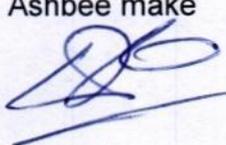


No	Name of the Equipment	Material of Construction	Total Value in Rs.
8.2.8.08	Boiler Feed Water Tank, size 1800 ID x 3600 mm lg. X 6mm, Capacity 9,100 ltrs.	MS	1
8.2.8.09	Feed Water Tank for Boiler, size 1500 mm ID x 2830 mm lg., Capacity 4,700 ltrs.	MS	1
8.2.8.10	Soft Water Storage Tank, vertical with flat bottom & conical top, size 1500 mm ID x 2000 mm ht, Capacity 3,500 ltrs.	MS	1
8.2.8.11	Twin Cylinder reciprocating Air Compressor with after cooler, Model T.C. 200 m, Capacity 5.26 M <sup>3</sup> /min, complete with 50 Hp / 1450 rpm motor, Kirloskar Pneumatic Ltd make, along with accessories.		2
8.2.8.12	Compressed Air Receiver, Vertical with dished end, Cap. 5000 ltrs	MS	1
8.2.8.13	Air Dryer System consisting of 2 nos. of activated alumina filled tower, air heater (electric) Separator, after cooler, etc., Capacity – 270 NM <sup>3</sup> /hr.		1
8.2.8.14	Boiler Chimney, size 1200 mm ID x 30.5 mtr ht and flue gas ducts 600 Ø x 20 mtr lg.	MS	1
8.2.8.15	Instrument air receiver, vertical with dished end.	MS	2




Sr. No	Name of the Equipment	Material of Construction	Qty. Nos.
8.2.8.16	PSA Nitrogen Generation Unit, Capacity 17 NM <sup>3</sup> /hr, consisting of pre-filter, 2 nos. of carbon molecular filled tower with surge tanks.		1
8.2.8.17	Nitrogen Receiver, vertical, size 1500 mm x 2500 mm ht x 10 mm, Capacity 5,000 ltrs.	MS	1
8.2.8.18	Chilling Unit, Model D-212/11, Thermax make, Capacity 320 TR, complete system with control panel.		1
8.2.8.19	Hot Well/Cold Well for Chilling Unit, 1800 mm ht. x 5400 x 2500 x 6 mm thick plates, Capacity 22,500 ltrs.		1
8.2.8.20	Quadra Flow Evaporated induced type Cooling tower. Model 2230-S, Capacity 175 M <sup>3</sup> /hr., Paharpur Cooling Tower Ltd. make.	FRP	2
8.2.8.21	Cross Flow, induced & evaporator Cooling Tower, Model 372-102, Capacity 600 M <sup>3</sup> /hr. Paharpur Cooling Tower Ltd. make.	Wood- en	1
8.2.8.22	Weigh Bridge Electronic Scale along with Printer, Capacity-20 T, Ashbee make		




Sr. No	Name of the Equipment	Material of Construction	Qty. Nos.
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8.2.9. List of Equipment in Cumene Plant.

8.2.9.01	Cumene Day Dank, Size 2800 Ø x 4000 ht., Capacity 25,000 Ltrs.	MS	1
8.2.9.02	Cumene measuring Vessel, size 1380 Ø x 2000 ht., Capacity 3,000 Ltrs.	MS	1
8.2.9.03	MNS Measuring Vessel. Size 1600 Ø x 2500 ht., Capacity 5,000 Ltrs.	SS	1
8.2.9.04	Nitrator, size 1720 Ø x 3000 ht., Capacity 7,000 Ltrs.	SS	1
8.2.9.05	Washer, size 1600 Ø x 3000 ht., Capacity 6,000 Ltrs.	SS	1
8.2.9.06	Spent Acid Intermediate Tank, size 1720 Ø x 3000 ht., Capacity 7,000 Ltrs.	SS	1
8.2.9.07	Settling Tank, size 1600 Ø x 2500 ht, Capacity 5,000 Ltrs.	MS	1
8.2.9.08	Crude Nitro Cumene storage tank, having size 2400Ø x 3400L x 6 mm Capacity 15,000 Ltrs. along with flat bottom & conical top.	MS	1
8.2.9.09	Cumene Distillation Column, size 850 Ø x 15000 ht. with Sulzer Packing.	MS	1



Sr. No	Name of the Equipment	Material of Construction	Total Value in Rs.
8.2.9.10	Column Re-boiler, HTA 17.9 m <sup>2</sup>	MS	1
8.2.9.11	Column Condenser, Shell & Tube type, Capacity 7.66 m <sup>2</sup>	SS 316	1
8.2.9.12	Ejector (Multistage).System	Graphite	1
8.2.9.13	Para Nitro Cumene Storage Tank, size 2200 m Ø x 4000 mt. Ht., Capacity 15,000 Ltrs.	MS	1
8.2.9.14	Ortho Nitro Cumene Storage Tank, size 2200 Ø x 4000 ht, Capacity 15000 Ltrs.	MS	1
8.2.9.15	Feed Preheater of column, HTA 5.75m <sup>2</sup>	SS	1
8.2.9.16	Reduction Vessel, size 2200 Ø x 4000 ht, Capacity 15,000 Ltrs.	SS	1
8.2.9.17	Settling Tank for Cumene, Rectangular, having size 1800 x 2000 x 1500 x 6 mm with partition, capacity 5400 lit.	SS	1
8.2.10	<b>Pumps &amp; Blowers.</b>		
8.2.10.1.	<b>MCB Section.</b>		
8.2.10.1.01	Multistage Centrifugal Pump, Capacity 10 M <sup>3</sup> /hr, Head 20 mtr, having mech. Seal coupled with 2 HP / 1400 rpm FLP Motor	MS with Bronze Impel	2
8.2.10.1.02	Submersible Pump, Vertical CVE 32/125, Capacity 10 M <sup>3</sup> /hr submer-sible dept-3135 mm, Kishore make, coupled with 2 HP / 2900 rpm FLP Motor.	CS	1




Sr. No	Name of the Equipment	Material of Construction	Qty. Nos.
8.2.10.1.03	Centrifugal Pump, Horizontal BPO design CL 40 x 32 - 160, Capacity 2 to 4 M <sup>3</sup> /hr, Head 30 mtr., Khimline make, coupled with 1.5 HP/2900 rpm FLP Motor	CS	8
8.2.10.1.04	Centrifugal Pump, Horizontal BPO design CC 40 x 32 - 160, Capacity 4 M <sup>3</sup> /hr, Khimline make coupled with 2 HP / 2900 rpm FLP Motor.	CS	8
8.2.10.1.05	Centrifugal Pump, Horizontal BPO design CC 80 x 65 - 200, Capacity 50 M <sup>3</sup> /hr, Khimline make, coupled with 15 HP / 2900 rpm FLP Motor.	CS	4
8.2.10.1.06	Centrifugal Pump, Horizontal BPO design CC 40 x 32 - 200, Capacity 5 M <sup>3</sup> /hr, Khimline make coupled with 1 HP / 2900 rpm FLP Motor.	CS	3
8.2.10.1.07	Centrifugal Pump, Horizontal BPO design CC 65 x 50 - 200, with mechanical seal, Capacity 10 M <sup>3</sup> /hr, Khimline make, coupled with 10 HP / 2900 rpm FLP Motor.	CS	1
8.2.10.1.08	Centrifugal Pump, Horizontal BPO design with mechanical seal, Capacity 11 M <sup>3</sup> /hr, Antico make, coupled with 7.5 HP / 2900 rpm FLP Motor.	PP	5

*[Handwritten Signature]*



Sr. No	Name of the Equipment	Material of Construction	Total Value in Rs.
8.2.10.1.09	Centrifugal Pump, Horizontal BPO design with mechanical seal, Capacity 11 M <sup>3</sup> /hr, Antico make, coupled with 5 HP / 2900 rpm FLP Motor.	PP	1
8.2.10.1.10	Submersible Pump, Model VSP 60/2.0, Capacity 5 M <sup>3</sup> /hr, Antico make, coupled with 5 HP /1440 rpm FLP Motor.	PP	1
8.2.10.2	<b>PNCB / ONCB Section.</b>		
8.2.10.2.01	Centrifugal Pump, Horizontal BPO design, Model 40x32-200 with mechanical seal, Capacity 8 M <sup>3</sup> /hr, Khimline make coupled with 5 HP / 2900 rpm FLP Motor.	CS	1
8.2.10.2.02	Centrifugal Pump, Horizontal BPO design, Model 40x32-200 with mechanical seal, Capacity, 4 M <sup>3</sup> /hr – 5 M <sup>2</sup> /hr, Khimline make, coupled with 2 HP / 2900 rpm FLP Motor.	SS / CS	4
8.2.10.2.03	Centrifugal Pump, Horizontal BPO design, Model 40x32-160, with mechanical seal, Capacity 6 M <sup>3</sup> /hr, Khimline make, coupled with 2 HP / 2900 rpm FLP Motor.	CI	2
8.2.10.2.04	Centrifugal Pump, Horizontal BPO design, Model 40x32-160 with mechanical seal, Capacity 7.5 M <sup>3</sup> /hr, Khimline make, coupled with 3 HP/ 2900 rpm FLP Motor.	Alloy 20	2




Sr. No	Name of the Equipment	Material of Construction	Total Value in Rs.
8.2.10.2.05	Centrifugal Pump, Horizontal Gland Packed type, Model 40x32-160, Capacity 7.5 M <sup>3</sup> /hr, Khimline make, coupled with 3 HP/ 2900 rpm FLP Motor.	CI	1
8.2.10.2.06	Centrifugal Pump, Horizontal BPO design, Model 40x32-160 with mechanical seal, Capacity 7.5 M <sup>3</sup> /hr, Khimline make, coupled with 3 HP/ 2900 rpm FLP Motor.	SS	2
8.2.10.2.07	Centrifugal Pump, Jacketed, Horizontal, BPO design, Model 40x32-160J with mechanical seal, Capacity 7.5 M <sup>3</sup> /hr, Khimline make, coupled with 3 HP/ 2900 rpm FLP Motor.	SS	2
8.2.10.2.08	Centrifugal Pump, Jacketed, Horizontal, BPO design, Model CC 40x32-160J with mechanical seal, Capacity 7.5 M <sup>3</sup> /hr, Khimline make, coupled with 2 HP/ 2900 rpm FLP Motor.	SS	5
8.2.10.2.09	Centrifugal Pump, Horizontal BPO design, Model 40x32-160, with mechanical seal, Capacity 10 M <sup>3</sup> /hr Khimline make, coupled with 2 HP/ 2900 rpm FLP Motor.	SS	6
8.2.10.2.10	Centrifugal Pump, Horizontal BPO design, Model 40x32-160 with mechanical seal, Capacity 4 M <sup>3</sup> /hr, Khimline make, coupled with 5 HP/ 2900 rpm FLP Motor.	CI	1




No	Name of the Equipment	Material of Construction	Total Value in Rs.
8.2.10.2.11	Centrifugal Pump, Jacketed, Horizontal, BPO design, Model 65x50-160J, with mechanical seal, Capacity 15 M <sup>3</sup> /hr, Khimline make, coupled with 5 HP/ 2900 rpm FLP Motor.	SS	4
8.2.10.2.12	Centrifugal Pump, Horizontal BPO design, Model 40x32-160J, Gland Packed, Capacity 15 M <sup>3</sup> /hr, Khimline make, coupled with 5 HP/ 2900 rpm FLP Motor.	SS	4
8.2.10.2.13	Centrifugal Pump, Horizontal BPO design, Model 40x32-125, with mechanical seal, Capacity 5 M <sup>3</sup> /hr, Khimline make, coupled with 1.5 HP/ 2900 rpm FLP Motor	SS	1
8.2.10.2.14	Centrifugal Pump, Jacketed, Horizontal, BPO design, Model CC 80 x 65 x 200 J, with mechanical seal, Capacity 15 M <sup>3</sup> /hr, Khimline make, coupled with 3 HP/ 1450 rpm FLP Motor.	SS	1
8.2.10.2.15	Centrifugal Pump, Horizontal, BPO design, Model CC 65 x 50 -160, with mechanical seal, Capacity 20 M <sup>3</sup> /hr, Khimline make, coupled with 3 HP/ 2900 rpm Motor.	SS	2
8.2.10.2.16	Centrifugal Pump, Horizontal BPO design, Model FCH - SP - 3L - 160 with mechanical seal, Florite make, coupled with 5 HP/ 2900 rpm FLP Motor.	CI	1




Sr. No	Name of the Equipment	Material of Construction	Qty. Nos.
8.2.10.2.17	External Rotary Gear Pump, Model RD x J -2002, size 2" x 2", capacity 12 M <sup>3</sup> /hr, Del Engg. Make, coupled with 5 HP / 1450 rpm FLP motor.	CS	2
8.2.10.2.18	External Rotary Gear Pump, Model RD x J – 150 S , size 1½" x 1½", capacity 5 M <sup>3</sup> /hr, Del Engg. Make, coupled with 1.5 HP / 1450 rpm FLP motor.	CS	2
8.2.10.2.19	Centrifugal Pump, Horizontal, Model FLH-SP, 25/160, gland packed, Capacity 5 M <sup>3</sup> /hr, Florite make, coupled with 3 HP/ 2900 rpm Motor.	CI	1
8.2.10.2.20	Monoblock Pump, Horizontal, Model KDS 325, size 65 x 50, Capacity 21 M <sup>3</sup> /hr, Kirloskar make, along with Motor.	CI	1
8.2.10.2.21	Centrifugal Pump, Horizontal BPO design, Model CC 100 x 80–160, Gland Packed, Capacity 100 M <sup>3</sup> /hr, Khimline make, coupled with 12.5 HP/ 2900 rpm Motor.	CI	3
8.2.10.2.22	Centrifugal Pump, Horizontal BPO design, Model CC 100 x 80–200, Gland Packed, Capacity 100 M <sup>3</sup> /hr, Khimline make, coupled with 30 HP/ 2900 rpm Motor.	CI	3

*[Handwritten Signature]*



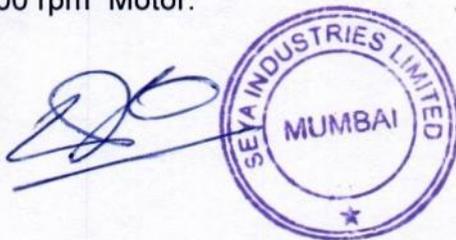
Sr. No	Name of the Equipment	Material of Construction	Qty. Nos.
8.2.10.2.23	Centrifugal Pump, Horizontal BPO design, Model CC 200 x 150-400, Gland Packed, Capacity 270 M <sup>3</sup> /hr, Khimline make, coupled with 100 HP/ 1450 rpm Motor.	CI	3
8.2.10.2.24	Centrifugal Pump, Horizontal BPO design, Model CC 125 x 100-250, Gland Packed, Capacity 100 M <sup>3</sup> /hr, Khimline make, coupled with 50 HP/ 2900 rpm Motor.	FI	1
8.2.10.2.25	Centrifugal Pump, Horizontal BPO design, Model DB-50/20, Gland Packed, Kirloskar make, coupled with 20 HP/ 2900 rpm FLP Motor.	CI	2
8.2.10.2.26	Centrifugal Pump, Horizontal BPO design, Model 80 x 65-160, Gland Packed, Capacity 80 M <sup>3</sup> /hr, Khimline make, coupled with 5 HP/ 2900 rpm TEFC Motor.	CI	2
8.2.10.2.27	Centrifugal Pump, Jacketed, Horizontal, BPO design, Model 125 x100-200, Gland Packed, Capacity 100 M <sup>3</sup> /hr, Khimline make, coupled with 40 HP/ 2900 rpm TEFC Motor.	CI	2



Sr. No	Name of the Equipment	Material of Construction	Qty. Nos.
8.2.10.2.28	Centrifugal Pump, Horizontal BPO design, Model CC 40x32-250, Gland Packed, Capacity 4 M <sup>3</sup> /hr, Khimline make, coupled with 10 HP / 2900 rpm TEFC Motor.	CI	2
8.2.10.2.29	Centrifugal Pump, Horizontal BPO design, Model 200 x 150 - 400, Gland Packed, Capacity 175 M <sup>3</sup> /hr, Khimline make, coupled with 40 HP / 1450 rpm TEFC Motor.	CI	3
8.2.10.2.30	Centrifugal Pump, Jacketed, Horizontal, BPO design, Model KPD-J 32/13H with mechanical seal, Capacity 9.3 M <sup>3</sup> /hr, Kirloskar make, coupled with 3 HP/ 2900 rpm FLP Motor.	SS	1
8.2.10.2.31	Centrifugal Pump, Jacketed, Horizontal, BPO design, Model KPD-J 80/ 32H with mechanical seal, Capacity 60 M <sup>3</sup> /hr, Kirloskar make, coupled with 20 HP / 1450 rpm FLP Motor.	SS	1
8.2.10.2.32	Centrifugal Pump, Jacketed, Horizontal, BPO design, Model KPD-J 40/32 with mechanical seal, Capacity 15 M <sup>3</sup> /hr, Kirloskar make, coupled with 7.5 HP / 1450 rpm FLP Motor.	SS	1



Sr. No	Name of the Equipment	Material of Construction	Qty. Nos.
8.2.10.2.33	Centrifugal Pump, Horizontal, BPO design, Model KPD 50/20, with mechanical seal, Capacity 20 M <sup>3</sup> /hr, Kirloskar make, coupled with 5 HP/ 1450 rpm FLP Motor.	Alloy 20	2
8.2.10.2.34	Centrifugal Pump, Horizontal, BPO design, Model KPD 32/13 with mechanical seal, Capacity 16 M <sup>3</sup> /hr, Kirloskar make, coupled with 3 HP/ 2900 rpm FLP Motor.	Alloy 20	2
8.2.10.2.35	Jacketed Horizontal Pump, Model KPD-J Size 50x32, with mechanical seal, Capacity 9.3 M <sup>3</sup> /hr, Kirloskar make, coupled with 3 HP/ 1450 rpm FLP Motor.	SS	1
8.2.10.2.36	Self Primed Horizontal Pump, Model KGEN-11-3 PU, with mechanical seal, Capacity 11 M <sup>3</sup> /hr, Stork make, coupled with 1.5 HP/ 2900 rpm Motor.	CS	1
8.2.10.2.37	Submerged Vertical Pump, Model VSP 60/20, size 75 x 40 x 270, Anticorrosive make, coupled with 5 HP / 1450 rpm Motor.	PP	1
8.2.10.2.38	Monoblock Pump, Horizontal, Capacity 21.6 M <sup>3</sup> /hr, Kirloskar make, along with 3 HP/ 2900 rpm Motor.	CI	2



Sr. No	Name of the Equipment	Material of Construction	Qty. Nos.
8.2.10.2.39	Centrifugal Pump, Model DB-40-13, size 65 x 40, Gland Packed, Capacity 25 M <sup>3</sup> /hr, Kirloskar make, coupled with 5 HP/ 2900 rpm Motor.	CI	1
8.2.10.2.40	Self Primed Pump, Model KGEN 11-4PV, with mechanical seal, Capacity 2.5M <sup>3</sup> /hr, Stork make, coupled with 2 HP/ 2900 rpm FLP Motor.	CI	1
8.2.10.2.41	Centrifugal Pump, Gland Packed, Capacity 2.5M <sup>3</sup> /hr, Kirloskar make, coupled with 2 HP/ 2900 rpm FLP Motor.	CI	1
8.2.10.2.42	Self Primed Pump, Model KGEN 11-3 PV, with mechanical seal, Capacity 15 M <sup>3</sup> /hr, Stork make, coupled with 1.5 HP/ 2900 rpm FLP Motor.	CI	1
8.2.10.3	<b>Utility Department</b>		
8.2.10.3.1	Two Stage Water Ring Vacuum Pump, Model WRIC 120 x 60, Capacity 100 M <sup>3</sup> /hr, H.K. Industries make, coupled with 7.5 HP / 1450 rpm FLP Motor.	CI	5
8.2.10.3.2	Twin Lobe AIR Compressor, Capacity 75 NM <sup>3</sup> / hr, C. Bole & Com. Make, coupled with 3 HP / 1450 rpm Motor.	CI	2
8.2.10.3.3	Condensate Recovery Pump, Size – 50 mm, Flow 2500 Kg/hr, Spirax Marshall Ltd make.	CS	2



Sr. No	Name of the Equipment	Material of Construction	Qty. Nos.
8.2.10.3.4	Condensate Recovery Pump, Size- 80 x 50 mm, Flow 4500 Kg/hr Spirax Marshall Ltd make.	CS	2
8.2.10.3.5	Cooling Water Pump for Cooling Tower CT 101/102, Capacity 175 M <sup>3</sup> /hr , Supplied by Khimlime Pumps		3
8.2.10.3.6	Cooling Water Pump for Cooling Tower CW 100, Capacity 270 M <sup>3</sup> /hr, Supplied by Khimlime Pumps		3
8.2.10.3.7	Booster Pump for cooling water, Capacity 100 M <sup>3</sup> /hr, Supplied by Khimlime Pumps		1
8.2.10.4.	<b>Cumidine Section</b>		
8.2.10.4.1	Cumene Transfer Pump, Capacity 10m <sup>3</sup> /Hr	SS	1
8.2.10.4.2	Intermediate Transfer Pump, Capacity 9m <sup>3</sup> /Hr.	CI	1
8.2.10.4.3	Crude Nitro Cumene Transfer Pump, Capacity 15 m <sup>3</sup> /Hr.	SS	1
8.2.11	<b>Effluent Treatment Equipment</b>		Lot
a.	Screen Chamber – Underground Open Chamber, Size 0.5 mtr width 1 mtr long lined with acid resistant tiles.		1
b.	Oil and Grease Trap, Underground, Open, Size 1 mtr. side x 3 mtr. width x1.5 mtr ht, with acid resistant tiles.		1



Sr. No	Name of the Equipment	Material of Construction	Qty. Nos.
c.	Equalization Tank including Drying Pit, size 7.5 mtr x 6.8 mtr x 3.5 mtr., with acid resistant tiles.		2
d.	Aeration Tank, Size 7 mtr x 7 mtr. x 3 mtr, with acid resistant tiles, provided with surface afeator coupled with 7.5 HP / 1450 rpm Motor through gear box.		1
e.	Primary Clarifier, Vertical, square in M.S. Construction with bottom conical top open., size 2.4 x 2.4 x 1.5 x 6 mm thick plates.		1
f.	Secondary Clarifier, Size 3 mtr Ø x 3 mtr. ht. in RCC, provided with scraper drive assembly having motor and gear box.		1
g.	Sludge Drying Bed, Size 3.2 mtr. x 5 Mtr.		1
h.	Treated Effluent Sump, V-notch, size 2.4 mtr. x 1.5 mtr. x 1.2 mtr. in concrete.		1
i.	Alkali / Lime Solution Tank, Size 1.8 mtr. x 1.8 mtr. x 1.5 mtr. in MS Construction, provided with Agitator with 3 HP Motor.		1
j.	Biomass Development Tank, Size 1.8 mtr. x 1.8 mtr. x 1.5 mtr. in MS construction.		1
k.	NOX Blower, Centrifugal, Capacity 1800 M <sup>3</sup> hr / 2900 rpm, coupled with 7.5 HP / 2900 rpm FLP Motor, Universal Fan make, along with scrubber – 250 mm ID, 8 mm thick x 8450 m ht, packed with Ceramic Saddle	SS 316 L	2



Sr. No	Name of the Equipment	Material of Construction	Qty. Nos.
8.2.12.	<b>Laboratory Equipment</b>		
8.2.12.01	Gas Chromatograph, Model 8610 HT, two packed column, Chemito make. (Toshniwal Instruments Ltd.)		1
8.2.12.02	Mettler Electronic Digital Balance, Model AB 204, supplied by M/s. Datalab (India) Ltd.		1
8.2.12.03	Electronic Weigh Balance, Model Dhona- 200, Dhona Instruments (P). Ltd. make.		1
8.2.12.04	Karl Fisher Titration Apparatus, Model- Auto 1 VKF-3, along with accessories, Veego Instruments Corporation make.		1
8.2.12.05	Precision Melting Point Apparatus, Model MP - 1, Veego Scientific Devices make		1
8.2.12.06	Filter Calorimeter. Model - Photo Chem-8, Photo Electric Instruments Pvt. Ltd. make.		1
8.2.12.07	PH meter, Model CL-54, Toshniwal Brother (P) Ltd. make.		1
8.2.12.08	Hot Plates, Capacity 3 KW		2
8.2.12.09	Karl Fisher Digital Automatic Titrator, Model VM. MD Micro Processor, Veego Scientific Devices make		1




Sr. No	Name of the Equipment	Material of Construction	Qty. Nos.
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8.2.12.10	Air Generator, Model-HS-NP-IT, C.P. Enterprises make.		1
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8.2.12.11	Heating Mantles, Capacity 1 ltr.		1
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8.2.12.12	Heating Mantles, Capacity 2 ltrs.		1
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8.2.12.13	Oven		1
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8.2.12.14	Furnace, Temp. range 0-1200°C		1
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8.2.12.15	High Vacuum Pump, Model - 4, JB Sawant Pvt. Ltd. Make.		1
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8.2.12.16	Other miscellaneous items such as Hydrometer, Thermometer, heating mantle, glassware, etc.		
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8.2.13. **Instrumentation.**

Instruments installed in the plant and various equipments such as Control Valves, Rotameters, Pressure Gauges, Level Gauges, Temperature Indicators/ Receivers, Digital Indicators, PRV, etc.

8.2.14. **Safety Items** Lot

Safety items such as Self Contained Breathing Apparatus, Safety Eye / Face Shower, Safety Goggle, Helmet, Emergency Kit Box for Chlorine Gas. Flame Arresters for Tank, Portable Fire Extinguishers, Fire Hydrant Points, Sprinkler for Benzene U/G Tank, Fire Hydrant Pump (Automatic) with motor, Double Flanged Sluice Valve, etc.



Sr. No	Name of the Equipment	Material of Construction	Qty. Nos.
8.2.15.	<b>Pipes &amp; Structural.</b>		
8.2.15.1	Pipe, Pipe Fittings, Valves in SS, MS, PP, etc.		Lot
8.2.15.2	Structural Steels & Chequer Plates.		Lot
8.2.16	<b>Insulation.</b>		
	Insulation of pipe line, tanks, reactors, etc. and cladding of the same.		Lot
8.2.17.	<b>Electrification</b>		
8.2.17.1	Electrification includes PCC, MCC, Control Panels, Distribution Boards, Busbar, Lighting of Plant & Street, CTPT Unit, Cable, Starter, Switches, FLP Fittings, etc.		Lot
8.2.17.2	Transformer, Capacity 2000 KVA, 33 KV / 433 V, Parry Eng. & Equipments Ltd. make.		
8.2.17.3	Diesel Generator, Capacity 650 KVA, Cummins make, along with accessories		

