

## PLASTIC BOTTLES (PET)

### INTRODUCTION

The packaging of hand Sanitizer in PET blow molded bottles is preferred because of the high clarity, good impact and availability in assorted shapes and color tints to provide sales appeal. Major reputed producers of hand Sanitizer have standardized the marketing of their products in PET blow molded bottles.

The basic variance in shape is the circular and oval type. The popular marketing sizes and related bottle weight for oval bottle range from:

Sr. No.	Particulars	Particulars
1	50 ml – 10 gms	200 ml – 25 gms
2	100 ml – 17 gms	250 ml – 39 gms
3	125 ml – 18 gms	300 ml – 42 gms
5	500 ml -60 gms	1000 ml-90 gms

The circular bottle will have a 10 to 15% lower weight for above capacity sizes.

### 1.PRODUCTS AND ITS APPLICATION

Most of the Hand Sanitizer producing companies prefers PET bottles because of its convenience both for the consumers and producers. It is easy to handle and less weight compared to glass/tin bottles. While marketing it is advantageous to have very distinct shapes and colours. Additional products hand sanitizer which can be packed in PET bottles and containers would be oils, deodorants, talcum powder, creams, hair tonic, containers, skin lotions etc.

## **2. Market Potential**

The demand and consumption of hand sanitizer and hand hygiene products are increased tremendously due to Global pandemic of COVID 19 globally. It becomes very essential products for safety of the people in the country. Hence, the necessity mass production is increased and demand as well of its market which is linked with the COVID 19 cases growth in the country / global pandemic. The future growth is depend on severity of disease all market is expected to grow at the rate of around Twenty Times due to the increase in COVID 19. New entrants and local brands now dominate India's sanitiser market that swelled more than fourfold after the novel coronavirus outbreak. The size of the category touched Rs 43 crore in March from Rs 10 crore a year ago, according to Nielsen India, as the highly contagious pathogen spread rapidly despite the world's strictest lockdown. A total of 152 new manufacturers started making sanitisers in india. According to a contract manufacturer of sanitisers, companies need a drug manufacturing licence if their product claims that it kills 99.9 percent of the germs, else they can produce under a cosmetic licence. The market is currently witnessing supply of bigger stock keeping units — a distinct type of item for sale.

### **3. DESIRED QUALIFICATION FOR PROMOTER**

The Promoter should have preferably a basic degree in plastic engineering/ processing or a degree/ diploma in engineering / or a degree in chemistry. Experience of at least two to three years in plastic industry is desirable.

### **4. Industry Outlook/Trend**

Plastic and Polymer industries in India is growing at about 5% per annum. There are mainly two types of polymers such as commodity plastics and engineering plastics. The products in commodity plastics are well developed and growing at lesser space than engineering plastics. The trend in consuming industries is to have more sophisticated and attractive packaging. Therefore the demand for well-designed and printed bottles are ever increasing. Moreover glass packing material is being replaced by plastic due to ease of production, reduced cost, printability and impact resistance.

The demand for PET blow molded items is increasing, on everyday basis. Lot of consumer products are packed in PETmolded items. Hence, market potential is not a hurdle for any new entrepreneurs as the personal care sector is growing rapidly. The simplest shape to blow is a sphere and this is the most economical in terms of surface area to content in a given volume. Other shape preferred is oval. The consuming sector such as hand sanitizers , shampoo and other personal care products are growing at the rate of 14% per annum.

### **5. RAW MATERIAL REQUIREMENTS**

The major raw material is blow moulding grade PET. This is available from Reliance Industries Ltd. Haldia Petrochemicals , GAIL etc.

## **6.MANUFACTURING PROCESS**

There are two types: (1) Blow moulding process and (2) Extrusion blow moulding & injection blow moulding.

The extrusion blow moulding process begins with plastication, which involves production by extrusion of a "PARISON". The mould seals off the top end of the parison. A blowing pin is inserted from the bottom and compressed air is blown through it. This parison thus takes the shape of the mould cavity.

The following properties of end product must be ensured during manufacturing:

- Uniform wall thickness of the container
- Weight of different articles produced in a production run should be consistent
- Uniform color dispensation throughout the article
- Specified dimensional accuracy.

Factors that would be important in replacing conventional packaging materials with PET Hand Sanitizer , shampoo bottles , hair oils are as follows:

- Economics
- Clarity/Appearance factors
- Functional Container Performance
- Top Load
- Vacuum Resistance
- Impact Strength
- Flexibility
- Availability of Raw Materials

Run Lengths by Size and Filling Locations

## 7.MANPOWER REQUIREMENT

Sr. No.	Particulars	Number s	Salary Per Month
1	Production Engineer/Manager	1	20,000
2	Sales Executive	2	20,000
3	Accountant	1	10,000
4	Store Keeper-cum-Clerk	1	8,000
5	Watchman	1	5,000
6	Supervisor	2	16,000
7	Technicians	2	24,000
8	Workmen	15	75,000
	<b>Total</b>	<b>25</b>	<b>1,78,000</b>

## 8.IMPLEMENTATION SCHEDULE

Sr. No.	Particulars	Time
1	The Time requirement for preparation of Project report	Two months
2	Time requirement for selection of Site	One month
3	Time required for registration as Small Scale Unit	One Week
4	Time required for acquiring the loan Machinery procurement, erection and commissioning	Three months
5	Recruitment of laborer etc.	One month
6	Trial runs	One month

## 9.COST OF PROJECT

Sr. No.	Particulars	Rs in lakhs
1	Land and Building	35.00
2	Plant and Machinery (Injection Moulding / Blow Moulding Machine with Cooling Tower	16.85
3	Miscellaneous Assets	18.00
4	P & P Expenses	15.00
5	Contingencies @ 10% on land and building and plant and machinery	30.60
6	Working capital margin	34.68
	<b>Total</b>	<b>150.13</b>

## 10.MEANS OF FINANCE

### Means Of Finance

Sr. No	Particulars	Rs. In lakhs
1	promoters contribution	37.5325
2	Bank Finance	112.5975
	Total	150.13

## 11.WORKING CAPITAL CALCULATION

Sr. No.	Particulars	Monthly Consumptions	Total value	Promoter's margin	Margin amount	Bank finance
1	Staff and labour	1	21.36	100%	21.36	0
2	Raw materials	8.17	4.90	60%	2.94	1.96
3	Utilities	0.5	3.24	25%	0.81	2.43
4	other expenses	1	1.32	50%	0.66	0.66
	Total		30.82		25.77	5.05

## 12.LIST OF MACHINERY REQUIREDAND THEIR MANUFACTURERS

Blow moulding machines for PET shampoo bottles are available from Thailand, Vietnam, India and China. The proposed capacity of the plant would be 140 tonnes per annum.

Sr. No.	Particulars	Nos.	Rs in lakhs
1	Hand operated station injection blow moulding machine-120gms-1.25 liters	1	6.00
2	Hand operated station injection moulding machine-180gms-250 liters.	1	8.00
3	Compressor 1 HP capacity	1	0.10
4	Mould& Dies	6	2.40
5	Electrification and erection		0.15
	Total		16.65

### 13.PROFITABILITY CALCULATIONS

<b>Particulars</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>	<b>Year 5</b>
<b>(A)</b> Sales Realization	11637500	13300000	14962500	14962500	14962500
<b>(B)</b> Cost of Production					
Raw materials	5880000	6720000	7560000	7560000	7560000
Utilities	226800	259200	291600	291600	291600
Salaries	1569960	1783560	1997160	1997160	1997160
Stores and Spares	882000	1008000	1134000	1134000	1134000
Repairs and maintenance	504000	576000	648000	648000	648000
Selling expenses @20%	504000	576000	648000	648000	648000
Administrative Expenses (other expenses)	92400	105600	118800	118800	118800
<b>Total</b>	9659160	11028360	12397560	12397560	12397560
<b>(C)</b> Profit before interest & depreciation	1978340	2271640	2564940	2564940	2564940
depreciation	249750	249750	249750	249750	249750

Particulars	Year 1	Year 2	Year 3	Year 4	Year 5
Profit Before term loan and tax	1728590	2021890	2315190	2315190	2315190
Interest on term loan (11%)	1194337	1061633	884694	707755	530816
Profit before tax	534253	960257	1430496	1607435	1784374
Tax (30%)	160275.9	288077.1	429148.8	482230.5	535312.2
Total Profit	<b>373977.1</b>	<b>672179.9</b>	<b>1001347</b>	<b>1125204.5</b>	<b>1249061.8</b>

## 14. BREAKEVEN ANALYSIS

Sr. No.	Fixed Cost (FC):	Rs. In lakhs
1	Wages & Salaries	15.69
2	Repairs & Maintenance	0.50
3	Depreciation	2.49
4	Admin. & General expenses	0.92
5	Interest on Term Loan	11.94
	Total	<b>31.40</b>

Fixed Cost: 31.40

Profit Before Tax:

5.34

**BEP = FC x 100/FC+P**

31.40/36.74 x 70/100 x 100

**59.82**

## 15. STATUTORY/ GOVERNMENT APPROVALS

There is no specific statutory requirement for plastic processing industry. However MSME & GST registration, IEC Code for Export of end products and local authority clearance may be required for Shops and Establishment, for Fire and Safety requirement and registration for ESI, PF and Labour laws may be required if applicable. Entrepreneur may contact State Pollution Control Board where ever it is applicable.



## **16.BACKWARD AND FORWARD INTEGRATION**

There is no possibility of backward linkages in this case. However as forward linkages promoter may think of going for higher volume capacity bottles, printing on bottles and also use of other polymers like HDPE and PP.

## **17.TRAINING CENTERS/COURSES**

For plastic processing industry training and short term courses may be availed from the Central Institute of Plastic Engineering and Technology (CIPET), Guindy, Tamil Nadu and its regional centers. More over training and guidance are also provided by polymer manufacturers such as Reliance Industries Limited. Udyamimitra portal ( link : [www.udyamimitra.in](http://www.udyamimitra.in) ) can also be accessed for handholding services viz. application filling / project report preparation, EDP, financial Training, Skill Development, mentoring etc.

## **MACHINERY & EQUIPMENT SUPPLIERS**

### **1) A-ONE ENGINEERING**

71/2 Phase – 1, GIDC Vatva, Ahmedabad-382 445

Phone : 079-25834843 Fax: 079-25834843

E-mail : [aoneengineering@rediffmail.com](mailto:aoneengineering@rediffmail.com)

Web: [www.aoneengineering.com](http://www.aoneengineering.com)

Products/Services : Plastic Processing machinery (Bag making machine)

### **2) A ONE INTERNATIONAL**

11, Amar Estate, Anil Starch Road,

Opp: Super Bread Factory,

Naroda Road, Ahmedabad-380 025.

Phone: 079-22201482/22201861 Fax: +91-79-22203684

E-mail: [aonead1@sancharnet.in](mailto:aonead1@sancharnet.in) Web: <http://www.newyesh.com>

Products/Services: HDPE/PP Woven Sack Machinery:

- 1) High speed 4,6 &8 shuttle circular looms
- 2) High speed magnetic type cheese winders
- 3) Flexographic printing machines
- 4) Bale Press Machines
- 5) Sutli Plant
- 6) Sutli Monofilament box strapping & all types of winders
- 7) Spares for all the above

**3) AMBICA PLASTIC MACHINERY MANUFACTURERS**

1-2, Kansawala Estate, Opp: Chakudia Mahadev,  
Rakhial, Ahmedabad-23. (Guj.) INDIA  
Phone: (O) +91-79-2274 5089, 6512 6275 Fax: +91-79-2278 2613  
Cell: 098251 57891, 092274 48246  
E-mail: info@ambicaplastic.com/ambica\_kalpesh@hotmail.com  
Web: www.ambicaplastic.com  
Products/Services : Reprocessing/H.D.P.E. Monofilament/P.P. Tap Plants  
Sutli Plant with "T" Die  
HDPE/P.V.C. Pipe Plant  
Tubing Plant  
Ancillary Equipments  
PP/HDPE Rope Machinery  
Box Strapping Plant  
Jerry Can Plant

**4) CENTRAL MACHINERY & PLASTIC PRODUCTS**

1, Lajya Estate, Mogra Road, Andheri East, Mumbai-400 069.  
Phone : +91-22-28366198 Fax: +91-22-28375271  
E-mail: cmp@bom3.vsnl.net.in Web : www.cmppin.com  
Products/Services : Manufacturers of fully automatic blow moulding  
Machines for processing of PVC, HDPE, LDPE, PP materials from 5 ml. to  
60 ltrs.

**5) DYNAMIC ENGINEERS (INDIA)**

B-54, Hari Nagar (Clock Tower),  
New Delhi-110 064.  
Phone: 011-25496293/25126188  
E-mail: dynamicengineers@trade-india.com  
Products/Services: Cooling Tower, Heat Exchanger, Indl. Chiller,  
Mould Temp. Controller

**6) FERROMATIC MILACRON INDIA LTD.**

92 Phase - I GIDC, Vatva, Ahmedabad-382 445  
Phone: 079-25890081 Fax: 079-25830125  
E-mail: sales@fmi-ahd.com Web: www.milacronindia.com  
Products/Services : Mfg. of plastics injection moulding machines from the  
Range of 30 tons to 3000 tons and extrusion blow moulding machines.

**7) FIVE STAR ENGINEERS**

Bhagwati Estate, Opp: Bavri Kumbharwada, Idgah Road, Pratapnagar,  
Baroda-390 004.  
Phone : (F) 0265-2581698 Telefax : 2580026 (R) 0265-2564896  
(M) 098980 87865 E-mail: fivestarengineer@hotmail.com  
Web : www.fivestarengineers.com  
Products/Services : Double Die Extruder, Single Die Extruder

**8) FIXOPAN MACHINES PVT. LTD.**

71, Nehru Place, New Delhi-110 019

Phone: 0129-2237212/5067210-12 Fax: 0129-2237672

E-mail: roto@fixopan.net/sales @fixopan.net

Web: www.fixopan.net

Products/Services : Manufacturers of Rotomoulding machines, Pulverisers, Molds in cast aluminium/SS/MS, finished roto parts/planter.

**9) GUJARAT MACHINERY**

Plot No. 524, GIDC Phase II, Vatva, Ahmedabad-382 445.

Phone: +91-79 25830043 Fax : 079 25332439

E-mail : intek@icenet Web: www.gujaratmachinery.com

Products/Services : Plastic machinery viz: Wide Width Lamination Plants.

**10) JAGMOHAN INDUSTRIES**

115 Sharad Industrial Estate, Lake Road, Bhandup (West), Mumbai-400 078.

Phone : 25950246 Fax: 25965434

E-mail: jagmohan@vsnl.com Web: www.jagmohan.com

Products/Services : Plastic Automatic Blow Moulding Machine from 100 MI to 1000 Ltrs.

**11) JAI MATA ENGINEERING**

No. 734, Rajagopalanagar, B/h Maruti Theatre,

Peenya 2<sup>nd</sup> Stage, Bangalore-560 058.

Phone: 080-6763 4323 Cell. : 093437 33300, 098862 14330

Products/Services : Single Decker Cutting & Sealing Machine, Double Decker Cutting & Sealing Machine, Point to Point Cutting & Sealing Machine, Pouch Making Machine for Carry Bags, Slide Sealing Machine, Polyethylene/PP/HM/LLDPE Extruders, reprocessing Units, Automatic Roll Winding Nes, Scrap Grinders, Colour Mixer/Driers Card Making (sutli) Machine, Rotogravure Printing Machine, Automatic Liquid - Fill & Seal Machine, Automatic Form - Fill & Seal Machine, Thermoforming Machine, Seat Plant & Die.

**12) KABRA EXTRUSIONTECHNIK LTD.**

Kolssite House, Veera Desai Road, Andheri (West), Numbai-400 053.

Phone : 26734822/24 Fax : 267335041

E-mail: sales@kolsitegroup.com Web : www.kolsite.com

Products/Services : Twin screw extruders for RPVC pipes/profiles/pellets high output single screw extruders for PO pipes raffia tape plants & cheese winders monolayer & multilayer film plants.

- 13) KONARK PLASTOMECH PVT. LTD.**  
Plot No. 81, GIDC, Odhav, Ambica Nagar Road, Ahmedabad-382 415.  
Phone : 079-22281670 Fax : +91-79-22890874  
E-mail : sales@konarkplasticmachinery.com  
Web : www.konarkplastomech.com  
Products/Services : Mfrs. Thermoplastic extrusion plants.
- 14) LARSEN & TOUBRO Ltd.**  
LTM Business Unit, Mount-Poonamallee Road,  
Post Bag No. 990, Chennai-600 089.  
Phone: 22497360 Fax: 044-22492471  
E-mail : vpb@ltmindia.com Web: www.ltmindia.com  
Products/Services : Injection Moulding Machines, Auxiliary Equipment
- 15) LOHIA STARLINGER LIMITED**  
D-3/A, Panki Industrial Estate, Kanpur-208 022.  
Phone : +91-5112-282001 Fax : +91-5112-282205  
E-mail: sales@lohiagroup.com  
Web : www.lohiagroup.com  
Products/Services : Complete range of Machinery for manufacture of PP and HDPE Woven sacks and Fabrics comprising of – Tape Extrusion Lines – High Speed Inverter controlled Tape Winders – Circular Weaving Machines – Fabric to Bag Conversions Machines – Compact PP Multifilament Spinning Machine.
- 16) MACPLAST**  
49, Shreenathji Estate, Nr. Panna Estate, B/h B.O.C. Gases,  
Rakhial, Ahmedabad-380 021 (Guj.) INDIA  
Phone : (F) 079-22746802  
E-mail : macplastbp@hotmail.com/macplastbp@rediff.com  
Products/Services : Multi Layer Film Plant, Two Layer PPTQ Blown Film Plant, Twin Head Mono Layer Blown Film Plant, Sutli Plants, Box Strapping Plants, LDPE Kisna Pipe Plants, HDPE Pipe Plants, Reprocess Plants, Woven Sacks Tape Plant.
- 17) MAMATA BRAMPTON ENGINEERING PVT. LTD.**  
5/1/1A/1, GIDC, Phase-1, Vatva, Ahmedabad-382 445.  
Phone: 079-55309800 Fax : 079-25832026  
E-mail: info@mamata.com  
Products/Services : Multilayer co-ex blown film plant
- 18) MAMATA MACHINERY PVT. LTD.**  
5/1/1A, GIDC Estate, Phase-1, Vatva, Ahmedabad-382 445.  
Phone: 079-55309800 Fax : 079-25832026  
E-mail: info@mamata.com Web : www.mamata.com  
Products/Services : Plastic Bag & Pouch making machine, Packaging machines.

**19) NEOPLAST ENGINEERING PVT. LTD.**

43, GIDC Estate, Phase-1, Vatva, Ahmedabad-382 445.

Phone : +91-79-25831185 Fax : +91-79-25835298

E-mail : info@neoplastindia.com Web : www.neoplasstindia.com

Products/Services : Complete compounding plant with automation, High speed heater cooler mixers, Single screw extruders, Super conical twin screw extruders, Down stream equipments for R PVC pipe, profile, pelletizing application, Under water pelletizing system, Air cooled die face pelletizing system, Material handling system, Liquid metering/Dosing system, Anti-dusting/de-gassing system, Laboratory scale equipments like - lab mixer, single screw extruder with various attachments, two roll mill, hydraulic press.

**20) PANCHAL PLASTIC MACHINERY P. LTD.**

Plot No. 127, GIDC, Umbergaon, Dist. Valsad-396 171

Phone : 0260-2563391/92 Fax : 0260-2562892

E-mail: panchal@panchal-plastic.com Web: www.panchal-plastic.com

Products/Services : Agglomerator/Densifier machine – extruder (Single Screw & Twin Screw) – Blown Film Plant – Box strapping plant, Flat Film & Sheet – Pipe & Profiles – Grinder/shredders/Crushers – Compounding Plant – Re-processing/recycling Plant – Hot die-face cutting under air & water cooling – in-line recycling plant for film waste & lumps waste – Mixer (type-high speed, tumbler, vertical) – strand pelletizer - Screen changer (Hydraulic & manual) – Grinding, washing & drying plant for PET bottle, film waste & moulded article, PET-recycling plant-bags/sacks cutting & sealing machine.

**21) R.R. PLAST EXTRUSIONS PVT. LTD.**

B-3, Nand Jyot Ind. Estate, Safed Pool, Sakinaka, Andheri-Kurla Road, Andheri (E), Mumbai-400 072.

Phone : +91-22-2852 0396/2850 5208 Telefax : 2850 9603

Cell : 9967023161 E-mail : rrengg@vsnl.net/mkt@rrengg.com

Web : www.rrengg.com

Products/Services : RR's Drip Irrigation Pipe Plant with Auto Coiler

**22) RAJOO ENGINEERS LIMITED**

Survey No.210, Plot No.1, Industrial Area

Veraval Shapar, Rajkot-360 002.

Phone : 0091-2827-252701/2 Fax : 0091-2827-252700

E-mail : rel@rajoo.com Web. www.rajoo.com

Products/Services : FOILEX: Monolayer Blown Film Lines for PE/PP/PVC. MULTIFOIL: Multilayer Upward Extrusion Blown Film Lines. AQUAFLEX : Multilayer Downward Extrusion Blown Film Lines. LAMINA: Mono & Multilayer Sheet Lines for PS/PP/PET/LDPE. DISPOCON: Thermoformers for PS/PP/PET. TWINEX : Single and Twin Screw Lines for pipes and profiles. HDPE permanently lubricated duct plant for optical fibres including nylon rope insertion.

**23) RANA & SONS**

Plot No. 128-A, Govt. Ind. Estate, Charkop Kandivali West,  
Mumbai-400 067.

Phone : 28683897/4181 Fax: +91-22-28682244

E-mail: ranasons@vsnl.com/arun@bom7.vsnl.net.in

Web: www.ranasons.com

Products/Services : Blow Moulding Machine, Injection Moulding Machines, PET Stretch Blow Moulding Machines.

**24) REMICA PLASTIC MACHINERY MANUFACTURERS**

2/AB Sardar Patel Ind. Estate, Near Gujarat Petrol Pump,  
Narol, Ahmedabad-382 405.

Phone : 079-25712741 Fax: 079-25714234

E-mail : remicaad1@sancharnet.in Web. www.remicaplastics.com

Products/Services : Manufacturers of Thermoplastic Extrusion Plants for Tapeline, Circular Looms, Extrusion Lamination Plants.

**25) STAR FLEX INTERNATIONAL**

A-43, Street No. 7, Anand Parbat Industrial area,  
New Rohtak Road, New Delhi-110 005.

Phone : +91-11-2876 5588 Telefax: +91-11-2876 5588

Mobile : 093111 45588, (TATA) 092135 02930

Products/Services : High Class Flexographic/Rotogravure Printing Machine.

**26) SUNRISE PLASTIC MACHINERY MANUFACTURER**

B/21-22, Ambica Estate, Ambikanagar, Nr. Hanuman Temple,  
Odhav, Ahmedabad-382 415 (Guj.) INDIA.

Phone : (O) 079-65137486

Cell : 098253 58581, 098256 15776, 098793 01422

E-mail : joshi\_sunriseplasticmachinery@yahoo.co.in

Web : www.sunriseplastic.tradeindia.com

Products/Services : 'T' Die Sutli Plant, PP/HDPE Mono Filament Plant, PP/HDPE Box Strapping Plant, PP TQ Blown Film Plant, HM/LD/LLDPE Mono Layer, Blown Film Plant, Multilayer Blown Film Plant, Lamination Plant, Air Bubble Sheet Plant, PP/HDPE/Rigid PVC Pipe Plant, PP/HDPE Woven Sacks Plant, Reprocess Plant.

**27) TWIST ENGINEERING WORKS**

C/1, 4410, Phase-4, G.I.D.C. Estate, B/h Indo-German Tool Room, Vatva, Ahmedabad-382 445

(Guj.) INDIA

Phone : (O) 079-25842878, 30913587 Fax: 079-25840429

E-mail : twist@sancharnet.in, twist24@rediffmail.com

Web: www.twistplasticmachinery.com

Products/Services : Extrusion Plants for – Rigid PVC, HDPE, HM/HDPE, LLDPE, LDPE and PP Blown Film Plant, Above Plants with Rotating Extruder/Rotating Die, Pipe, Casing Caping, Section & sleeve Plants for PVC/HDPE PP & PP-R, PVC Braided & Suction Hose Multilayer Co-Extrusion Film Plants, Plastic Sheet Plant with Teedie & Steel Polishing Stack, PVC Wire/Cable Plant & Spool Drum/Winder, PVC Compounding Plant with Die-Face Cutter & Reprocessing Plant, PP/HD Box Strapping Plant, Rafia Tape Plant, Scrap Grinder and Agglomerater, Special Specification Plants on request & Extruders with

'Realloy' Barrel, LD Foam Film Plant, Automatic Pipe Cutter, High Speed Mixers & Heater-Cooler Mixer

## **ANNEXURE - II**

### **RAW MATERIAL SUPPLIERS**

**1. BASF STYRENICS PVT. LTD.**

RBC Mahindra Towers  
5<sup>th</sup> Floor B-Wing, Dr. G.M. Bhonsale Marg  
Worli, Mumbai – 400 018  
Phone: 55618227 Fax: 56604073  
E-mail: [ramanamv@basf-india.co.in](mailto:ramanamv@basf-india.co.in) Web: [www.basf.com](http://www.basf.com)  
Products: ESCR Polystyrene, ABS, SAN, MABS, ASA Blends etc.

**2. BAYER MATERIAL SCIENCE PVT.LTD.**

Building D-527, Kolshet Road, Thane – 400 607  
Phone: 91-22-25311297/285 Fax: 25455069  
E-mail: [plastics@bayerbms.com](mailto:plastics@bayerbms.com) Web: [www.bayermaterialscience.com](http://www.bayermaterialscience.com)  
Products: Polycarbonate (PC) PC Films & PC Sheets, PC Blends

**3. DOW CHEMICAL PACIFIC (SINGAPORE) PTE LTD.**

260 Orchard Road, # 18-01, The Heeren, Singapore – 238855  
Phone: (65) 68353773 Fax: (65) 68340320  
E-mail: [dowcig@dow.com](mailto:dowcig@dow.com) Web: [www.dowplastics.com](http://www.dowplastics.com)  
Products: Polyethylene resins, Polystyrene, Polypropylene, Engineering Thermoplastics, Elastomers and Speciality Products, and Wire & Cable Compounds.

**4. DSM ENGINEERING PLASTICS INDIA (P) LTD.**

"Ashirvad" 110/12 Erandawane  
Lane No. 14 Income Tax Lane, Off Prabhat Road  
PUNE – 411 004  
Phone: 020-25461075/39506264 Fax: 020-25455259  
E-mail: [joydeep.sen-chaudhuri@dsm.com](mailto:joydeep.sen-chaudhuri@dsm.com) Web: [www.dsmep.com](http://www.dsmep.com)  
Products: Stanyl (PA 4,6) Amite (TPE-E), Akulon (PA 6, pa 66), Amite (PBT, PET and blends)

**5. GE PLASTICS INDIA**

8<sup>th</sup> Floor, Gateway Towers, DLF – III, NH – 8  
Gurgaon – 122 002  
Phone: 0124-5018001 Fax: 0124-5018019  
E-mail: [rk.arora@ge.com](mailto:rk.arora@ge.com) Web: [www.geplasticsindia.com](http://www.geplasticsindia.com)  
Products: Polycarbonate – Lexan, PBT – Valox, PPO – Noryl.

**6. GHARDA CHEMICALS LTD.**

Plot No. 3525 – 26 – 27, GIDC Estate, Panoli  
Dist. Bharuch, Gujarat – 394 116  
Phone: 02646 – 272575 /6 Fax: 02646 – 272141  
E-mail: [Polymer@gharda.com](mailto:Polymer@gharda.com) Web: [www.ghardapolymers.com](http://www.ghardapolymers.com)  
Products: Polymers PEEK, PEK, PES, PSS, PPSU, PSU

**7. HALDIA PETROCHEMICALS LTD.**

1, Auckland Place, Kolkata – 700 017  
Phone: 033-22831640/3/5 Fax: 033 – 22831654  
Web: [www.haldiapetrochemicals.com](http://www.haldiapetrochemicals.com)  
Products: LLDPE, HDPE, PP, Benzene, Butadiene, MS Euro III, LGP, PY Gas, Cyclopentane.

**8. INDIAN OIL CORPORATION LIMITED**

Scope Complex, Core-2, 7 Institutional Area  
Lodhi Road, New Delhi – 110 003  
Phone: 011-24360214 Fax: 011 – 24367548  
E-mail: [khuranavk@iocl.co.in](mailto:khuranavk@iocl.co.in) Web: [www.indianoilcorp.com](http://www.indianoilcorp.com)  
Product: PP- 600 KTA, HDPE – 300 KTA, hdpe/lldpe – 350 KTA, MEG – 300 KTA, PTA – 553 KTA.

**9. J.P. POLYMERS PVT. LTD.**

3, Shram Laxmi Industrial Est.  
Opp. Indiana Bakery, Kanchpada, Ramchandra Lane Extn. Road.  
Malad (W), Mumbai – 400 064.  
Phone: 56998881 – 84 Fax: 56998887  
E-mail: [mail@jppolymers.net](mailto:mail@jppolymers.net)  
Products: Polycarbonate (Dupont), Nylon'6, Nylon'66& PBT 9SRF), Acylic-PMMA (Sumitomo), K-Resin (Philips), Transparent ABS (Toray), POM, UHMW-PE, ABS & SAN

**10. RELIANCE INDUSTRIES LTD.**

Maker Chambers-IV, Nariman Point, Mumabi – 400 021  
Phone: 30322100 Fax: 30322199  
E-mail: [tushar\\_roy@ril.com](mailto:tushar_roy@ril.com) Web: [www.ril.com](http://www.ril.com)  
Products: Polymers, Chemicals, Fibers & Intermediates

**11. SUPREME PETROCHEM LTD.**

17/18, Shah Industrial Estate, Veera Desai Road  
Andheri (West), Mumbai – 400 053.  
Phone: 26736196 – 99 Fax: 26736203  
E-mail: [sharad\\_parate@spl.co](mailto:sharad_parate@spl.co). on Web: [www.supremepetrochem.com](http://www.supremepetrochem.com)  
Products: Crystal Polystyrene, Impact Polystyrene, ESP, Modified Polyestylene, Flame Retardant and Antistatic Polystyrene, Color and Additive Masterbatches, Polyolefinic Compounds.



**Disclaimer:**

Only few machine manufacturers are mentioned in the profile, although many machine manufacturers are available in the market. The addresses given for machinery manufacturers have been taken from reliable sources, to the best of knowledge and contacts. However, no responsibility is admitted, in case any inadvertent error or incorrectness is noticed therein. Further the same have been given by way of information only and do not carry any recommendation. it is a Model Project so please be confirm the PET Polymer , Machinery rates from prevailing market rates because it is variable.