

SR. NO	MACHINERY	MAKE	CAPACITY	QTY.
<b>I MATERIAL HANDLING EQUIPMENT</b>				
1	E.O.T. CRANE	HITECH	15 MT. (8 MTRS. CLEAR HT.)	1 NO.
	E.O.T.CRANE	--	10MT (8.5 MTRS CLEAR HT.)	1 NO.
	E.O.T CRANE	---	5 MT	1 NO.
	E.O.T CRANE	----	10 MT	1 NO.
	E.O.T CRANE	----	3 MT	1 NO.
2	ZIP CRANE	-----	2 MT.	2 NOS.
3	CHAIN PULLY BLOCK	MORRISS	5 & 3 MT.	2 NOS.
4	TROLLY	MORRISS	5 MT.	1 NO.
5	LIFTING TACKLES	----	5 MT	1 SET
<b>II WELDING EQUIPMENTS. &amp; ACCESORRIES</b>				
1	WELDING RECTIFIER	ADVANI ADOR	400 AMPS.	3 NOS.
2	WELDING RECTIFIER	ACCURATE ENGG.	20-500 AMPS.	1 NO.
3	-----DO-----	D & H	400 AMPS	4 NO.
4	WELDING RECTIFIER	MET WELD	600 AMPS	1 NO.
5	WELDING GENERATOR	ADVANI OERLIKON (K-320)	400 AMPS.	2 NOS.
6	-----DO-----	POLLAND	500 AMPS.	1 NO.
7	WELDING INVERTER	WARPP	400 AMPS.	16 NOS.
8	TIG WELDING SET.	WARPP	----	4 SETS
9	ALLUMINIUM WELDING M/C	WARPP	-----	1 SET
10	ELECTRODE HEATING OVEN	I.O.L	600 DEG. CEN.	3 NOS.
11	PORTABLE HEATING OVEN	I.O.L	150 DEG. CEN.	8 NOS.
12	LEAD LINING EQUIP.	I.O.L	-----	1 SET.
<b>III PLATE FORMING AND CUTTING MACHINING FACILITY</b>				
1	PLATE BENDING M/C WITH SECTION BENDING FACILITY	KHALSA ENGG. (NEW DELHI)	2500 MM WIDTH X 25 MM THK	1 NO.
2	LATHE	R.M.T (RAJKOT)	9' LONG C.H. 16" (IN GAP)	2 NO.
3	LATHE	BELEX (RAJKOT)	9' LONG C.H. 36" (IN GAP)	1 NO.
4	LATHE	VIN – BRAND (RAJKOT)	7' LONG 12" C.H. 12"	1 NO
4	RADIAL DRILL	H.M.T (RM-63)	65 MM X 1790 RADIUS	2 NO.
5	RADIAL DRILL	PRABHAT	32 MM	1 NO.
6	PILLER DRILL	ALEX MACHINE	25 MM	1 NO.
7	RADIAL DRILL	BATALI BOI	65 MM X 1790 RADIUS	1 NO.
8	HAND SHEARING M/C	LOCAL	12"	12 NO.
9	POWER HACKSAW	BHARAT	10"	1 NO.
10	PLASMA CUTTING FOR S.S.	ARTI ENGINEERS	UP TO 150 MM THK.	1 NO.
11	AIR PLASMA	HYPERTHERM	UP TO 25 MM THK.	1 NO.
12	OXY-ACETELENE CUTTING SET	I.O.L	ANY THK	15 SETS.
13	BENCH GRINDER	VIPUL	2 H.P.	3 NOS.
14	PUG CUTTING M/C	I.O.L/STAG	-----	3 NOS.
15	DUAL TORCH PUG CUTTING MACHINE	KOIKE	-----	2 NOS.
16	PORTABLE DRILL	WOLF	1/2" , 3/4"	1 EACH

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<b>IV</b>	<b>TUBE FORMING AND MACHINING FACILITY</b>			
1	REAMERS	-----	1/4" TO 1-1/2"	REQ. QTY.
2	GROOVING HOLDER WITH TOOLS	HEATEX BOMBAY	3/8" TO 1-1/2"	2 NOS.
3	TORQUE CONTROL UNIT WITH 3 DRIVE UNIT & EXPANDERS	HEATEX BOMBAY	1/4" TO 1-1/2" O.D TUBE	4 SET.
<b>V</b>	<b>TESTING FACILITY (IN HOUSE)</b>			
1	HYDRAULIC TESTING PUMP	RELIANCE & PEC.	650 PSI TO 3500 PSI	3 NOS.
2	AIR COMPRESSURE	INGER SOLL RAND	70 KG./CM2g.	1 NO.
3	AIR COMPRESSUER	TOYO	20 KG./CM2g.	1 NO.
4	MOLLY TESTING	-----	-----	1 NO.
5	ULTRASONIC THICKNESS M/C	MODSONIC (A,BAD)	1 MM TO 300 MM	1
6	D.P.TEST KIT	-----	-----	REQ. QTY.
7	D.P.TEST	--		
8	BEND TEST	--		
9	HYDRO TESTING	--	UP TO 3500 PSI AVAILABLE AT WORKS	
10	PNEUMATIC TESTING	--	UP TO 1000 PSI AVAILABLE AT WORKS	
11	PAINT COAT METER	BLUE STEEL MAKE	FOR MEASURING THK. OF PAINT	1 No.
12	HARDNESS TESTER	FINE MAKE	366 BHN	1 No
13	PORTABLE HARDNESS TESTER (DIGITAL)	TIME MAKE	654 BHN	1 No.
14	DARK ROOM	--	10 X 15	1 NoI
<b>VI</b>	<b>SPECIAL GAUGES AND INSTRUMENTS</b>			
1	THREAD PLUG GAUGES	H.I.P.	1/2" TO 2-1/2" BSP & NPT.	REQ.QTY.
2	GO AND NOGO GAUGES	AERO	3/8" TO 1-1/2"	REQ. QTY.
3	THREAD GAUGES	TRUE THREAD	1/2" TO 2-1/2" NPT.	REQ. QTY.
4	VERNIER CALIPER	MITUTOYO	6",12"	3 NOS.
5	VARNIER CALIPER	---DO---	40"	1 NO.
6	DIAL VERNIER CALIPER	---DO---	12" (.02 mm ACCURACY)	1 NO.
7	MICROMETER	---DO---	3: , 6"	2 NO.
8	BALL POINT MICROMETER	---DO---	3"	
9	BORE GAUGES	---DO---	1 MM TO 35 MM	
<b>VII</b>	<b>OTHERS</b>			
1	ELECTRIAL ANGLE & SURFACE GRINDERS	WOLF/NEWTON/BLACK & DECKER/HITACHI/Metabo	-----	33 NOS.
2	SANDER MACHINE	WOLF	-----	1 NO.
3	FLEXIBLE SHAFT GRINDER	WOLF	-----	4 NOS.
4	TUBE EXPANDERS	HEATEX/POWER MASTER	1/4" TO 1-1/4"	REQ. QTY.

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5	TUBE END FACERS	POWER MASTERS	--DO--	---DO--
6	TUBE END CUTTERS	----DO----	---DO---	---DO---
7	GROVING TOOL & CUTTERS	HEATEX	---DO---	---DO--
8	DRILLS , REAMERS , TAPSETS & OTHER TOOLS	ADDISION/I.T./TOTEM	1/4" TO 2" BSP,NPT,BSW,UNC	REQ. QTY.
9	AIR GUN & SPRAY GUN	PILOT	----	2 NOS.
<b>VIII</b>	<b>BACK - UP FACILITY FROM OUTSIDE SOURCES</b>			
1	ULTRASONIC TEST	1) SIGMA NDT SERVICE , AHMEDABAD 2) ULTRASONIC ENGINEERING SERVICE. AHMEDABAD		
2	RADIOGRAPHY	1) SIGMA NDT SERVICE , AHMEDABAD. 2) EXRAYTECH INSPECTION SERVICES 3) RADIOTECH AHMEDABAD		
3	MAGNETIC PARTICLE EXAMINATION	1) SIGMA NDT SERVICES AHMEDABAD.		
4	HEAT TREATMENT FACILITY	1) M/S RATNAMANI HEATING POINT 2) KARMAYOG ALLOY , AHMEDABAD 3) M/S GUJARAT PERFECT , BARODA.		
5	DISH END FORMING	1) VISHWAKARMA ENGINEERING , AHMEDABAD 2) STEELFIT ENGINEERING, AHMEDABAD		
6	CHEMICAL TESTING	1) M/s DIVINE LABORATORIES		
7	PHYSICAL TESTING	1) M/s SHARON ENGINEERING & TEST HOUSE 2) M/s DIVINE LABORATORIES		
<b>X</b>	<b>COMPUTERS &amp; SOFTWARE FACILITY</b>			
1	COMPUTER FOR THERMAL , MECHANICAL DESIGN AND DRAWING	CORE-I3 TO CORE-I7 WITH 2 GB TO 16 GB RAM 1 TB HDD		32 NOS.
2	SOFT WARE	THERMAL DESIGN OF HEAT EXCHANGER BASED ON HTRI MECHANICAL DESIGN OF HEAT EXCHANGER AND PRESSURE VESSEL AS PER ASME (COMPRESS OF CODEWARE, U.S.A / PVELite / Bentley) TUBE LAY OUT FROM CODEWARE, U.S.A AUTOMATIC DRAWING GENERATION FOR HEAT EXCHANGER AND PRESSURE VESSELS (DESIGN AID) HTRI FOR THERMAL DESIGN OF HEAT EXCHANGERS BENTLEY – WIN – NOZZLE FOR WRC ANALYSIS FEA ANALYSIS ON COMPRESS-CODEWARE AND BENTLAY		