



**GURU NANAK INSTITUTE OF TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING**

NOTE SUBMITTED TO PRINCIPAL

Date: 22-01-2015,

Sir,

Sub: - Request for Industrial Visit to M/s. Vinayak Steel Industries Ltd, Kothur, Mahabub Nagar (Dt.) on 24.01.2015 & 31.01.2015 - Reg.

We Department of Mechanical Engineering is willing to arrange an industrial visit to M/s. Vinayak Steel Industries Ltd, Kothur, Mahabub Nagar, for the students of 2nd and 3rd year of Mechanical Engineering. This industry manufactures TMT bars ranges from 8mm to 32mm diameter using metal casting and rolling process. In this regard, we request you to permit and arrange two college buses on i.e. 24.01.2015 & 31.01.2015 for the above said from College campus to Kothur, Mahabub Nagar District. (55 Kms) - Via outer Ring Road.

Enclosure attached for your information and necessary arrangement please.

Visit Details:

II/IV B.Tech. 120 Students on 24-01-2015 with 4 Faculty members,

III/IV B.Tech 120 Students on 31-01-2015 with 4 Faculty members.

Timings: Departure by 09:30 AM from GNI, Arrival by 04:00 PM to GNI.

1. Vehicle can leave and come back.
2. It cannot stay HV 1600hr.
3. Sh. Hussain is inform and arrange it.

Thank You Sir,

Prof. Vijay Kumar is assured
vehicle will come back by 15:30
Drivers + have breakfast and
going to place. If it doesn't come back
return. Then on 31.1.15
M/s Vinayak Steel industries Ltd is one of the famous
return

Manufacturing Steel from the iron ore. At least of
Curriculum Mechanical students use standard products
Technology and materials metallurgy.
This will help to II/IV year Mechanical students

[Signature]
HOD-ME

Prof. B Vijay Kumar,
GNIT.

① R and forwarded to ADG for Approval
Buses
MS - [Signature]
24/1
[Signature]

[Signature]
22-1-15



Guru Nanak Institute of Technology

(Approved by All India Council for Technical Education, New Delhi & Affiliated to JNTU, Hyderabad)

Campus: Ibrahimpatna, R.R. District - 501 006 (A.P.) Ph: (0995) 8414 20 21 20/21, Fax: 08414-22 33 44

City Office: B2, 2nd floor, Above Bata, Vikrampur Colony, Kankhana, Secunderabad 500 009 Ph: 040-6632 3294, 65176147, Fax: 040-2789 2633

Date: 21-01-2015,

Ibrahimpatnam.

To,

Mr.Srinivas,

The General Manager,

Vinayak Steel Industries Ltd,

Kothur, Mahabubnagar,

Hyderabad.

Respected Sir,

Subject: Permission for Industrial visit in your esteemed organization on 24.01.2015 & 31.01.2015 -Request reg.

Guru Nanak Institute of Technology is located about 33 kms from Hyderabad, at Ibrahimpatnam, RR District, and Hyderabad, in serene and tranquil surroundings. Guru Nanak Institute of Technology (GNIT) is promoted by Guru Nanak Educational Society, which was founded to educate and empower the youth who play decisive role in shaping the destiny of the nation. The college was established in the year 1999 with an objective to impart quality education to students in the field of Technology and Management studies. The college is affiliated to Jawaharlal Nehru Technological University Hyderabad (JNTUH). GNIT has emerged as one of the Premier Engineering College in the state with an overall intake of 750 students in various under graduate and post graduate courses including B Tech, M Tech, MBA and MCA.

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It will be great privilege to our students to visit your prestigious organization. We request you to permit our II & III B Tech Mechanical Engineering students to see the manufacturing process in your esteemed organization under your supervision during the dates i.e., on 24.01.2015 & 31.01.2015 for II year and III year.

Thanking You,

Yours Truly,

Dr. S. Sreenatha Reddy

Principal

Guru Nanak Institute of Technology
Khanapur, Ibrahimpatnam,
R.R. Dist-501 506.

HOD-MECHANICAL DEPARTMENT
HOD-ME
Guru Nanak Institute of Technology
Khanapur (V), Ibrahimpatnam,
R.R. Dist-501506

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- Guru Nanak Institute of Technology
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- Guru Nanak Institute of PG Studies (IIBA & IMA)
- Parineeya Hospital, Institute of Dental Studies & Research Centre
- Guru Nanak Institute of Engineering & Management (Nagpur)



Guru Nanak Business School

- Guru Nanak Institute of Engineering & Technology (Nagpur)
- Hermes College of Engineering & Management (Roorkee)
- The Edify School, DRS Education (Nagpur)



REPORT OF INDUSTRIAL VISIT

On
24-Jan-2015

Prepared By
N Praveen Kumar
Roll No. 14835A0313
Guru Nanak Institute Of Technology
Hyderabad

Submitted To
The Head Of The Department
Mechanical Engineering
Guru Nanak Institute Of Technology
Hyderabad

Respected Sir,

Sub: Report Of The One - Day Industrial Visit

Writing this industrial visit report happens to be one of the greatest achievements in this phase of my life. Express my heartiest thanks to those who provided me tremendous support and making it a useful firsthand experience. I am indebted to those who helped me in one way or the other in heavy indeed. I take the opportunity to thank all of them. I am very thankful to our Principal & HOD after receiving of permission from Vinayaka Steels Ltd., Students with four Faculty Members (Mr. Jayanth Ivalla, Mr. Himam, Mr. Manideep & Mr. Srihari) went on an Industrial Visit to the Vinayaka Steels Ltd on 24-01-2015. We all assembled at the college by 9 A.M. and left the college in college bus. We reached the Vinayaka Steels Ltd At 11 O'clock. It is located at Coal Gasifier E, Darga Road, Kothur Village, Farooqnagar city/town, Mahabub Nagar district. The members charge of production received us at the entrance and gave a brief introduction about Vinayak Steels Ltd. An Informative, Interesting and a Successful Visit. As Students Of Mechanical Engineering, We Learned a lot of things

We noticed in industry that different processes while in making of TMT Bars listed below:

- a) Storing of Iron Ore Powder
- b) Drying (to remove moisture content exists in powder)

Mixing different materials like (coke-Heating agent, Limestone-Base agent, Bentonite-Bonding agent)

- c) Kiln (the metals balls in it make powder into soft particles nearly 0.01 microns).

- d) Revolving Drum (it is in angle of 45 degrees powder is mixed with 6 % of water small balls are formed).
- e) Producer Gas (By using coal the producer gas is formed and small balls are sent it will become hard).
- f) Sponge-iron (screening is made in kiln there exists 7 chambers at different temperatures dolomite, coal and ore is mixed excess oxygen is removed and keep upto 9% of oxygen in this process non magnetic particles are removed).
- g) Furnace (the sponge-iron and scrap heated in a ladle nearly 1600° C and removal of slag takes place in this process).
- h) The molten metal is poured into a die. Water cooling (Quenching) taken place before pouring.
- i) Gas cutting is made after pouring then Rectangular Billets are formed.
- j) Billets send through Rollers (different types of rollers make billets in to round bars).
- k) Air cooling will be made.
- l) Dispatching

The Visit Came To An End At 3.00p.M.

Product out comes and applications we noticed. They produce 8 mm to 45 mm bars. The applications of TMT Bars known after visiting industry General purpose, concrete re-enforcement structures, Bridges Flyovers, Dams, High rise buildings, Industrial structures, Concrete roads. We express our thanks to the principal who permitted us to go on the visit, the faculty members who accompanied us and the officials who explained the various departments. Behalf the students i request you to arrange more industrial visit for students which can practically train the students and there is a chance of increase in Practical thinking.

Thanking You,



Yours faithfully,
(N.Praveen Kurmar)
14835A0313.

GURU NANAK INSTITUTE OF TECHNOLOGY
MECHANICAL DEPARTMENT

II-A STUDENT

SL.NO	ROLL.NO	NAME	Departure	
1	13831A0301	A KRISHNASANDEEP		Arif
2	13831A0302	ADIL BASHER	- Absent	Adil
3	13831A0303	ADITYARAJ G		Aditya
4	13831A0304	ADMAN KAR VINOD		Adman
5	13831A0305	A YESHWANTH REDDY		Yeshwanth
6	13831A0306	AKASH PANDEY	absent	Ashish
7	13831A0307	AMANAGANTI MOHANA KRISHNA	absent	Aman
8	13831A0308	ANAND KUMAR	absent	Anand
9	13831A0309	ANDEY RAJ KUMAR		Anand
10	13831A0310	A NAGI REDDY		Anand
11	13831A0311	ANUMULA HARISH		Anand
12	13831A0312	BADDA AKHILKUMAR		Anand
13	13831A0313	BANDELA SRINIVAS		Anand
14	13831A0314	BANOTH SRAVAN		Anand
15	13831A0315	BATTULA SUSHMA		Anand
16	13831A0316	B VIJAY KUMAR		Anand
17	13831A0317	BHANURI SAI KIRAN		Anand
18	13831A0318	BOGAM SUMANTH		Anand
19	13831A0319	CHALLA MOUNIKA		Anand
20	13831A0320	CHELIMELA SREEJA		Anand
21	13831A0321	CHINTABAI SHIRISHA		Anand
22	13831A0322	CHIRRA ANIL KUMAR		Anand
23	13831A0323	D NITHIN KUMAR RAO		Anand
24	13831A0324	D SAI MANIKANTA		Anand
25	13831A0325	DHARAVATH PRANEETH		Anand
26	13831A0326	DHARAVATH SAI CHARAN		Anand
27	13831A0327	G BHARGAV	absent	Anand
28	13831A0328	G SANDEEP REDDY		Anand
29	13831A0329	G SUNIL REDDY		Anand
30	13831A0330	GADDAM RAVINDER		Anand
31	13831A0331	GADIDA SHIVA TEJA		Anand
32	13831A0332	GAJJALA MAHENDER	absent	Anand
33	13831A0333	G LAVA KUMAR		Anand
34	13831A0334	G RAMAKISHAN		Anand
35	13831A0335	GANTALA SHARADA		Anand
36	13831A0336	G ANIL KUMAR		Anand
37	13831A0337	GOSIKA UTHAM		Anand
38	13831A0338	G YOGESH GURUNATH		Anand
39	13831A0339	GUGULOTH RAKESH		Anand
40	13831A0340	GUMMADI NIRUP		Anand
41	13831A0341	HASAN ALI		Anand
42	13831A0342	K SRIHARSHA		Anand

43	13831A0343	KADAPA PRAMOD TEJA	absent	
44	13831A0344	K GOUTHAMESHWAR RAO		
45	13831A0345	K NAVEEN KUMAR		Navan
46	13831A0346	KANNAM SAIKRISHNA	absent	Navan
47	13831A0347	KASUKURTHI SANDEEP		Sai krishna
48	13831A0348	K SIDDARTH REDDY		Sandeep
49	13831A0349	KHAZI BASEER UDDIN		SND
50	13831A0350	K SAI DEEPAK	Pradeep	Pradeep
51	13831A0351	KUNSOOTH PRASHANTH		Prashanth
52	13831A0352	LINGICHETY LAVANYA		Lavanya
53	13831A0353	M HARIKA	Harika	Harika
54	13831A0354	MAHAMMED REHAAN		Rehan
55	13831A0355	MANDALA RAJU		Raju
56	13831A0356	MANDALA SAIRAM	M. Raju	M. Raju
57	13831A0357	M SUNIL KUMAR	M. Sairam	M. Sairam
58	13831A0358	M VENKATESH	M. Sunil	M. Sunil
59	13831A0359	MD SOHAIB KHAN	M. Venkatesh	M. Venkatesh
60	13831A0360	MD ABDUL SAMEER	MD Sohaib Khan	MD Sohaib Khan
61	14835A0301	Raju. B	absent	
62	14835A0302	Mounika.	B. Raju	B. Raju
63	14835A0303	Raju. G.	absent	
64	14835A0304	Mandana.	Mandana	Mandana
65	14835A0305	Abhinish.	Abhinish	Abhinish
66	14835A0306	Mukesh.	absent	
67	14835A0307	Shrawan. H.	H. Shrawan	H. Shrawan





Guru Nanak Institute of Technology

64

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City Office: B2, 2nd floor, Above Sata, Vikrampur Colony, Kaikhana, Secunderabad 500 000 Ph: 040 6632 3234, 65176147, Fax: 040-2789 2633

Date: 21-01-2015,

Ibrahimpatnam.

To,

Mr.Srinivas,

The General Manager,

Vinayak Steel Industries Ltd,

Kothur, Mahabubnagar,

Hyderabad.

cc: 9848374376.

Respected Sir,

Subject: Permission for Industrial visit in your esteemed organization on 24.01.2015 & 31.01.2015 -Request reg.

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Parineeta's Hospital, Institute of Dental Studies & Research Centre
Guru Nanak Institute of Engineering & Management (Gurukul)

Guru Nanak Business School
Guru Nanak Institute of Engineering & Technology (Nagpur)
Herries College of Engineering & Management (Roorkee)
The City School, DSS Education (Nagpur)



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Dr. S. Sreenatha Reddy

Principal
Guru Nanak Institute of Technology
Khanapur, Ibrahimpatnam,

HOD MECHANICAL DEPARTMENT
Guru Nanak Institute of Technology
Khanapur (V), Ibrahimpatnam,
R.R. Dist-501506

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Guru Nanak
Business School

Guru Nanak Institute of Engineering & Technology (Nagpur)
Hermes College of Engineering & Management (Roorkee)
The Edify School, DRS Education (Nagpur)



B.TECH III YEAR B SECTION 2012 BATCH LIST

Sl.No	Roll No	Name of the Student	FN	AN
1	12831A0362	MAINAM MANIKUMAR	[Signature]	[Signature]
2	12831A0363	MALDHE ARUN KUMAR	[Signature]	[Signature]
3	12831A0364	MALLOTH KRANTHI KUMAR	AB B -	AB B -
4	12831A0365	MAMINDLA SRILATHA	Srilatha	Srilatha
5	12831A0366	MANAS JYOTI GOGOI	[Signature]	[Signature]
6	12831A0367	MANPREET SINGH MALLI	AB -	AB -
7	12831A0368	MAROJU SHRAVAN KUMAR	[Signature]	[Signature]
8	12831A0369	MATETI ANVESH	[Signature]	[Signature]
9	12831A0370	MATTA PRANEETH	[Signature]	[Signature]
10	12831A0372	MD KAZIM HUSSAIN SHAH NAWAZ	[Signature]	[Signature]
11	12831A0373	MOHAMMAD ABDUL SALMAN HUSSAIN	[Signature]	[Signature]
12	12831A0374	MOHD KHALED HUSSAIN	AB B -	AB B -
13	12831A0375	NEEL MURLIKRISHNA	[Signature]	[Signature]
14	12831A0376	NIKHIL MITTAPALLY	[Signature]	[Signature]
15	12831A0377	PALAMARI GURU CHANDRA TEJA	[Signature]	[Signature]
16	12831A0378	PALLE VARUN KUMAR	[Signature]	[Signature]
17	12831A0379	PALWAI RAMYA	[Signature]	[Signature]
18	12831A0380	PAREEK SUMIT	[Signature]	[Signature]
19	12831A0381	POLASANI SRIJAN RAO	[Signature]	[Signature]
20	12831A0382	PRAJAPATHI MUKESH KUMAR	[Signature]	[Signature]
21	12831A0383	PRAYAGA SNEHA	[Signature]	[Signature]
22	12831A0384	S SANTHOSH	[Signature]	[Signature]
23	12831A0386	SAKIRAN SUROJU	[Signature]	[Signature]
24	12831A0387	SAJJA GOPI KRISHNA	[Signature]	[Signature]
25	12831A0388	SALLURI RAHUL	[Signature]	[Signature]
26	12831A0389	SAURABH SAHU	[Signature]	[Signature]
27	12831A0390	SEETHALA PUSHYA RAG	[Signature]	[Signature]
28	12831A0391	SHAIK AZHARUDDIN	[Signature]	[Signature]
29	12831A0392	SIRIPOTHULA MAHESH	[Signature]	[Signature]
30	12831A0393	SRINATH GOUD BEERNELLY	AB B -	AB B -
31	12831A0394	SUNDARAGIRI NIKHILA	[Signature]	[Signature]
32	12831A0395	SYED YOUSUF QUADRI	[Signature]	[Signature]
33	12831A0396	TADDI BHARGAV SANYASI NAIDU	[Signature]	[Signature]
34	12831A0398	THALLA NIKHIL	[Signature]	[Signature]
35	12831A0399	THEMBARAVENI AJAYKUMAR	[Signature]	[Signature]
36	12831A03A0	TUMMALAPALLI V V SATYANARAYANA MURTHY	AB B -	AB B -
37	12831A03A1	VAKITI VENKATESH	[Signature]	[Signature]
38	12831A03A2	VANAM SREERAM SARAN	[Signature]	[Signature]
39	12831A03A3	VANGA VEDAVYAS RAO	[Signature]	[Signature]
40	12831A03A4	VANGALA SRITEJA	[Signature]	[Signature]
41	12831A03A6	VASA SRINADH	[Signature]	[Signature]
42	12831A03A7	VEMGAL UDAY KUMAR	[Signature]	[Signature]
43	12831A03A8	VEMULA PAVAN KUMAR	[Signature]	[Signature]
44	12831A03A9	Y AJAY	AB -	AB -
45	12831A03B0	Y VISHNUYARDHAN REDDY	[Signature]	[Signature]
46	11831A0326	KODEPAKA RAMA KRISHNA	[Signature]	[Signature]
47	13835A0307	KAAMARTHI SURESH	[Signature]	[Signature]
48	13835A0308	KAMMARI MURALIKRISHNA ACHARI	[Signature]	[Signature]
49	13835A0309	M NARAYANA REDDY	[Signature]	[Signature]
50	13835A0310	MAGGIDI HARISH KUMAR	[Signature]	[Signature]
51	13835A0311	MARIPEDHI MADHUSUDHAN REDDY	[Signature]	[Signature]
52	13835A0312	MEGHAVATHU RAMESHNAIK	AB B -	AB B -
53	13835A0313	MUTTENI RAJASHEKER	[Signature]	[Signature]
54	13835A0314	NAGULA SHARATH KUMAR	[Signature]	[Signature]
55	13835A0315	RACHURI HARISH KUMAR	[Signature]	[Signature]
56	13835A0316	RADAPAKA HARISH	[Signature]	[Signature]
57	13835A0317	RAMA YATH MOULI NAIK	[Signature]	[Signature]
58	13835A0318	SAKINALA SAINATH	[Signature]	[Signature]
59	13835A0319	SHAIK SAJID ALI	[Signature]	[Signature]
60	13835A0320	SRIBHASHYAM BHARADHWAJ	[Signature]	[Signature]
61	13835A0321	Y HARISH	[Signature]	[Signature]
62	11831A0328	MONCY GEORGE CHACKO	AB -	AB -
63	11831A0309	BUDDHE SAI BHARADWAJ	[Signature]	[Signature]
64	11831A0345	RAMINDLA PRASANNA KUMAR	AB -	AB -
65	11831A0377	KOTLA SAI RAMA RAO	AB -	AB -

Visited
10/02/15
(Swaraj Rao)



HOD-ME

B.TECH III YEAR A SECTION 2012 BATCH LIST

S.no	Roll No	Name of the Student	FN	AN
1	12831A0302	AEDLA VIDYA SAGAR	Aedla Vidya Sagar	Aedla Vidya Sagar
2	12831A0303	AHMAD SAEED KHAN	Ahmad Saeed Khan	Ahmad Saeed Khan
3	12831A0305	ANIRUDH	Anirudh	Anirudh
4	12831A0306	ANJAN JYOTI NATH	Anjan Jyoti Nath	Anjan Jyoti Nath
5	12831A0307	ASARI AJAY YADAV	Asari Ajay Yadav	Asari Ajay Yadav
6	12831A0308	B OBULESH	B Obulesh	B Obulesh
7	12831A0309	B RAKESH	B Rakesh	B Rakesh
8	12831A0310	B SPANDANA	B Spandana	B Spandana
9	12831A0312	BEDDALA VENKATESH	Beddala Venkatesh	Beddala Venkatesh
10	12831A0313	BHUKYA SNEHA	Bhukya Sneha	Bhukya Sneha
11	12831A0314	BUKYA MADHU BALA	Bukya Madhu Bala	Bukya Madhu Bala
12	12831A0315	CHALLA GANESH	Challa Ganesh	Challa Ganesh
13	12831A0316	CHANDRAGIRI ROHINI	Chandragiri Rohini	Chandragiri Rohini
14	12831A0317	CHAVVA THARUN	Chavva Tharun	Chavva Tharun
15	12831A0318	CHEPURI DORA DEEPAK	Chepuri Dora Deepak	Chepuri Dora Deepak
16	12831A0319	CHERUKU SWATHI	Cheruku Swathi	Cheruku Swathi
17	12831A0320	CHETLA LAXMAN KIRTHI	Chetla Laxman Kirthi	Chetla Laxman Kirthi
18	12831A0321	CHINNA PAGA DEEKSHIT KUMAR	Chinnapaga Deekshit Kumar	Chinnapaga Deekshit Kumar
19	12831A0322	CHINTHAPALLI NAVEEN	Chinthapalli Naveen	Chinthapalli Naveen
20	12831A0323	CHIPPARI PREM SAGAR	Chippari Prem Sagar	Chippari Prem Sagar
21	12831A0324	D ABHIRAM	D Abhiram	D Abhiram
22	12831A0325	DASARI SUNITHA	Dasari Sunitha	Dasari Sunitha
23	12831A0326	ESLAVATH DIVYA	Eslovath Divya	Eslovath Divya
24	12831A0327	ESTAMSETTI MANASVI	Estamsetti Manasvi	Estamsetti Manasvi
25	12831A0328	GANDHAM SHARATHCHANDRA	Gandham Sharathchandra	Gandham Sharathchandra
26	12831A0329	GANESAN AMRITHA RAJ	Ganesan Amritha Raj	Ganesan Amritha Raj
27	12831A0330	GANNA SHIVA PRASAD	Ganna Shiva Prasad	Ganna Shiva Prasad
28	12831A0331	GANTA NISHITHA	Ganta Nishitha	Ganta Nishitha
29	12831A0332	GARGE DINESH	Garge Dinesh	Garge Dinesh
30	12831A0333	GUBBA VENKATESH GUPTA	Gubba Venkatesh Gupta	Gubba Venkatesh Gupta
31	12831A0334	GUNDETI MOUNIKA	Gundeti Mounika	Gundeti Mounika
32	12831A0335	GUNTI MAHESH	Gunti Mahesh	Gunti Mahesh
33	12831A0336	H. ASHEETHA	H. Asheetha	H. Asheetha
34	12831A0337	JAKKULA YAMSHI	Jakkula Yamshi	Jakkula Yamshi
35	12831A0338	JILLA NARENDHER GOUD	Jilla Narendher Goud	Jilla Narendher Goud
36	12831A0339	JILLEPALLI RAVI TEJA	Jillepalli Ravi Teja	Jillepalli Ravi Teja
37	12831A0340	JULAKANTI SHIVA SAI REDDY	Julakanti Shiva Sai Reddy	Julakanti Shiva Sai Reddy
38	12831A0341	JUMBARTHI NAGA RAJU	Jumbarthi Naga Raju	Jumbarthi Naga Raju
39	12831A0342	K PRAVEEN KUMAR REDDY	K Praveen Kumar Reddy	K Praveen Kumar Reddy
40	12831A0343	K S SAI PRASHANTH	K S Sai Prashanth	K S Sai Prashanth
41	12831A0344	KAMATAM MAHESH	Kamatam Mahesh	Kamatam Mahesh
42	12831A0345	KAPURAPU ROHITH	Kapurapu Rohith	Kapurapu Rohith
43	12831A0346	KARANAM GOBBURI PAVAN KUMAR	Karanam Gobburi Pavan Kumar	Karanam Gobburi Pavan Kumar
44	12831A0348	KOMMARAJU LALITHA SRAVANI	Kommaraju Lalitha Sravani	Kommaraju Lalitha Sravani
45	12831A0349	KOMMINENI VAMSI KRISHNA	Kommineni Vamsi Krishna	Kommineni Vamsi Krishna
46	12831A0350	KONDA JYOSTHNA	Konda Jyosthna	Konda Jyosthna
47	12831A0351	KONDAM MANJUSHA	Kondam Manjusha	Kondam Manjusha
48	12831A0352	KONDUKURI SAI SAKETH	Kondukuri Sai Saketh	Kondukuri Sai Saketh
49	12831A0353	KOTA NAGA HARISH	Kota Naga Harish	Kota Naga Harish
50	12831A0354	KUKUDALA MANOJ KUMAR	Kukudala Manoj Kumar	Kukudala Manoj Kumar
51	12831A0355	KURVA RAVITEJA	Kurva Raviteja	Kurva Raviteja
52	12831A0356	LAXMIDEVI CHANDRASEKAR	Laxmidevi Chandrasekar	Laxmidevi Chandrasekar
53	12831A0357	M KARTHIKEYAN	M Karthikeyan	M Karthikeyan
54	12831A0358	M RAMA KRISHNA RAO	M Rama Krishna Rao	M Rama Krishna Rao
55	12831A0359	M ROHIT	M Rohit	M Rohit
56	12831A0360	M SWATHI	M Swathi	M Swathi
57	13835A0301	BANOTH VIKRAM	Banoth Vikram	Banoth Vikram
58	13835A0302	CHINTAKUNTA LAKSHMIKANTH REDDY	Chintakunta LakshmiKanth Reddy	Chintakunta LakshmiKanth Reddy
59	13835A0303	GADALA NARESH KUMAR	Gadala Naresh Kumar	Gadala Naresh Kumar
60	13835A0304	GILAKAPALLY RAJASAMPATH REDDY	Gilakapally Rajasampath Reddy	Gilakapally Rajasampath Reddy
61	13835A0305	GOUNDLA MAHESHGOUD	Goundla Maheshgoud	Goundla Maheshgoud
62	13835A0306	GUNDRATHI MASTANAIAH GOUD	Gundrathi Mastanaiah Goud	Gundrathi Mastanaiah Goud

Visited
E. Vikas
(E-VISCO (SWARA RAO))

HOD-ME



Visiting a Factory

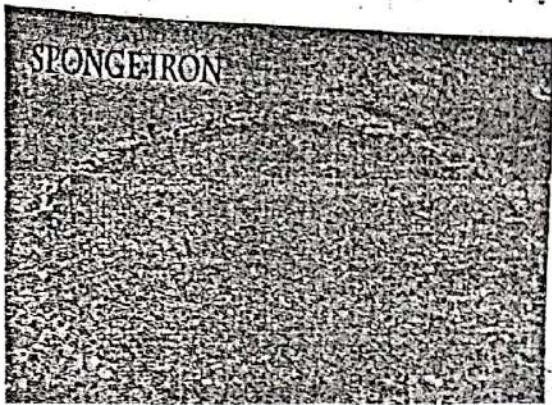
Vinayak steels Limited Process of Making TMT Bars

Introduction:

This is the industrial visit done at Vinayak steels Limited located at Kothur (village) Mahaboobnagar District. This plant is an ISO: 9001:2001 certified company manufacturing TMT bars of grades Fe 415 and Fe 500. This plant mainly consists of 3 divisions. They are

1. Sponge Iron
2. Furnace
3. Rolling Mill

The Rolling mill in the plant is erected by the technology from Hennigsdorfer STAHL engineering GMBH Germany under the license of H and K Thermax to manufacture Quenched and self tempered (QST) re bars under IS: 1786. This plant manufactures



sponge iron is the end product of direct reduction of iron ore

The Raw material used for sponge iron production are namely

1. Iron ore
2. coal
3. Lime stone

1. IRON ORE :-

Iron ore is the main raw-material in sponge iron production. Depending upon the quality iron ore is classified into many types.

- 1) Hematite (Fe_2O_3)
- 2) Magnetite (Fe_3O_4)
- 3) Wustite (FeO)
- 4) plerarit

