From
Department of Chemistry,
S.K.R.G.D.C.(W),
RAJAMAHENDRAVARAM.

To
The Principal,
S.K.R.G.D.C.(W),
RAJAMAHENDRAVARAM.

Madam,

Sub:- Request to accord permission to accompany degree students for field trip- RATNA PLASTICS, DOWLEISWARAM- regarding

We wish to bring to ypur kind notice that it is mandatory to visit degree students to a Field trip.

Hence, we request you to accord permission for the field trip today at 10.00am i.e. On 24.02.2023 with UG students to Ratna Plastics , Dowleiswaram.. We here with enclose the list of students with whom we are accompanying.

We also request you to sanction eligible amount to finish the field trip.

Thanking you,

Yours faithfully,

1. V B Sund
2. N. [signature]

I/c
[signature] 24/2/23.

S.No.	Name	Class	Signature
1	M. Geethika	I B.Sc	M. Geethika
2	U. Akhila	"	U. Akhila
3	T. Namratha.	"	T. Namratha
4	P. Lavanya	"	P. Lavanya.
5	Ch. Keerthika	"	Ch. Keerthika.
6	P. Anuradha	"	P. Anuradha.
7	SK. Heena Taslima	"	Sk. Heena Taslima
8	K. Sandhya	"	K. Sandhya
9	J. Pravallika	"	J. Pravalika
10	Y. Narsi Kumari	"	Y. Narsi Kumari
11	N. Varshini	"	N. Varshini
12	T. Sailaja	"	T. Sailaja
13	P. Sravani	"	P. Sravani
14	P. Manga	"	P. Manga
15	K. Rajya Lakshmi	"	K. Rajyalakshmi
16	V. Rebecca	"	V. Rebecca.
17	B. sada sai	"	B. Sadasai
18	M. Bhavya sri	"	M. Bhavyasree
19	J. Varshini	"	J. Varshini
20	B. Sudha Kiranmai	"	B. Sudha Kiranmai
21	B. Surekha	"	B. Surekha

22	S. Reethabasini	11	S.R.Hasini
23	K. Jhansi	11	K. Jhansi
24	M. Madhu priya	11	M. Madhu Priya
25	M. Mayeswarupini	11	M. Mayi Swarupini
26	A. Swathima	11	A. Sathima
27	G. Remanissi	11	Remanissi.
28	S. Sai suritha	11	S. Sai Suritha
29	D. Ishwarya	11	D. Iswarya
30	R. Buela	11	R. Buela
31	L. Sharmila	11	L. sharmila
32	J. Swathi Dora	11	J. Swathi Dora
33	M Mighty grace	11	M. Mighty grace
34	G. Vasundhara	11	G. vasundhara
35	P. kavya.	2nd BSc	P. kavya.
36	S. Sathwika.	11	Sathwika.
37	S. Neeraja	11	S. Neeraja
38	S. Naga Jyothi	11	S. Naga Jyothi
39	R. Nandini	11	R. Nandini
40	P. Hemalatha Reddy	11	P. H. L Reddy
41	P.H.H Bindeswari Reddy		P.H.H.B Reddy
42	S. Salma	11	S. Salma
43	A. Poojitha	11	A. Poojitha

FIELD TRIP REPORT

Brief and detail explanation of the manufacture of plastic production.

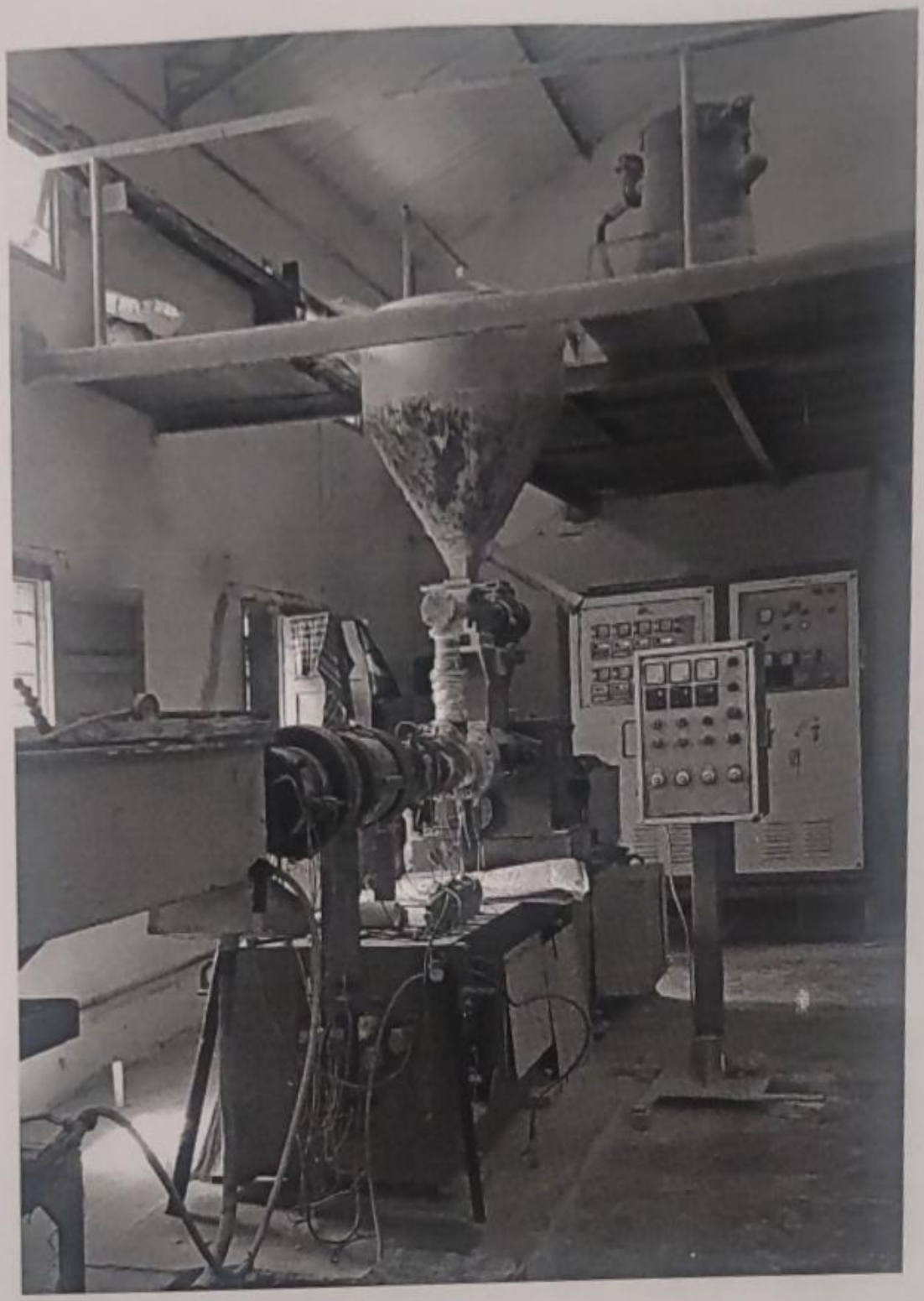
Plastics can be processed with the following methods: machining, compression molding, transfer molding, injection molding, extrusion, rotational molding, blow molding, thermoforming, casting, forging, and foam molding.

Plastic extrusion. **Plastics extrusion** is a high-volume manufacturing process in which raw plastic is melted and

forced, that is, injected, into a mold in the shape of the desired final object

Rotational moulding. Rotational moulding, also known as rotomoulding, is a plastics moulding technology which is ideal for making hollow articles. It is a casting technic but unlike most other plastics processes there is no pressure involved. Moulds for the process are relatively inexpensive as they do not have to withstand pressure and therefore relatively short production runs can be made very economically.

Vacuum casting. **Vacuum casting**, sometimes referred to as Urethane casting or Polyurethane casting uses silicone moulds to make plastic and rubber components under vacuum.

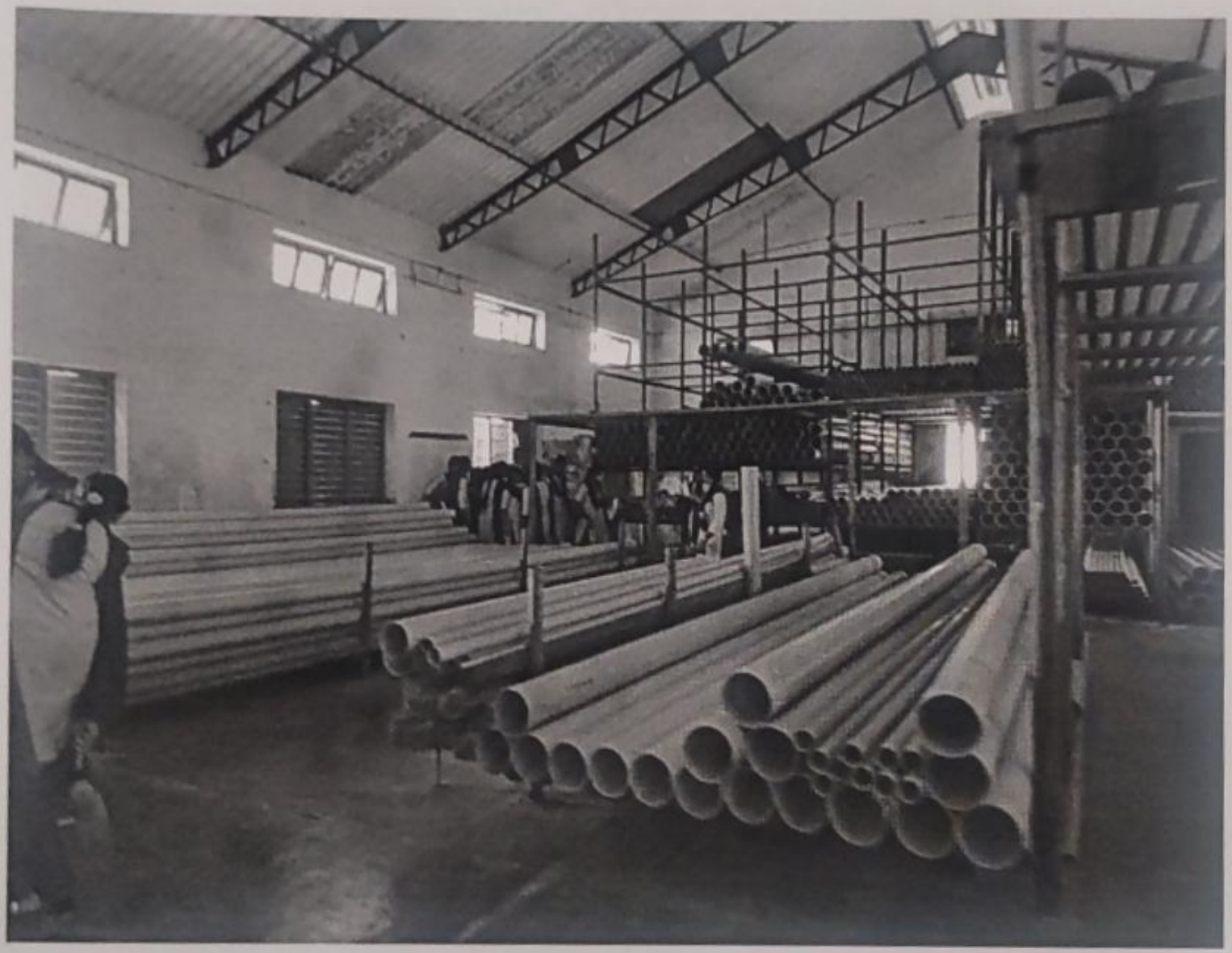


Thermoforming & Vacuum forming. The process starts by placing a two piece silicone mold in a vacuum chamber. The raw material is mixed, degassed and then poured into the mold. The vacuum is then released and the mold removed from the chamber. Finally, the casting is cured in an oven and the mold removed to release the completed casting.

Compression moulding. **Compression molding** is a method of molding in which the molding material, generally preheated, is first placed in an open, heated mold cavity.

There is very good explanation for the manufacture of plastic production by the persons working in Ratna plastic.

Manufacturing of pipes



Featured snippet from the web

Pipes are first and foremost produced through an extrusion process. The raw material is feeded into the extruder via a hopper and a gravimetric or volumetric control system. Inside the extruder barrel the material is heated up to the melting point around 200°C by electricity and the friction in the screw system

This very good information for us through this field trip.

I B.Sc.

CBZ