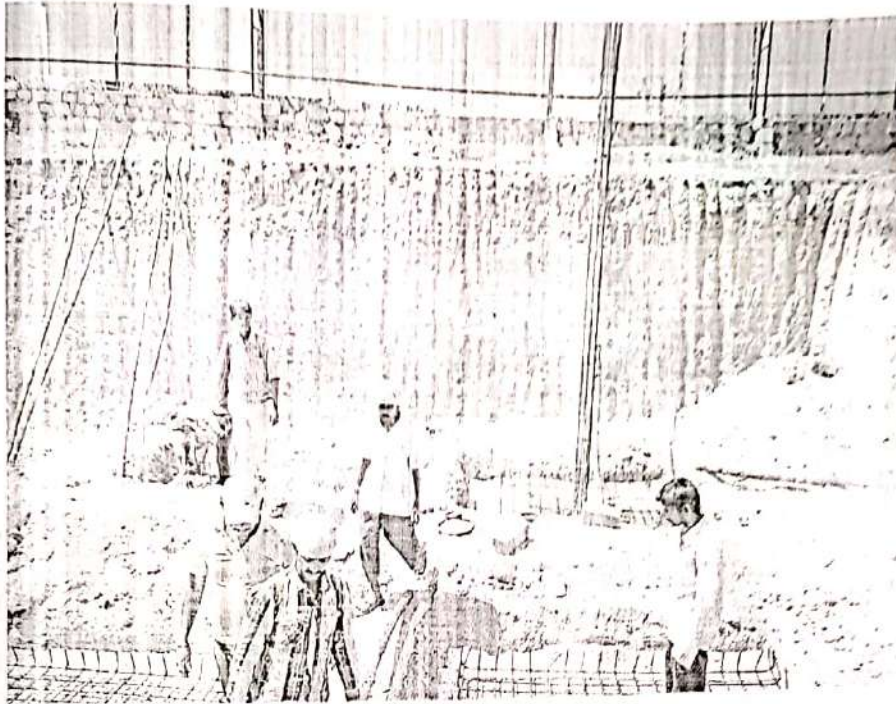
FOOTINGS

- No. of Footings : 24
- Size of Footing : 1m X 1m
- Grade of Concrete : M15

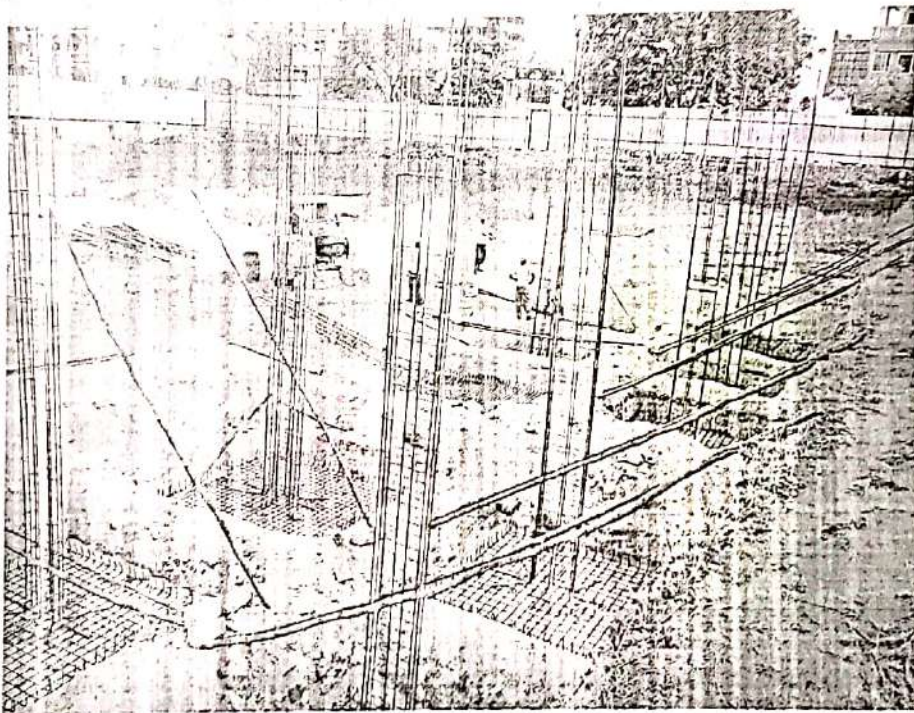


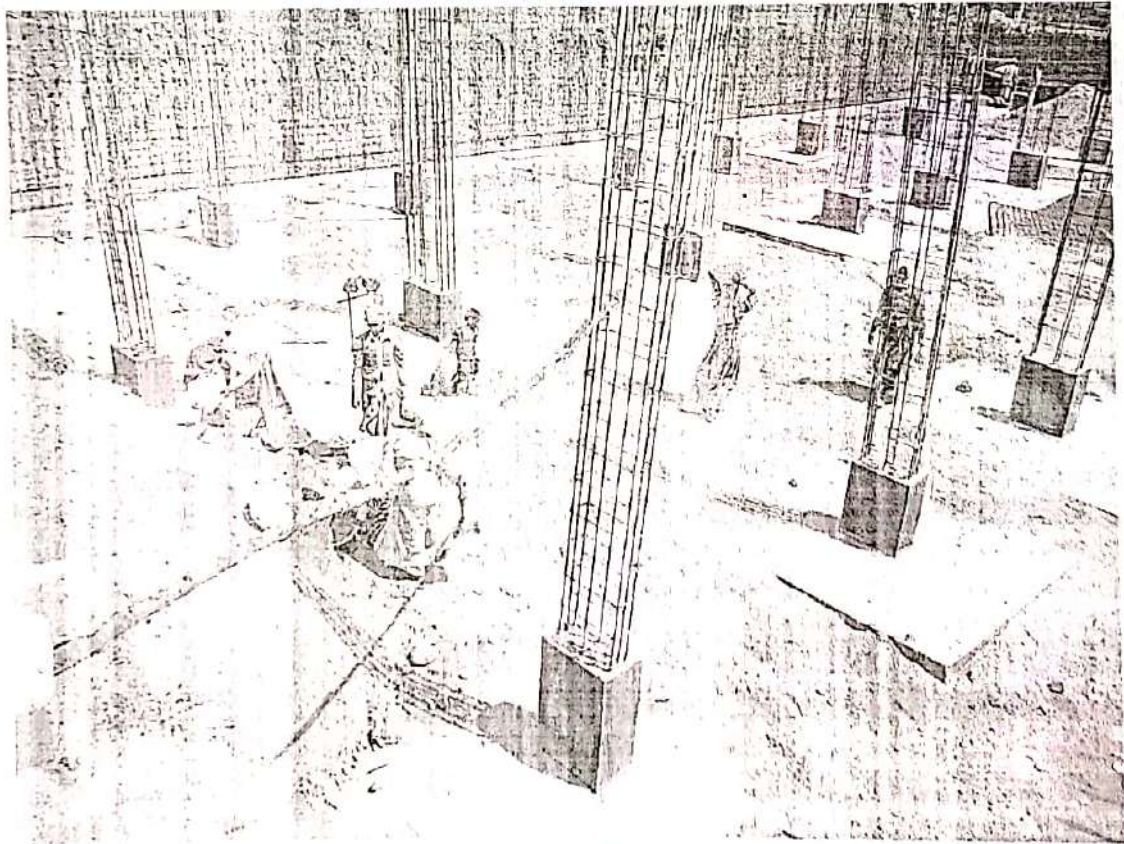
Footings Marking


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Footings Reinforcement

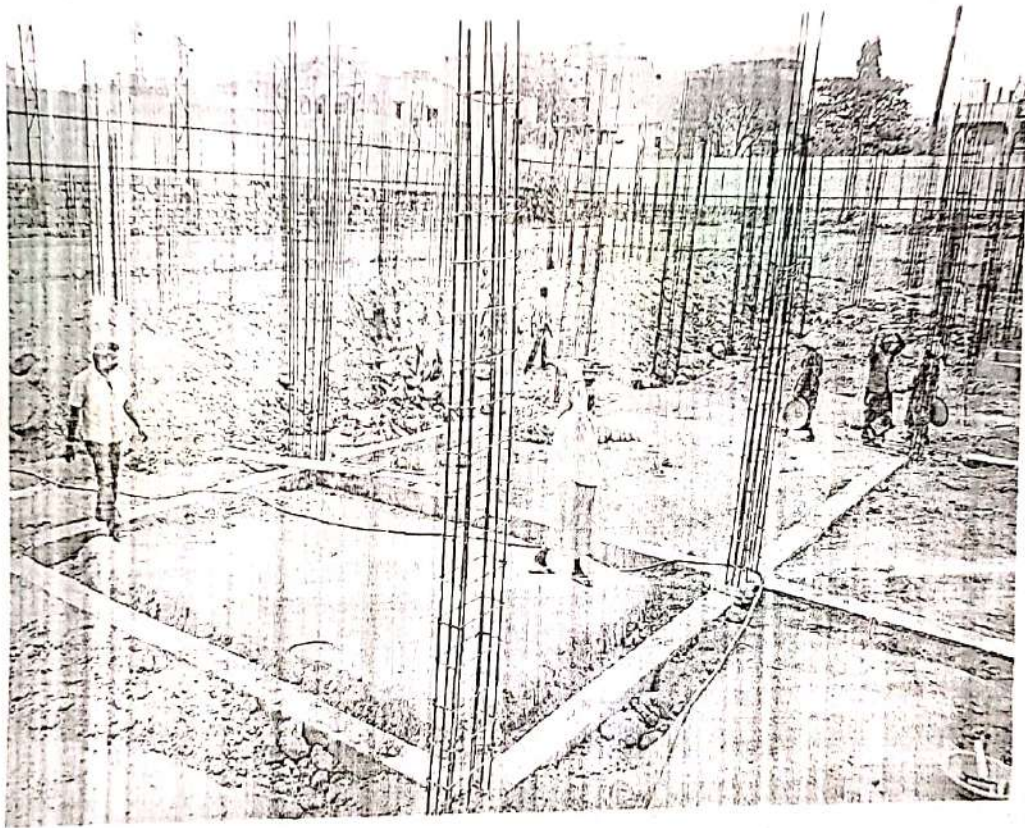




Footings Laying

Plinth Beam of the Building

- Size of the Room : 4m X 3m
- No of Rooms : 30




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Rang Reddy District, T.S. 501518

COLUMNS

- No. of Columns : 24
- Size of Column : 0.40m X 0.30m
- Grade of Concrete : M20




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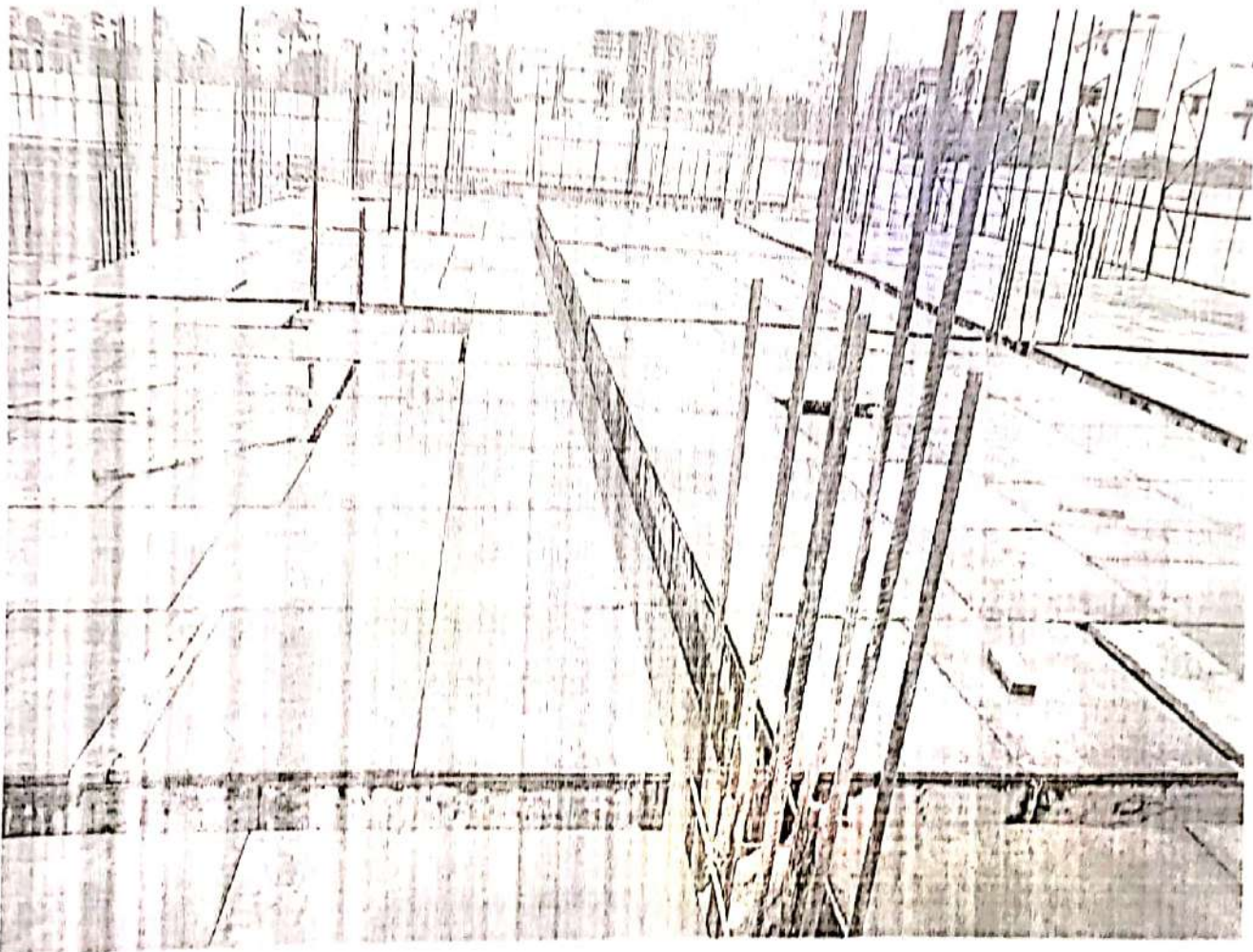



Columns Laying

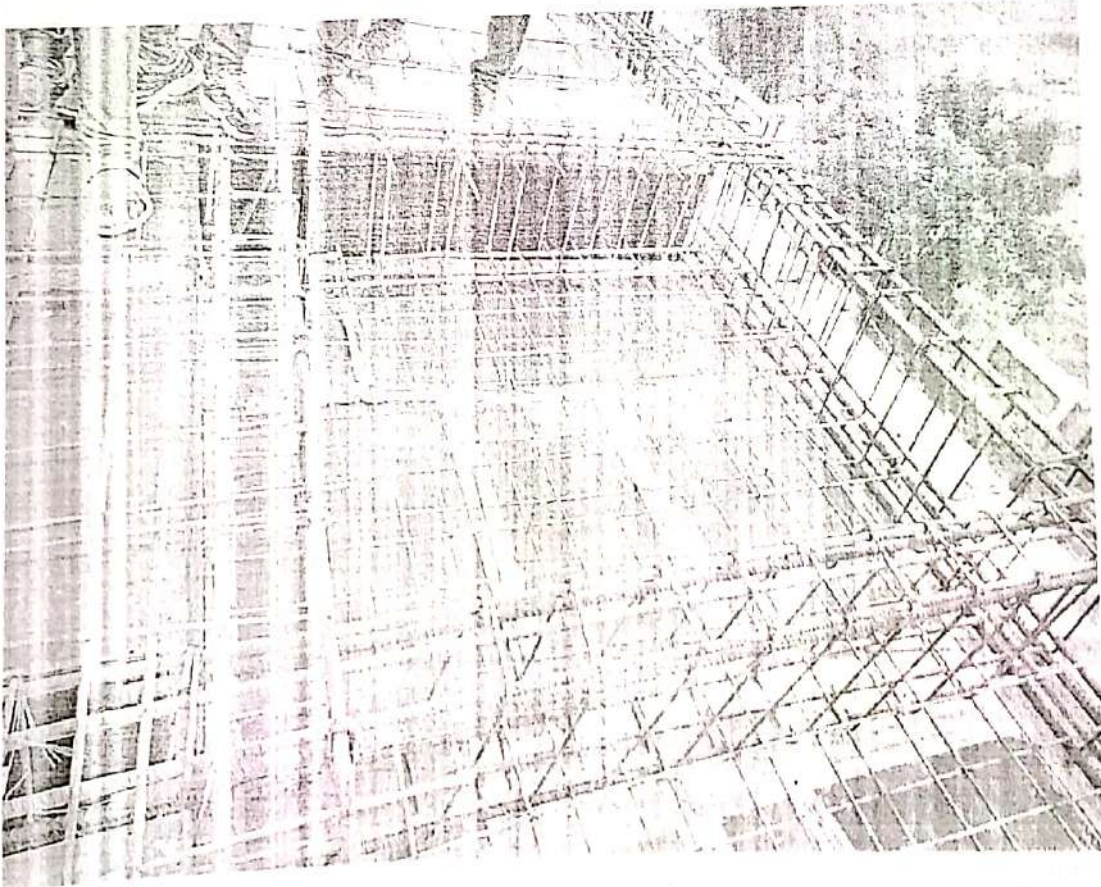
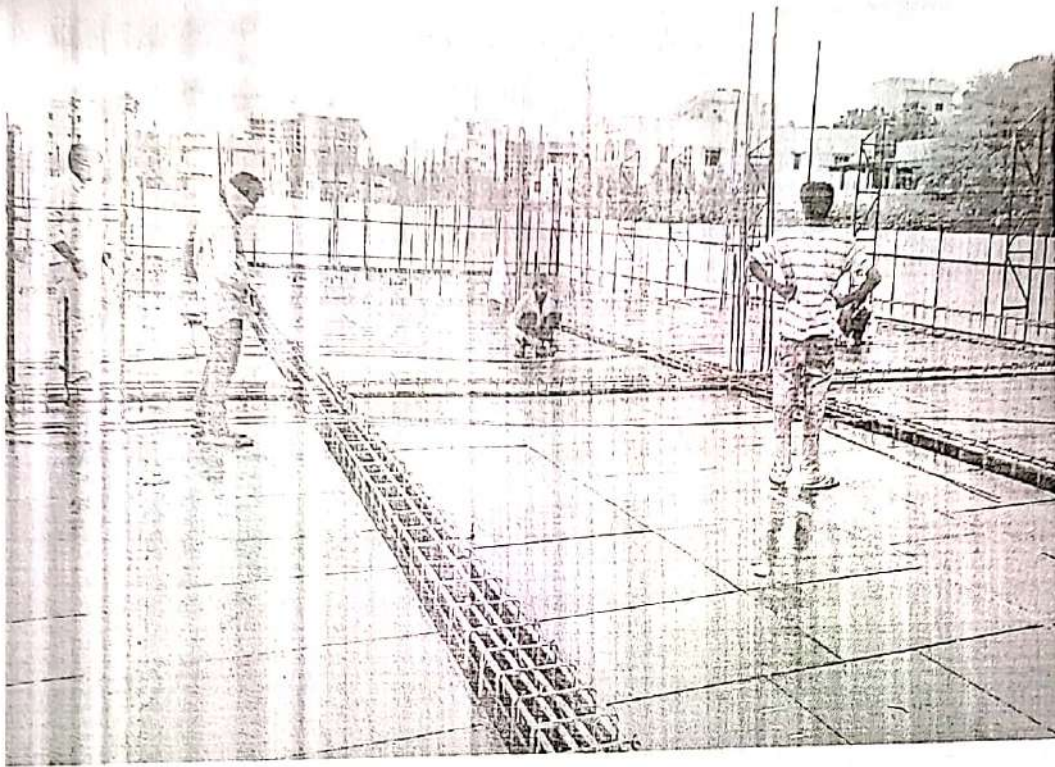

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BEAMS & SLABS

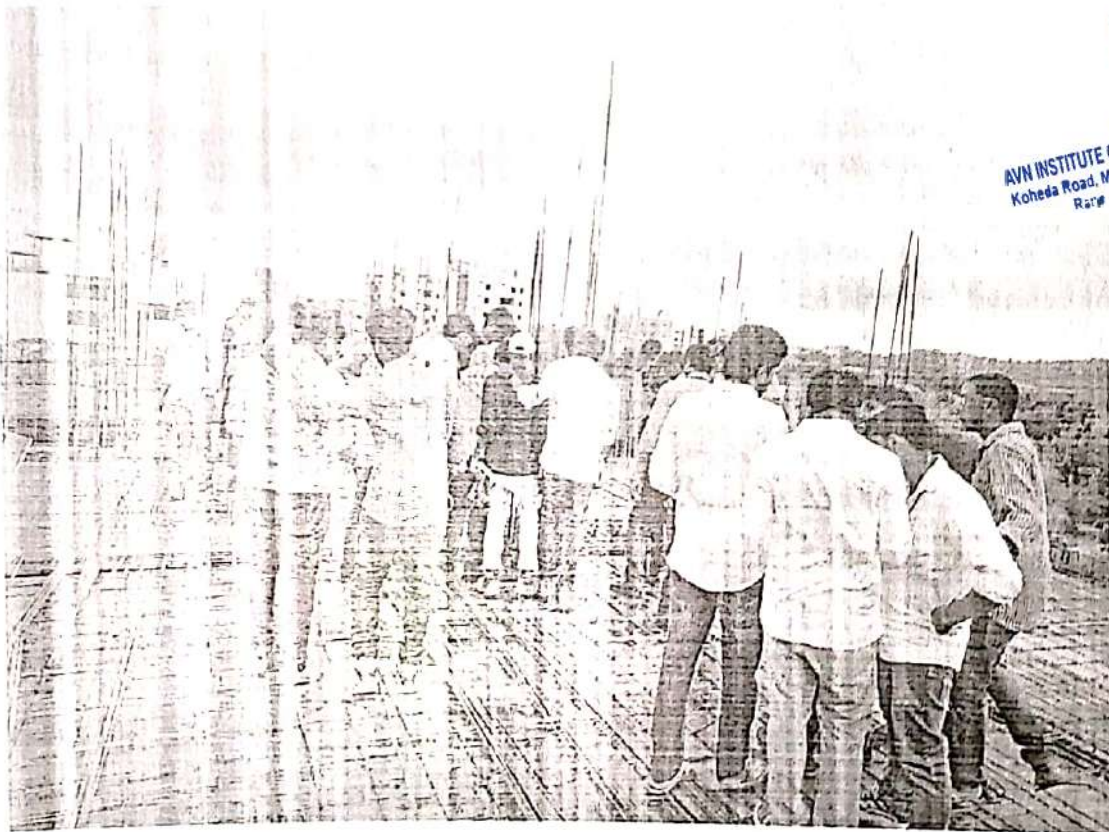
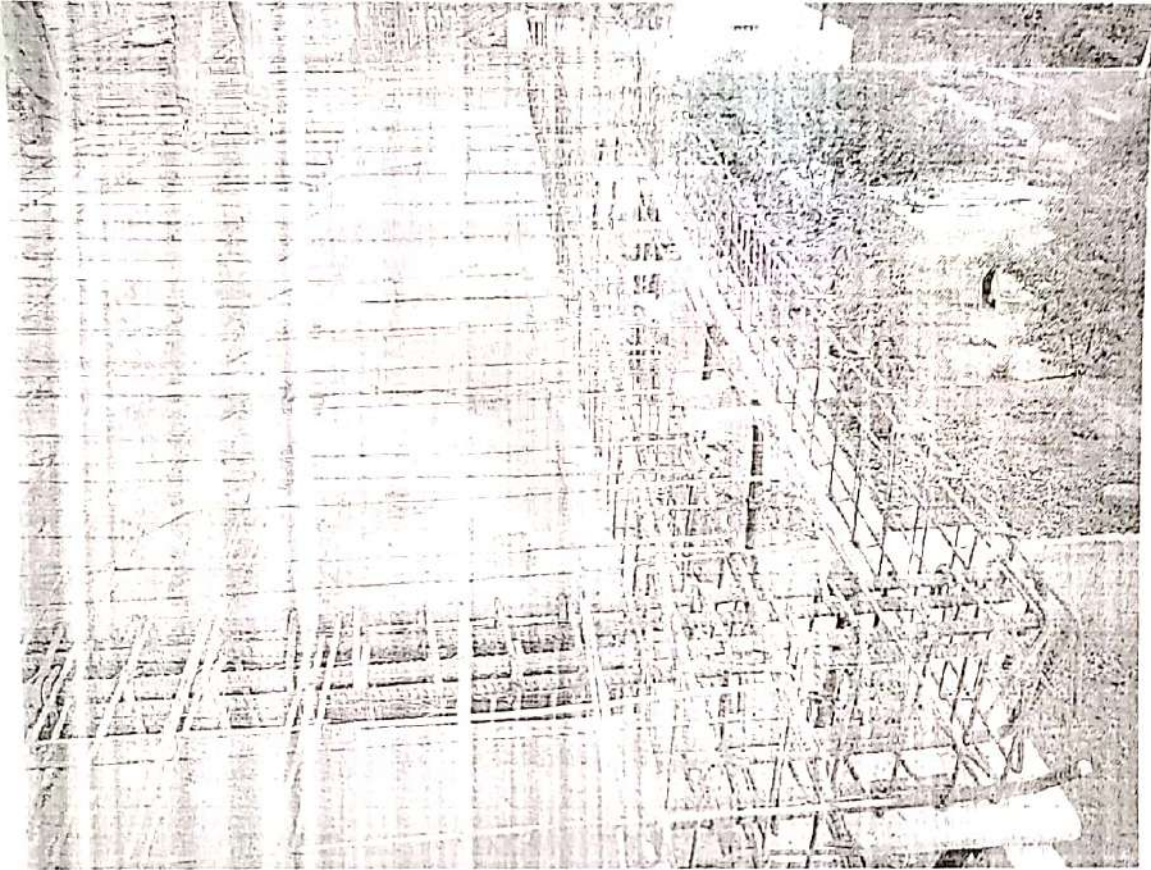
- No. of Beams – 24
- Size of Beams – 0.30m X 0.30m
- Grade of Concrete : M20



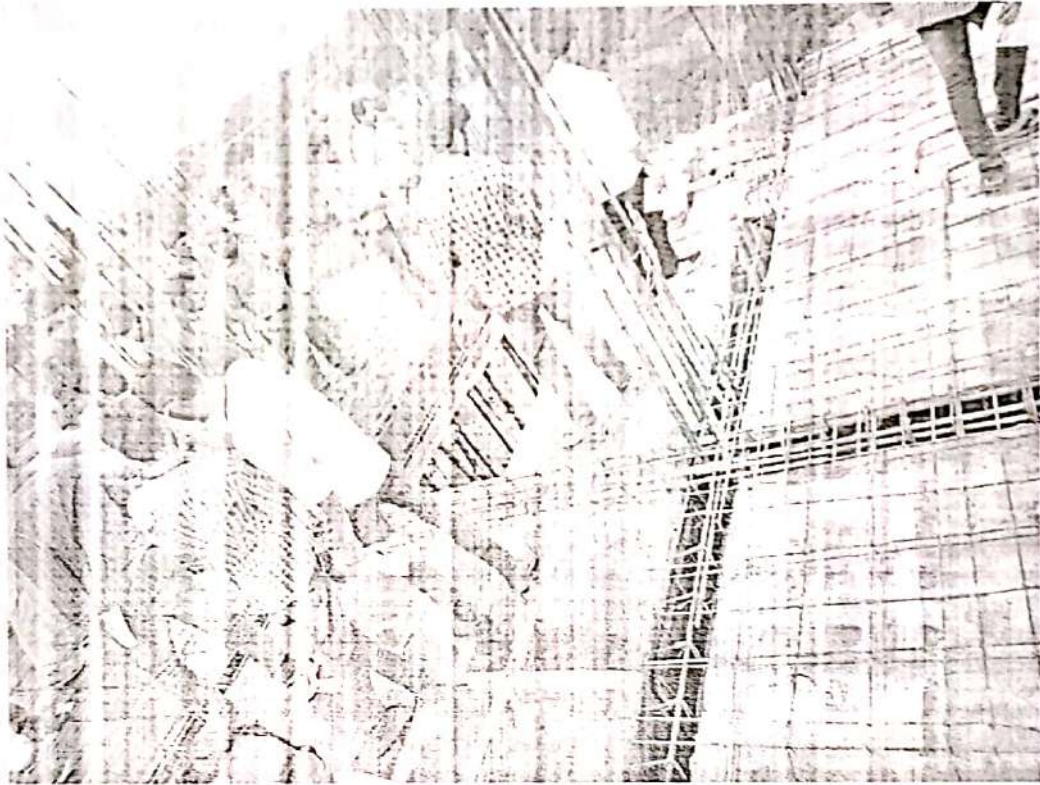

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Rang Reddy District, T.S. 501 211




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Rang Reddy District, TS. 505518

INDUSTRIAL VISIT
TO
DOORDARSHAN KENDRA
ON
10/06/2014
AT
RAMANTHAPUR


PRINCIPAL
AVN INSTITUTE OF ENGINEERING & TECHNOLOGY
Koheda Road, M.P. Patelguda (V), Ibrahimpatnam (M),
Rang Reddy District, T.S. 501518

DEPARTMENT DETAILS

- **The Department of Electronics & Communication Engineering Organized a One Day Industrial Visit to Doordarshan Kendra, Ramanthapur, and Hyderabad.**
- **To study the Communication Technology in Television and Radio, on 10/06/2014.**
- **The visit was organized with the permission of principal – Dr. J. Govardhan under the guidance of prof. & HOD P.Vijaibhaskar, along with the staff**

(i) S.Sasi Kiran, Asst.Professor.

(ii) N.Sagar, Asst.Professor.

(iii) D.Santosh, Asst.Professor.

(iv) A.Gopi, Asst.Professor.

- **Total students of B.tech III year (A&B) Sections with 4 faculty members have joined this site visit.**


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DETAILS OF JOURNEY

- We started travelling from AVNIET to Doordarshan Kendra at 9.30am on 10/06/2014.
- We reached to Doordarshan Kendra by 11.30am.
- We collected all the required data of Doordarshan team member.
- We study all the Units of Doordarshan Kendra and etc.
- Students Observe working of control room. At control room there are two VM i.e. Video mixing machine, which mix the video output of those ELG cameras.
- We arrived to our college by 6.00pm. On the same day.


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AVN INSTITUTE OF ENGINEERING AND TECHNOLOGY

Future Looks at US....

Koheda Road, M.P.Patelguda Post, Ibrahimpatnam(M)

Ranga Reddy Dist – 501 510. T.S. India. Ph:08415-201345

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



INDUSTRIAL VISIT TO DOORDARSHAN KENDRA,
RAMANTHAPUR, HYDERABAD
IV ECE STUDENTS

On 10-06-2014



Staff Members with Students


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Koheda Road, M.P. Patelguda (V), Ibrahimpatnam (M),
Rang Reddy District, T.S. 505118

DETAILS ABOUT DOORDARSHAN KENDRA TRIP

Then he took us to the studio where they conduct gathering program. Mr. S.K. Jain (Assistant Engineer) gave us some technical information about the position of lights i.e. backlight, front or key light & kill Light and cameras, as they are the most important part of their programme. There are total 3 ELG cameras & 1 ENG camera in that studio .Then he showed us the working of control room. At control room there are two VM i.e. Video mixing machine, which mix the video output of those ELG cameras. He demonstrated us that how the video from CCU (Central Control Unit) comes to VTR (Video Tape Recorder) then to CCVS (Color Composite Video Signal).


Then he took us to Audio control room where he showed us the tally distribution and audio console, from which they control the audio signals by altering the Frequencies of sound. Mr. S.K. Jain also explained about the different frequency band i.e. HF, VHF, UHF etc, Transmitter & Receiver, uplink & downlink frequency, Line of sight, analog & digital signal, resonance, microwave communication, satellite communication, waveguide, multiplexing, RF, digital encoding, quantization, noise, earth station, power supply, signal transmission, and many more such devices and principles about which we will study in current semesters as various subjects.

We took a short break thereafter, we headed towards transmission part. Transmission part explained by Mr. S. K. Jain (Assistant Engineer). There is a transmission tower of height 150 meter (105 M is concrete & 45 M of antenna).Then he informed us how the transmission of signals takes place through satellite. He took us to the Blower Room where the surrounding air comes, filtered and retransmit to the machines for their good & efficient working. Then he took us to the earth station where all the controlling of Doordarshan Kendra; Raipur is done electronically through a software named: “Evolution 5000 MEM Equipment Monitor”. From this tour we came to know about the three big Enemies of Electronics: Dust, Moisture & Temperature, for the achievement of an electronic engineer we should cope-up these 3 enemies.

In Doordarshan Kendra (Prasar Bharti), we visited the entire studio like control room, music studio, playback studio, talks studio, Transmitter Section, recording room; etc. All the students highly enjoyed their entire visit. It was an amazing experience of fun & learning, which we all have memorable reminiscences.

Last but not the least; the trip was exceptionally good & knowledgeable for all of us. We look forward to make such visits in future too as technical visits gives practical and better understanding of subjects to students and update their knowledge. We thank our AVNIET management & Dept.of.ECE. for giving such a wonderful opportunity.

INDUSTRIAL VISIT
TO
DOORDARSHAN KENDRA
ON
20/02/2015
AT
RAMANTHAPUR


PRINCIPAL
AVN INSTITUTE OF ENGINEERING & TECHNOLOGY
Koheda Road, M.P. Patelguda (V), Ibrahimpatnam (M),
Rang Reddy District, T.S. 501511

DEPARTMENT DETAILS

- **The Department of Electronics & Communication Engineering Organized a One Day Industrial Visit to Doordarshan Kendra, Ramanthapur, and Hyderabad.**
- **To study the Communication Technology in Television and Radio, on 20/02/2015.**
- **The visit was organized with the permission of principal – Dr. J. Govardhan under the guidance of prof. & HOD P.Vijaibhaskar, along with the staff**
 - (i) G.Narasimha, Asst.Professor.**
 - (ii) N.Sagar, Asst.Professor.**
 - (iii) D.Santosh, Asst.Professor.**
 - (iv) A.Gopi, Asst.Professor.**
- **Total students of B.tech IV year (A&B) Sections with 4 faculty members have joined this site visit.**


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DETAILS OF JOURNEY

- We started travelling from AVNIET to Doordarshan Kendra at 10.00am on 20/02/2015.
- We reached to Doordarshan Kendra by 4.30am.
- We collected all the required data of Doordarshan team member.
- We study all the Units of Doordarshan Kendra and etc.
- Students Observe working of control room. At control room there are two VM i.e. Video mixing machine, which mix the video output of those ELG cameras.
- We arrived to our college by 6.00pm. On the same day.


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AVN INSTITUTE OF ENGINEERING AND TECHNOLOGY

**Koheda Road, Ibrahimpatnam, Ranga Reddy Dist., Ramdas Pally,
Telangana 501510**

**DEPARTMENT OF
ELECTRONICS AND COMMUNICATION ENGINEERING**

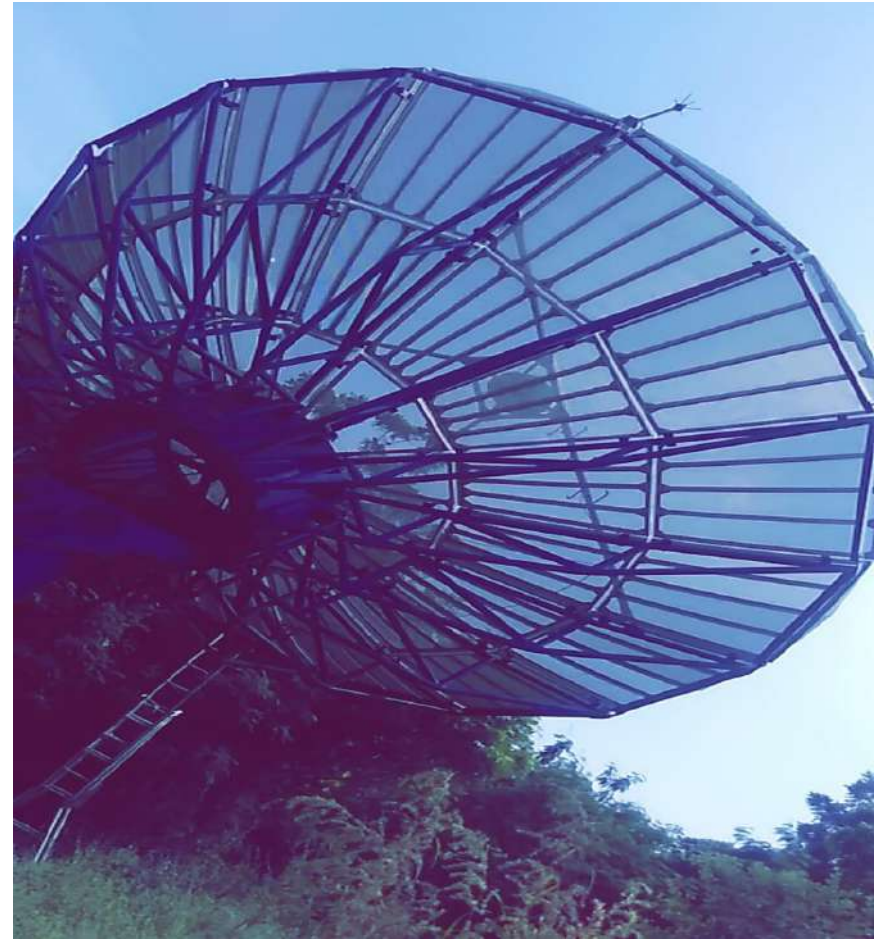


**INDUSTRIAL VISIT
TO
DOORDARSHAN KENDRA**

On 20/02/2015



Staff Members with Students




PRINCIPAL
AVN INSTITUTE OF ENGINEERING & TECHNOLOGY
Koheda Road, M.P. Patelguda (V), Ibrahimpatnam (M),
Rang Reddy District, T.S. 501518




Report of the visit:

The visit started with the video recording room where Mr.PRASAD, Assistant Engineer at Doordarshan Kendra, Ramanthapur, explained the concepts of lighting, cameras used with live demonstrations. Further, he explained VTR section where the live news reading is telecasted on Doordarshan followed by different audio and video mixing techniques with a check of their technical knowledge. Afterwards, he took the students to the main transmission section from where all the recorded programs and live programs are telecasted through the antenna. Finally, the students visited the Outdoor Broadcasting Van (OB Van) which was the centre of talk among the students as the van comprised of a separate set of transmitter and receiver within itself.

Doordarshan Kendra: Visit was conducted for about 6 hour and 30 min. sessions which covered the following details:-. And Following Departments we had visited.

- (1) Live News Room
- (2) Control Room for Live News
- (3) Program Set Room
- (4) Editing Room
- (5) On Air Control Room
- (6) Transmitter Tower
- (7) Prasar Bharati Van for Capture live news
- (8) Campus of Prasar Bharati
- (9) Makeup Room.



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