

PARMAR BROTHERS

An ISO 9001:2015 Certified Company



OUR EXPERTISE

***Design, Fabrication & Manufacturing of:
Chemical & Pharmaceutical Process Equipment:***

Viz. Pressure Vessels, Reactors, Autoclaves, Agitators / Mixers, Heat-Exchangers, Packed / Tray Columns, Storage Tanks, etc in Stainless Steel, Carbon Steel, Special/ Exotic Alloys.

We also undertake Turnkey Projects of various processes, utilities. We have teams for: Plant Erection, Commissioning & Maintenance in Chemical, Pharmaceutical Industries, Oil & Gas, Oleo Chemicals & allied industries.

OUR SISTER CONCERNS

JIGS ENTERPRISE PVT LTD / JIGS INDUSTRIAL SERVICES

Experts in: Sea Worthy Export Plastic & Wooden Packaging, Pickling & Passivation of Steel, FRP Equipment & Lining

Plot No. 6, Safed Pool, Andheri-Kurla Road, Kurla (W), Mumbai - 400 072.

Tel: (+9122) 2851 3540, 2851 57 14

E-mail: jignesh@parmarbrothers.com & info@parmarbrothers.com

Website: www.parmarbrothers.com



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1	Photographs Of Our Recently Manufactured Equipment
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ANNEXURE – I **INTRODUCTION TO 'PARMAR BROTHERS'**

We herewith take pleasure to introduce ourselves as a competent Process Equipment Designers, Manufacturers and Fabricators (In the field of Oil & Gas Petrochemicals, Oleo Chemicals, Pharmaceutical, Chemicals, Cement and Allied Industries).

We, in this business field are Standing Tall since **45 years**. PARMAR BROTHERS was established as a Structural Fabrication unit by our mentor, Late Shri Laljibhai R. Parmar. The diversification in the Process Equipment Fabrication Field is thanks to the efforts of Late Shri Mukesh L. Parmar. Today we are in these full fledged business activities of Process Equipments. **We would take this opportunity to get privileged by applying for Vendor Registration to you.**

We call upon you to enquire for Design, Manufacturing and Supply of Process Equipment such as:

- **Autoclaves, Reactors, Agitators/Mixers,**
- **Shell & Tube Heat Exchangers,**
- **Packed/Tray Columns for Refineries (Petrochemicals & Oleo Chemicals (Distillation, Fractionation, Rectification, etc.),**
- **Skid Mounted Units (Pilot Plants, Plant Utility units viz. Air Drying Plants, Distilled Water Units, Effluent Treatment-Sewage Treatment units, etc.),**
- **Material Handling Equipment (Screw/Chain-Conveyors, Bucket Elevators, belt conveyors, etc.),**
- **Storage/Mobile Tanks (with/without CCOE approval),**

We have expertise in handling metal/ alloys such as Stainless Steels of all Fabrication Grades, Special Ferrous & Non Ferrous alloys, Carbon Steels and FRP. Almost all the TPI inspection agencies such as Lloyd's (LRA), BV, DNV, SGS, Intertek, Bax Counsel, etc. regularly visits our workshop for various inspections.

Our some of the major clients and end users are: GMM Pfaulder, Lupin, Cipla, Fairchem Organics, Chemcrux, De Smet-Ballestra Group, Japro Group, , etc.

- ❖ **OUR AVG. SALES TURNOVER OF PAST HAS BEEN Rs.10.50Crores**
- ❖ **IT WILL BE OUR HONOUR TO GET LISTED IN YOUR VENDOR LIST.**

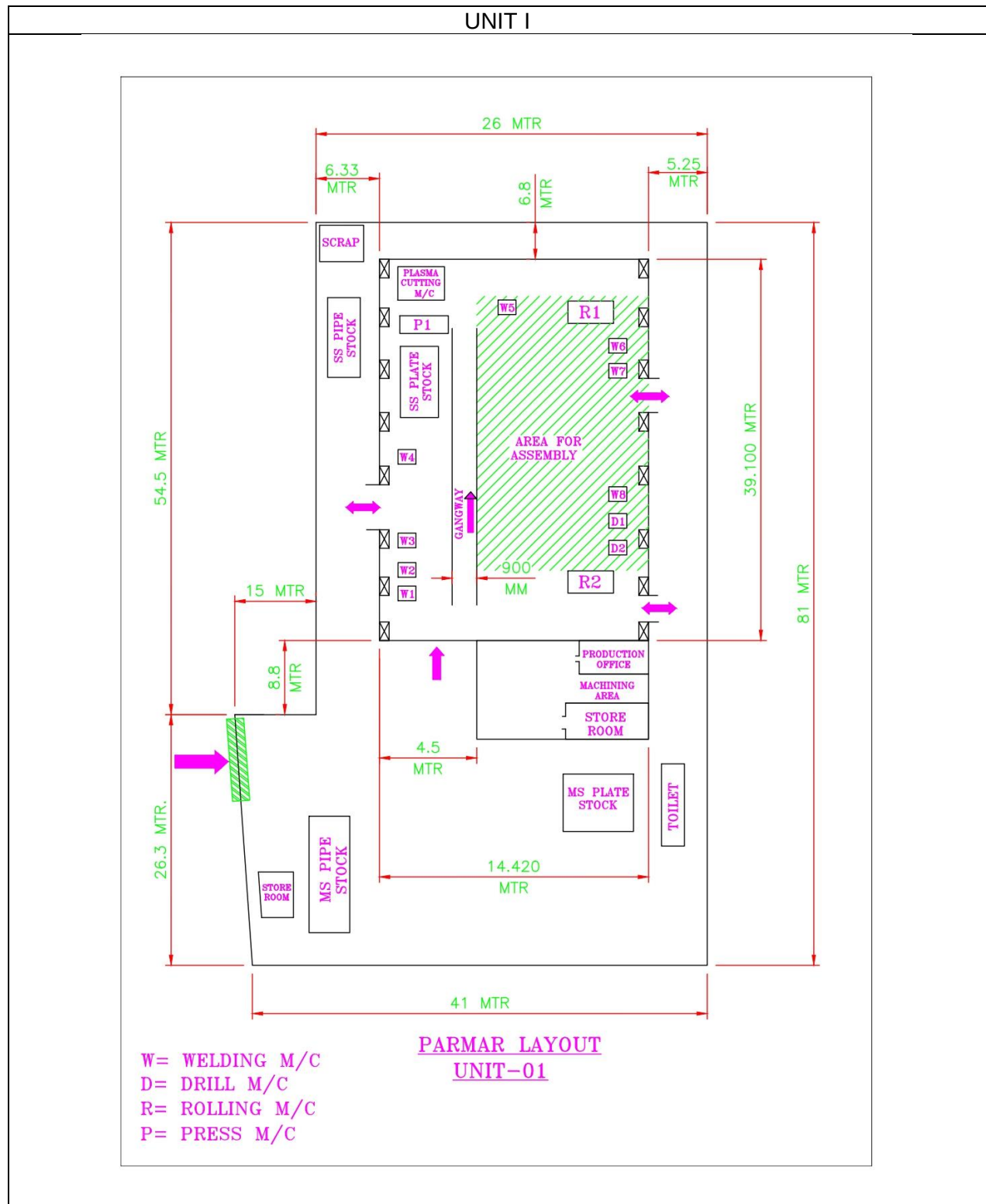


ANNEXURE – II DETAILS OF WORKSHOP SET UP

Sr. No.	Description	UNIT – I	UNIT – II
1.	Name and Address of the Company	PARMAR BROTHERS Plot No. 6, Safed Pool, Andheri - Kurla Road, Kurla (West), Mumbai-400 072.	PARMAR BROTHERS Plot No. B-90, Additional MIDC, Anand Nagar, Ambarnath(East), Dist Thane, PIN-421506.
2.	Type of Organisation	PARTNERSHIP UNIT.	
3.	Location	1Km. from International Airport, 1Km. from Sakinaka Junction, 6Km. from Andheri Station and 5Km. from Kurla Station.	50Km. from International Airport, 2Km. from Ambarnath Station
4.	Power Available	130HP	100HP
5.	Design and Drawing	We have our associated Consultants for preparing designs and fabrication drawings as per customer's requirements on CAD and SIEMENS' SOLID EDGE Designing Software. We have various range of Indian and International Codes applicable in fabrication of various CHEMICAL PROCESS EQUIPMENTS.	
6.	Workshop	<u>TOTAL PLOT AREA – 2042M²</u> <u>FABRICATION SHED:</u> <u>BAY 1</u> – 15 Mtr X 40 Mtr X 6 Mtr Clear Working Height, it is equipped with 1No. of 20MT & 1No. of 15MT capacity E.O.T. Cranes with clear lifting of 6Mtr. AREA - 600 Sq. Mtr. <u>OPEN BAY</u> - 200' X 150' with 5 MT. hand operated MONORAIL CRANE with clear lifting of 4.5Mtr. <u>ADM & ENGG. OFFICE</u> - 50' X 26' on 1st floor. <u>DARK ROOM</u> – on 2nd floor. <u>STORES</u> - on ground floor & 2nd floor.	<u>TOTAL PLOT AREA – 2125M²</u> <u>FABRICATION SHED:</u> <u>BAY 1</u> – 15 Mtr X 35 Mtr <u>BAY 2</u> – 15 Mtr X 35 Mtr <u>BAY 3</u> – 6 Mtr X 25 Mtr WORKSHOP is equipped with 1No. of 20MT EOT in BAY 1, 1No. of 10MT EOT in BAY 2, 1No. of 7.5MT Hoist in BAY 2 & clear lifting of 10Mtr. <u>OPEN BAY</u> - 160' X 30' <u>ADM & ENGG. OFFICE</u> is in BAY 2 <u>STORES</u> - on ground floor behind BAY 1

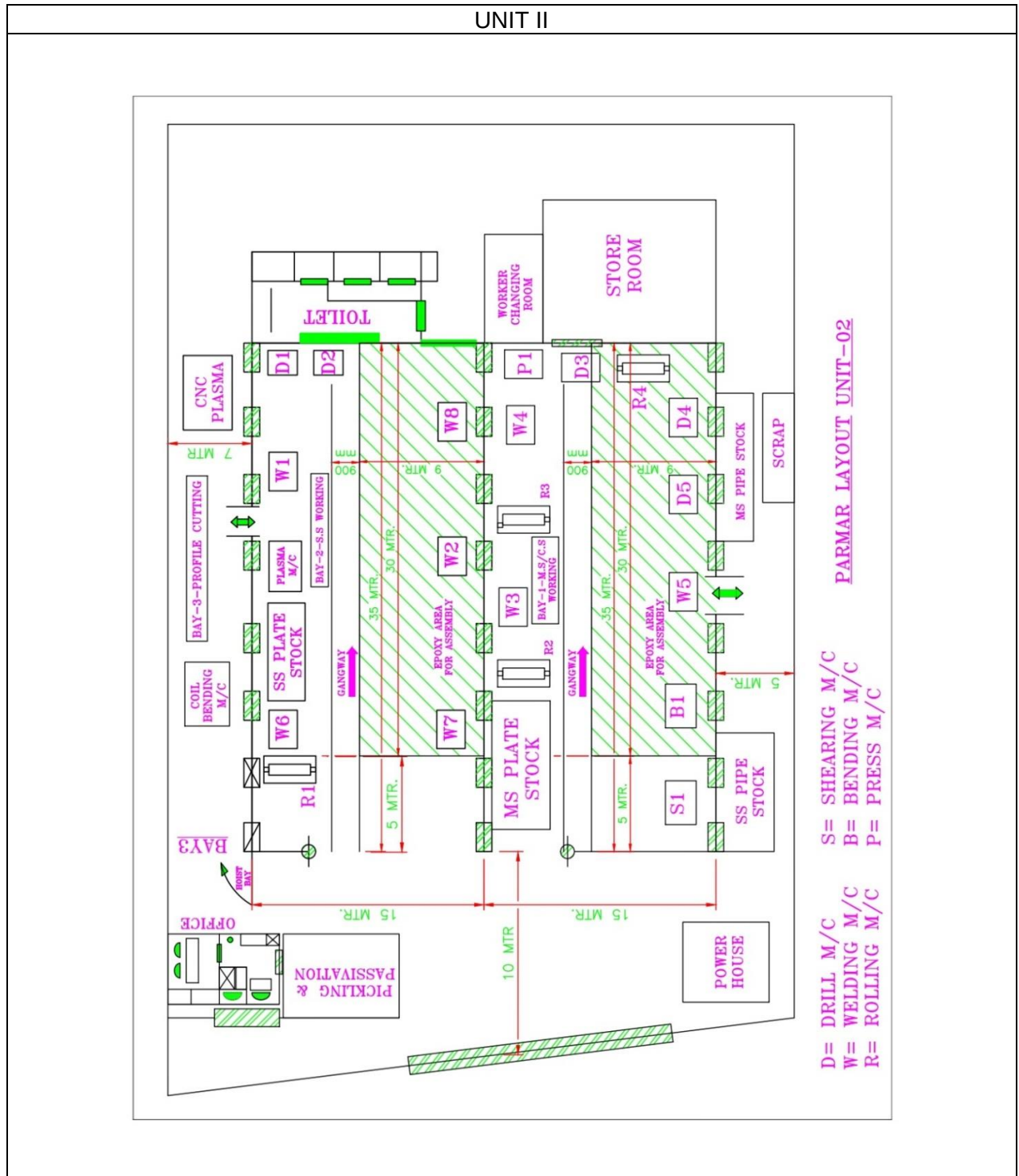


ANNEXURE – III DETAILS OF WORKSHOP LAYOUT





ANNEXURE – III DETAILS OF WORKSHOP LAYOUT



Plot No. 6, Safed Pool, Andheri-Kurla Road, Kurla (W), Mumbai - 400 072.

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ANNEXURE – IV LIST OF RECENT MAJOR WORK DONE

Sr.	Description	Client/ TPI	Major MOC
1	Reactors with Agitators for (18set of Equipment) with Inside Mirror Finish & Outside 180Grit Matt Finish, Supply Year 2021,	GMM Pfaudler	SA 240 TP 316/316L
2	Reactors with Agitators for Biodiesel Plant (11set of Equipment), inside Mirror Finish, Supply Year 2020	FAIRCHEM	SA 240 TP 304
3	Vitamin Mixing Tank (6Nos.), with Heaters, Electric Panel, Skid, Inside 240Grit Mirror Finish & Outside 180Grit Matt Finish, Supply Year, 2018 till 2021	ADANI WILMAR LTD.	SA 240 TP 316
4	Turnkey Project for Fractionation Plant (15set of Equipment) 2007 & New Expansion in 2019	FAIRCHEM	SA 240 TP 316L
5	i) Splitting Autoclave Columns having 1500mm.dia Qty.: 2Nos, 40mts. height, 42mm. shell thk, 100% Radiography welding. (5Nos. Since 2017-2020) ii) Splitting Autoclave Columns having 833mm.dia; 21.5mtr. height, 16mm.shell thk, full Limpet coil from outside of 40NB, 100% Radiography welding (15Nos. Since 2010-2020). <i>Also Exported to Malaysia & Brazil.</i> iii) Equipment for Fatty Acids Distillation. iv) Equipment for Bio Diesel Plant Tubes SA 213 TP 316L & Shell: SA 240 TP 304	JAPRO/ LLOYDS – LRA	SA 240 TP 317L SA 240 TP 316L C.S. & S.S. SA 240 TP 316L IS 2062 GR.A S.S. 304 & 316L
6	Fatty Acid Distillation Plants (6Plants since 2017)	BVIS & BAX COUNSEL	SA 240 TP 316L
7	Deodoriser Columns for Edible Oil Refining in Various Capacities in Dia. 1900mm, 2400mm, 3000mm More than 20Nos. since 2002, Lengths Varying from 15Mtr. to 24Mtr.	DE SMET, BVIS	SA 240 TP 304
8	Continuous Heater Bleacher for Edible oil refining in various Capacity More than 25Nos. since 2002 Diameter varying from 1.4Mtr to 3.6Mtr & Length Varying from 5Mtr. to 11Mtr. ALONG WITH VARIOUS OTHER EQUIPMENTS	DE SMET, BVIS, INTERTEK, SGS, TUV	SA 240 TP 304
9	Sterillisers for Palm Oil Extraction: more than 20Nos since 2000	JAPRO, BVIS & BAX COUNSEL	SA 516 GR 70
10	Ethylene Oxide Mobile Tanker, under and as per Chief Controller of Explosive Rules (CCOE), 100% Radiography Welding.	CHEMPRO	SA 240 TP 304L
11	Petroleum Oil Mobile Tankers of 16KL, 18KL & 20KL capacity as per CCOE Rules.	BPCL, BV	IS 1079
12	Skid Mounted Air Drying Plant	UHDE/ TATA	SA 516 GR 70



ANNEXURE - V

ESTEEMED CLIENT LIST

We have already provided our products & services to the following Esteemed Clients:

1. GMM Pfaudler Ltd. (Karamsad, Anand Gujarat, & Pune, Maharashtra)
2. Fairchem Speciality Chemicals Ltd. (Mahad, Maharashtra)
3. Fairchem Organic Limited (Chekhla, Ahmedabad, Gujarat)
4. Adani Wilmar Limited (Hazira, Surat, Gujarat)
5. M/s Desmet Ballastra India Pvt. Ltd (Bangaluru, Karnataka)
6. M/s Japro Engineering Pvt. Ltd (Mumbai, Maharashtra)
7. M/s Sameer Chemcon (Mumbai, Maharashtra)
8. M/s Larsen & Toubro Ltd (Mumbai, Maharashtra & Hazira, Surat, Gujarat)
9. M/s Praj Industries Ltd (Pune, Maharashtra)
10. M/s Bharat Petroleum Ltd (Mumbai, Maharashtra)
11. M/s Indian Oil Sky Tanking (Mumbai, Maharashtra)
12. M/s. Indian Oil Company Limited (Mumbai, Maharashtra)
13. M/s. ABS Energy International LLC (Gulf) (Sharjah, UAE)
14. M/s Cipla Limited (Mumbai & Patalganga, Maharashtra)
15. M/s Thai Peroxide Co. Ltd (Thailand) (Bangkok, Thailand)
16. M/s Advance Comp Air System Pvt. Ltd (Mumbai, Maharashtra)
17. M/s Advance Expertise Pvt. Ltd. (Mumbai, Maharashtra)
18. M/s Hi Point Services (I) Pvt. Ltd (Mumbai, Maharashtra)
19. M/s K-Tek Technologies Consultant & Engineers (Mumbai, Maharashtra)
20. M/s Spectrum Ethers Pvt Ltd (Nashik, Maharashtra)



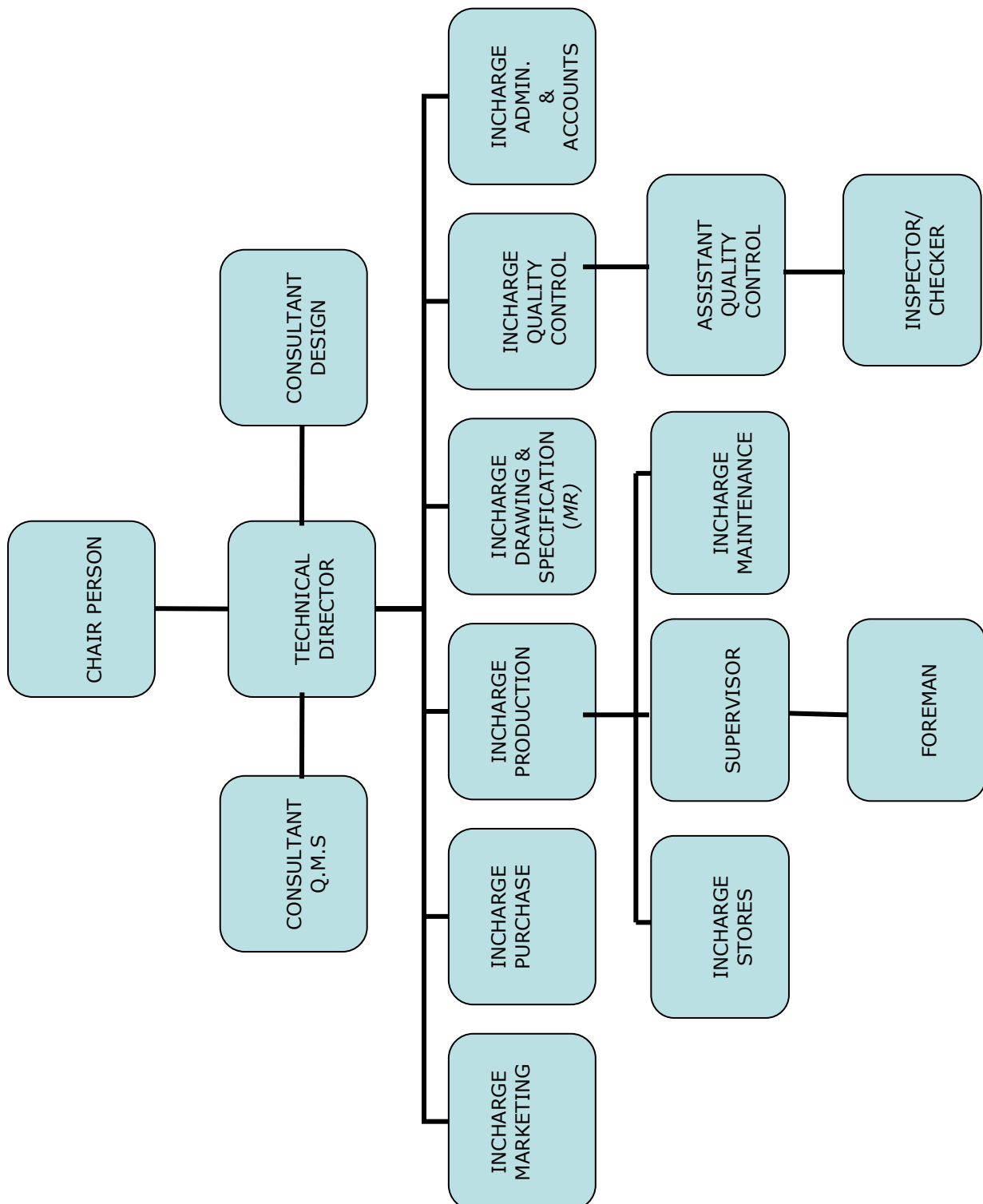
ANNEXURE – VI

LIST OF MACHINERIES OF BOTH UNIT I AND UNIT II

Sr.	Name of Machineries	Capacity	Make	Qty
1	<u>Cutting Machines</u>			
	Oxy-Acetylene Profile cutting machine	0-100mm	ESAB	1
	Oxy-Acetylene Hand cutting sets.	0-100mm	ESAB	5
	Plasma Cutting Equipments for cutting Non-Ferrous Metals	60mm	MEMCO	1
	Air Plasma cutting Equipment	16mm	Electro Plasma	1
	Air Plasma cutting Equipment	30mm	Electro Plasma	1
	Pug cutting M/c.	0-100mm	Allied	6
	Power Hacksaw M/c.	150mm	Sidhpura	2
2	<u>Bending Machines</u>			
	Section Bending Machine for Pipes, Angles, Channels, I Beams, Flat Bars etc.	Various	Parmar	1
	Plate bending M/c.	12X2000mm	Parmar	2
	Plate bending M/c.	25X2000mm	Parmar	2
	Plate bending M/c.	50X2500mm	Parmar	1
		20X3000mm	Parmar	1
	Pre-pinching Machine	30mm	Parmar	1
3	<u>Turning Lathe Machines</u>			
	Turning Lathe 6' long	600mm Center X 6'	Punjab	1
	Turning Lathe 8' long	800mm Center X 8'	Quality	1
4	<u>Drilling Machines</u>			
	Radial type drilling M/c.	1.5" Ø	Sidhapura German	2
	Radial type drilling M/c.	2.5" Ø	Jaggi & Jaggi	3
	Portable wolf make magnetic drilling machine	1 ¼" Ø	Wolf	1
5	<u>Hydraulic Press motorized</u>	150 tons	Parmar	1
6	<u>Grinding Machines</u>			
	Portable make Grinding Machine	60mm	Black & Decker	20
	Bench Grinder	60mm	Black & Decker	4
7	<u>Welding Machines</u>			
	Electric Welding rectifiers	400Amps	Memco	10
	Welding rod Heating Oven	400° C	RSS Weld Equip	2
	Argon Arc Welding equipments	400Amps	Memco	10
	Argon Arc welding for Aluminum metals	100 Amps	Memco	2
	MIG/MAG Welding M/c.	400 Amps	ESAB	3
	MIG/MAG Welding M/c	350 Amps	Panasonic	3
	Micro Pulse TIG welding Equipment.	400 Amps	Electro Plasma	1
	Micro Pulse TIG welding Equipment	300 Amps	Memco	1
	Submerged Arc Welding M/c. 1200 Amps. With Column and Boom	1200 Amps	ESAB	1
8	<u>E.O.T Crane</u>	20, 10 & 15 Tonnes	Parmar	5
9	<u>Monorail Manual Hand Operated Chain Block</u>	5 Tonnes	Liftwell	1
10	<u>CNC Plasma Cutting Machine</u>	2.5Mtrx3.5Mtr	Hypertherm	1



ANNEXURE - VII ORGANISATION CHART





ANNEXURE - VIII **WELDING FACILITIES**

PARMAR BROTHERS is always front runner in welding facilities among her clients. Here we have latest and class leading welding facilities with us as under:

We have following Welding Facilities with us:

- ✓ **GMAW:-** For Carbon Steels, Special Alloys, Stainless Steels, Aluminium Alloys & Hard Facing
- ✓ **FCAW:-** For Carbon Steels, Stainless Steels & Special Alloys.
- ✓ **GTAW:-** For Carbon Steels, Stainless Steels, Titanium, Special Alloys, etc.
- ✓ **SMAW:-** For Carbon Steels, Stainless Steels, Special Alloys, etc.
- ✓ **SAW:-** For Carbon Steels, Stainless Steels, Special Alloys, Hard Facing, etc.

WELDERS QUALIFIED UNDER 3RD PARTY INSPECTION AGENCY/CUSTOMER

Sr.	Welder Name	Welding Process	Welding Position	Qualifying Agencies
1	Dhyaneshwar S. Bhabal	GTAW, GMAW, FCAW, SMAW	6G-Pipes C.S. S.S. CS to SS	Lloyd's Chempro Bax-Counsel NPCIL Bureau Veritas SGS DNV De Smet
2	Omprakash Pal	GTAW	6G-Pipes C.S. S.S.	De Smet
3	Riaz Khan	GMAW, FCAW	1G, 2G Plate	SGS De Smet PB
4	Shamim Ansari	FCAW, GMAW	1G Plate	De Smet PB
5	Ganesh	FCAW, GMAW	1G, 2G Plate	De Smet PB IRS
6	Khalil Ansari	GTAW	1G, 2G Plate	De Smet PB



ANNEXURE-IX **INSPECTION PROCEDURE**

1. Identification of Raw-material, welding procedure Qualification Cutting and Edge preparation.
2. Rolling of shell and Long seam set up with Prod. coupon plate.
3. Approval for welding of Long seam welding.
4. First side Long seam Welding as per approved WPS/PQR.
5. Approval for 2nd side welding after back chip/DP test.
6. NDT/Radiography inspection, (repair of any) and Re-Radiography.
7. Cir. setup approval for welding.
8. Approval of 2nd pass of Cir. Welding after DP test of root-run.
9. Dish manufacturing /Inspection/Setup approval for welding.
10. Radiography of Dish/Shell Cir. Seam Welding.
11. Nozzle orientation marking, cutting, setup and approval for welding.
12. Fitting of lugs, saddle supports & approval for welding.
13. NDT Clearance.
14. Dimensional checkup and release for stress relieving.
15. Inspection of Stress relieving and release for testing.
16. Hydro test.
17. Clearance of the internal check free from water.
18. Sand Blasting.
19. Mounting fitting.
20. Air test.
21. Weighing and painting.
22. Final Inspection and Control Certificate.
23. Safety certificate -Ready for worthiness.



ANNEXURE - X **INSPECTIONS BY MAJOR TPIA / CLIENTS**

1. Lloyd's Register Asia
2. Bureau Veritas
3. DNV
4. Bax Counsel Inspection Bureau Pvt. Ltd.
5. SGS India Pvt. Ltd.
6. Chempro Expertise Pvt. Ltd.
7. Germanischer Lloyd
8. De Smet Ballestra Group
9. Japro Group
10. B. P. C. L.
11. N. P. C. I. L.
12. B. A. R. C.
13. Intertek

Our Fabrication Shop is also Approved by Chief Controller of Explosives, Nagpur for Fabrication of Unfired Pressure Vessels and SMPV Vessels



ANNEXURE – XI

LIST OF SUPPLIERS/ VENDORS – OUTSOURCING

Stainless Steel Supplier

Dhanesh Metal Corporation/ Pakshal Steel
65/73, Habib Building, Panjarapole Lane, C.P.
Tank, Mumbai – 400 004

Hanuman Steel Impex
65/73, Habib Building, Panjarapole Lane, C.P.
Tank, Mumbai – 400 004

Carbon Steel Supplier

Arihant Steel/ Arham Steel, Thane, Mumbai

Shah Brothers, Mumbai

Peacefort, Mumbai

Electricals and Power Transmission

Steel-o-Fab, Mumbai

Hanuman Power Transmission, Mumbai

Madam Transmissions, Mumbai

Physical & Chemical Testing

Metallurgical Services
Mehta House, L.B.S. Road,
Ghatkopar (W), Mumbai-400086.

Heat Treatment, Stress Relieving & Solution Annealing

Heatreaters & Engineers
Behind Shiv Shakti Ind. Estate,
Off. , L.B.S. Road, Ghatkopar(W),
Mumbai - 400086.

Radiography, Ultrasonic Testing & Other N.D.T. Services

IIS NDT & Allied Services Pvt. Ltd.
140, Ashirwad Industrial Estate,
Bldg. No.5, Ram Mandir Road,
Goregaon (E), Mumbai-400104.

Industrial Quality Inspection
AL-6/15/13, Sector-5, Airoli,
Navi Mumbai – 400 708.

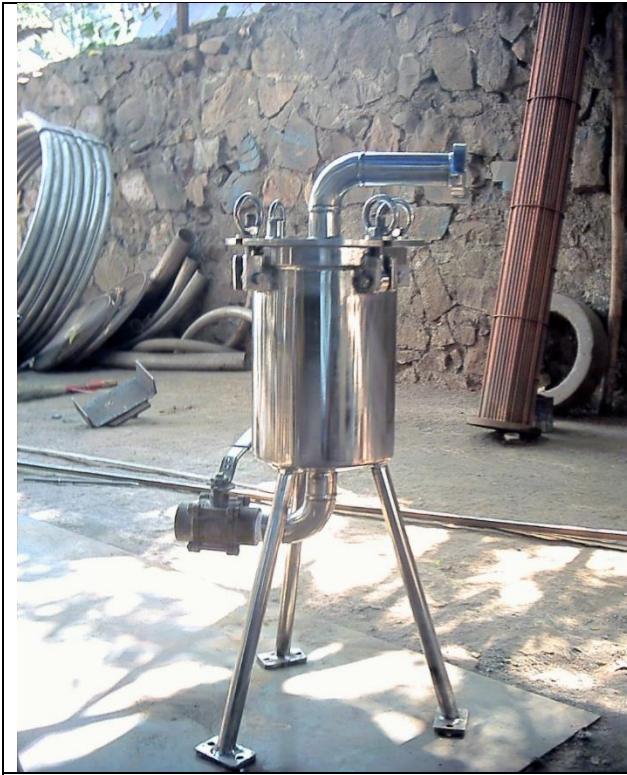
Dish-End Forming

Motilal Dished – Ends Works Pvt. Ltd.
Plot – B-28, Wagle Industrial Estate, Opp. Excise
Office, Thane – 400 604.
*Dished Ends By Spinning Machine & Point
Pressing*



ANNEXURE - XII LIST OF MEASURING & TESTING EQUIPMENTS

Sr. No.	Name	Range	Make	Purpose	Qty
1	Vernier Caliper	150, 250, 600 & 1000 mm	Mitutoyo	Outside and inside dimensions measurement	4
2	Magnetic Dial Gauge	150, 250, 600 & 1000 mm	Mitutoyo	To Check Job Circularity Trueness	1
3	Outside Micrometer	0-25 0-75 0-100 mm	Mitutoyo	Accurate Measurement of Thicknesses & Outside Diameters	3
4	'D'- Meter	0-100mm	Pulsecho	Thickness Gauge for Plates & Dish Ends	1
5	Hydro Test Manual pump	0-150 Kg/cm ²	Local	Hydro Testing of Equipments	2
6	Hydro Test Piston pump	0-10 Kg/cm ²	Local	Hydro Testing of Equipments	1
7	Tongue Tester / Multi Meter	600 Amps	Meco	To Check Current & Voltage in the Electrical Conduits	1
8	Templates	Various	PB	Check Circularity	-
9	Templates	Various	PB	Profile cutting of stiffeners	-
10	Templates	Various	PB	Check forming shape of Dished ends	-
11	Gauges	Various	PB	Check 'V' preparation and root gap	-
12	Welding Gauges	Various	Weld Spring Universal	To check Fillet size	2
13	X – RAY Machine			250KVA	2



FILTER BODY

FILTER BODY



U TUBE BUNDLE



SHELL & TUBE HEAT EXCHANGER



PROCESS VESSEL WITH MATT BUFFING FINISH OUTSIDE



REACTOR TESTING IN WORKSHOP



Agitator Assembly In Reactor



FOOD INDUSTRY APPLICATION DISPENSERS



Air Dryer In Skid Mounted Assembly



RAW MATERIAL DOSING AUTOMATION SKID