

HOCL Procurement projection for next 5 years					
Materials					Service
Sl.No.		Major procurement (Rs)	Common Items(Rs.)	Total in Rs.(Lakhs)	Total in Rs.(Lakhs)
1	F&S	13,000,000	4,615,000	176.15	30.00
2	Instrumentation	22,900,000	10,890,000	337.90	600.50
3	Electrical	20,200,000	3,900,000	241.00	135.00
4	Civil		2,500,000	25.00	963.00
5	Mechanical	78,400,000	241,400,000	3198.00	1335.00
6	TSS	4,000,000		40.00	5.00
7	FPS	0	334,425,000	3344.25	1000.00
8	QC	12,000,000	1,500,000	135.00	30.00
9	P&A	7,500,000	5,400,000	129.00	4060.00
10	MSS	8,800,000	350,000	91.50	50.00
	Total Rs.	166,800,000	604,980,000	7717.80	8,208.50
11	Raw materials, catalyt and chemicals			185356.11	775.00
	Total (Materials+Raw materials)			193073.91	8983.50
	Total(Materials+Service)			202057.41	

Dept .	Type	Sln	DETAILED ITEM BREAKUP	Qty	Amount(Rs)	Total
CIVIL	Common items		Cement	3000 Bags	1,500,000	
			Structural/tor steel	20 Tons	1,000,000	2,500,000
F&S	Major procurement	1	Fire tender	1	13,000,000	13,000,000
	Common items	2	Foam concentrate	10,000 liters	1,200,000	
		3	Dry chemical powder (MAP)	3000 kg	120,000	
		4	Fire hose	50 numbers	250,000	
		5	Hydrant valves	20 numbers	300,000	
		6	Extinguishers (9kg DCP)	50 numbers	300,000	
		7	Safety shower with eye wash	25 numbers	325,000	
		8	SCBA	20 numbers	1,600,000	
		9	Fire truck tyres (10.00 - 20.00)	10 numbers	240,000	
		10	Oxygen indicator	4 numbers	140,000	
		11	Explosimeter	2 numbers	140,000	4,615,000
INST	Major procurement	1	Acid Analyser	2 Nos	7,000,000	
		2	Electronic Weigh Bridge	1 No	1,500,000	
		3	Filling Machines (Drum/ Carboy)	2 Nos	1,200,000	
		4	Gas Monitoring System	2 Nos	3,500,000	
		5	Oxygen Analysers	3 Nos	1,800,000	
		6	Hydrogen Analyser	1 No	600,000	
		7	PLC unit	2 Nos	3,000,000	
		8	Special type Level Transmitter	5 Nos	2,500,000	

		9	Flame Scanners	5Nos	1,000,000	
		10	Vibration Monitoring system	1 Set	800,000	22,900,000
	Common items	11	Flow Transmitters	30 N0s	1,000,000	
		12	Pressure Transmitters	20 Nos.	600,000	
		13	Level Transmitters	20 Nos.	600,000	
		14	Level Transmitters (Radar, Ultra sonic)	10 Nos	1,500,000	
		15	Control Valves (various sizes)	20 Nos.	1,000,000	
		16	Ball Valves with Actuators(various sizes)	15 Nos	750,000	
		17	Current to Pneumatic Convertors	20Nos	800,000	
		18	Pressure Gauges	60Nos	200,000	
		19	Temperature Gauges -	50 Nos	200,000	
		20	Air Pressure regulators-	50 Nos	100,000	
		21	PH Analyser	5 Nos	500,000	
		22	PH Electrodes	20 Nos.	100,000	
		23	ConductivityAnalyser	3 Nos	1,800,000	
		24	.Rotameters	10 Nos	300,000	
		25	Pressure switches	15 Nos	100,000	
		26	Temperature switches	10 Nos	80,000	
		27	Input/ Output Safe Barriers	20 Nos.	600,000	
		28	Trip Amplifiers	20 Nos.	600,000	
		29	RTD	15 Nos	30,000	
		30	Thermocouple with T/W	15 Nos	30,000	10,890,000
Elect	Major procurement	1	Lightning arresters	5 Nos	200,000	
		2	Current/Potential Transformers	2 Nos	100,000	
		3	Vacuum circuit breakers Retrofit	10 Nos.	3,000,000	
		4	MOCB	1 Nos	500,000	
		5	Protective Relays	5 Nos	200,000	
		6	110 V Lead acid battery bank	1 set	300,000	
		7	Emergency DG AMF panel	1 unit	400,000	
		8	Isolators	9 Nos	3,000,000	

		9	H.T capacitor banks	2 Nos	1,000,000	
		10	Transformer oil	5000 Ltrs	500,000	
		11	Energy efficient motors	10 Nos.	3,000,000	
		12	Air circuit breaker retrofit	5 Nos	1,000,000	
		13	Variable Frequency Drives-	5 Nos	1,500,000	
		14	Energy Meters	10 Nos.	100,000	
		15	UPS System with battery bank	1 set	3,000,000	
		16	Fire Alarm panel	1 set	400,000	
		17	EPABX	1 No.	1,000,000	
		18	Air conditioners	25 Nos	1,000,000	20,200,000
	Common items	19	Power/Control contactors	50 Nos	200,000	
		20	Fuse and Over load Relays	200 Nos	300,000	
		21	ELCB / MCBs and switches	200 Nos	300,000	
		22	20 W LED Tube Lights	2000 Nos	500,000	
		23	40/60/125W LED Fitting	200 Nos	800,000	
		24	Indication Lamps	1000 Nos	100,000	
		25	Ceiling fans	250 Nos	400,000	
		26	3/3.5 core Al armored Power cable	1000 Mtrs	100,000	
		27	Control cable	1000 Mtrs	1,000,000	
		28	Telephone cable	1000 Mts	200,000	3,900,000
TSS	Major procurement	1	Ambient Air Quality Monitoring System(On line)	2 Nos	4,000,000	4,000,000
QC	Major procurement	1	GAS CHROMATOGRAPH	4	10,000,000	
		2	UV- VIS SPECTROPHOTOMETER	1	800,000	
		3	TITRATORS	3	1,200,000	12,000,000
	Common items	4	OTHER MINOR INSTRUMENTS	Lot	1,500,000	1,500,000
P&A	Major	1	Surveillance Camera in different Locations		3,000,000	

	procurement					
		2	Vehicles		2,500,000	
		3	Security System Upgradation		1,500,000	
		4	Incinerator and Camera in Township		500,000	7,500,000
	Common items	5	Furniture and Office Equipment		1,500,000	
		6	Canteen Cooking System, Vessels and Furniture		3,000,000	
		7	Medical Equipments		400,000	
		8	Training Aids		300,000	
		9	Guest House Misc.		200,000	5,400,000
MSS	Major procurement	1	SERVERS	3	800000:	
		1	DESKTOP COMPUTERS	60	3,500,000	
		2	LASER PRINTERS	40	1,000,000	
		3	STORAG DEVICES	5	200,000	
		4	APPLICATION SOFTWARE(MICROSOFT OFFICE)	60	3,500,000	
		5	UTILITY SOFTWARES(AUTOCAD, ADOBE ,PHOTOSHOP ETC)	10	200,000	
		6	26AH UPS BATTERIES	200	400,000	8,800,000
	Common items	1	NETWORKING COMPONENTS(SWITCHES & MEDIA CONVERTERS)	50	100,000	
		2	LASER PRINTER CARTRIDGES OF VARIOUS MODELS	500	250,000	350,000

FPS	Common items	SI No	Item	Yearly Requirement	Cost per year (Rs)	Cost for five years (Rs)
		1	M S Drums	40,000	6,00,00,000	30,00,00,000
		2	Cap Seals	40,000	3,20,000	16,00,000
		3	30 Ltr Carbouys	30,000	60,00,000	3,00,00,000
		4	Printing various stationary for FPS	1,00,000	1,00,000	5,00,000
		5	Cap Sealing Pliers	8	24,000	1,20,000
		6	Lap top	1	45,000	2,25,000
		7	Desktop Computer	2	45,000	2,25,000

		8	Slotted ankle Racks	2	15,000	75,000
		9	Sample Bottles (Phe/Ace)	6,000.00	3,00,000	15,00,000
		10	Sample Bottles (H2O2)	1,200	36,000	1,80,000
					6,68,85,000	33,44,25,000

MEC H	Major procurement	1	FD Fan assembly with pulley - 1no		1500000.00	
		2	ID Fan assembly with pulley - 1no		2200000.00	
		3	Process water Pump - 1no.		500000.00	
		4	Fuel Oil Pump for package boiler-2nos		300000.00	
		5	Steam Flow meter		50000.00	
		6	Activated Carbon 0.25 to 1mm size (ACF 1&2) -8M³		600000.00	
		7	Resin Indion 225 (SAC 1& 2)-2780 Ltrs		600000.00	
		8	Resin Indion NIP (SBA 172) -2440Ltrs		600000.00	
		9	Resin Indion 225 (MB 1&2)-1200 Ltrs		600000.00	
		10	Resin Indion FFIP (MB 1&2)-1200Ltrs		600000.00	
		11	DM Water Pump -1no.		600000.00	
		12	Rubber Lined pipes and fittings		600000.00	
		13	Instrument air compressor with drier unit (1500m³/hr capacity)		10000000.00	
		14	Activated alumina drier - 1 -800kg		100000.00	
		15	Activated alumina drier - 2 -900kg		100000.00	
		16	Chlorinator Unit -1		150000.00	
		17	Side stream sand filter		500000.00	
		18	Clarified Water Pump-3nos		750000.00	
		19	Lines and Butterfly valves		5000000.00	
		20	Pond water pump-1no		2000000.00	
		21	P 6001 A & B Pump with Motor (LT)		10000000.00	
		22	Energy Efficient Pump for Clarified/DM/Raw Water Pump		1800000.00	
		23	Indigenization of Magnet Drive Lye Circulation Pump		300000.00	
		24	Various measuring Instruments		500000.00	

		25	Cooling Water Pump Lining		1050000.00	
		26	Refurbishment of Electrolyser B in Hydrogen Plant No.II		5000000.00	
		27	Workshop Machinery		900000.00	
		28	Condition monitoring instruments		2000000.00	
		29	Lye Circulation Pump		500000.00	
		30	Refractory Revamping of Hot Oil Heater (including specialist service by EIL)		10000000.00	
		31	Replacement of Heat Exchangers / Pressure Vessels		12000000.00	
		32	Providing Standby Heat Exchanger for Tar Column Reboiler		2000000.00	
		33	Safety valve replacement		4000000.00	
		34	Rupture disc		1000000.00	78,400,000
MEC H	Common items	1	Insulation material		3600000	
		2	Pipes & Tube Fittings		15000000	
		3	Valves		15000000	
		4	Pump Spares		5000000	
		5	Diesel Engine Spares		2000000	
		6	Cooling Tower Spares		2500000	
		7	Elliot Compressor Spares		5000000	
		8	Luwa Evaporator Spares		2000000	
		9	Fire Hydrant/Sprinkler/Eye Wash		5000000	
		10	Fire Tender/ Crane/ Forklift/Vehicles spares		1500000	
		11	Boiler Spares (Tubes etc.)		2000000	
		12	DM Plant PTP Spares		1000000	
		13	Hot Oil Section Spares		6500000	
		14	Hydrogen Plant Spares (Electrolyser)		10000000	
		15	Reciprocating Compressor Air/H ₂ /NH ₃		4000000	
		16	Mechanical Seals		12000000	
		17	Tools & Tackles		600000	

		18	ETP Spares		2500000	
		19	Bearing		800000	
		20	Fasteners & Gaskets		8000000	
		21	Hoses		1500000	
		22	Structural items & Rods		2500000	
		23	Welding Electrodes & Wires		2500000	
		24	Consumables		4000000	
		25	Static Equipments & Spares		10000000	
		26	Copper Tubes & Fittings		1000000	
		27	Agitators		300000	
		28	Steam Traps		800000	
		29	Measuring Instruments		500000	
		30	CPP Spares		5000000	
		31	PSV & Spares		2000000	
		32	Coupling & V Belts		800000	
		33	Scaffolding Materials		800000	
		34	Filters for H ₂ O ₂		1500000	
		35	Rupture Disk for H ₂ O ₂		1000000	
		36	Expanded PTFE Gaskets		800000	
		37	Refractory Materials		10000000	
		38	Static Equipments (H ₂ O ₂)		1500000	
		39	Rotary Equipments		2500000	
		40	Heat Exchanger Spares		1500000	
		41	Heat exchanger tubes CS		8500000	
		42	Heat exchanger tubes SS		5000000	
		43	Tray for Column		3000000	
		44	Plate Heat Exchanger Spares		1000000	
		45	Contingencies		5000000	
		46	Lube Oil for CPP Engines		3000000	

10 Procurement

65000000

241,400,000

				For one year	For one year	For 5 years
MAT	Common items	SL NO	ITEM	QTY(MT)	VALUE	VALUE
		1	BENZENE- 3600 X 12	43200	1,812,024,000.00	9,060,120,000.00
		2	LPG -75 X12 X 30	27000	1,192,104,000.00	5,960,520,000.00
		3	LNG In MMBTU -2000 X12 X30	720000	486,000,000.00	2,430,000,000.00
		4	HYDROGEN in NM3	6000000	156,000,000.00	780,000,000.00
		5	NITROGEN In NM3	720000	11,541,600.00	57,708,000.00
		6	HOT OIL	10	7,000,000.00	35,000,000.00
		7	SPA CATALYST(FOR 2 REPLACEMENTS)	80	40,000,000.00	80,000,000.00
		8	CAUSTIC	500	12,450,000.00	62,250,000.00
		9	SULPHURIC ACID	500	3,500,000.00	17,500,000.00
		10	2MCA	9.5	2,802,500.00	14,012,500.00
		11	2EAQ	3	6,000,000.00	30,000,000.00
		12	SOLVESSO	20	1,700,000.00	8,500,000.00
						18,535,610,500.00

Average price for the year 2019-20 is taken for Benzene and LPG
For balance items ,last purchase price is taken

CIV	Services		Factory			
		1	Premonsoon maintenance works in plant and non plant areas		10.00	
		2	Repairs to RCC structures		25.00	
		3	Resurfacing of roads		100.00	

		4	Painting of buildings		100.00	
		5	Painting of structural steel members (epoxy coating)		50.00	
		6	Replacing damaged barbed wire fencing around explosive licenced areas		30.00	
		7	Remetalling of road to flare stack		5.00	
		8	Remetalling of road to pond area		15.00	
		9	providing acid proof tiles in plant area		10.00	
		10	Providing concrete tiles		40.00	
		11	Construction of new compound wall to the acquired land		60.00	
		12	Construction of road from pond to stormwater disposal area		30.00	
		13	Road along inside periphery of compound wall		70.00	
		14	construction of shed and foundation of compressor		15.00	
		15	construction of surface tank in township		20.00	
			Township			
		16	Repairs of water line in township		20.00	
		17	Repairs of waste water line in township		10.00	
		18	Repairs of water line from company to township		50.00	
		19	Cleaning of over head tank		3.00	
		20	Resurfacing of roads		50.00	
		21	Painting of quarter, community hall and overhead water tank		100.00	
		22	Replacing damaged barbed wire fencing over the compound wall		5.00	
		23	Painting of car sheds and scooter sheds		20.00	
		24	Miscellaneous Civil maintenance works in plant and non plant areas 2018-2019		75.00	

		25	Miscellaneous Civil maintenance works in HOC Township 2018-2019		50.00	963.00
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MEC H	Services	1	Painting		400.00	
		2	Fabrication & Machining		20.00	
		3	Statutory Inspection (Sphere inspection + allied jobs)		25.00	
		4	Scanning of Old Traceable		10.00	
		5	Works Contract		700.00	
		6	Insulation, wrapping and coating		65.00	
		7	Thickness Survey		25.00	
		8	Refractory repair work in Boiler		20.00	
		9	AMCs		50.00	
		12	Other Revenue Expenditure		20.00	1335.00

P&A	Services		Security-plant		1000.00	
			Canteen		1500.00	
			House keeping-plant		200.00	
			Unskilled labour supply		500.00	
			Skilled labour supply		200.00	
			Grass cutting		200.00	
			Security-Township		200.00	
			House keeping-Township		200.00	
			Vehicle hiring		60.00	4,060.00

INST	Service		Boiler DCS		99.00	
			H2O2 DCS		195.00	
			Main plant DCS		250.00	
			AMC Drum filling		10.00	
			AMC Carbouy filling		5.00	
			PRU Cable		3.00	
			AMC Weigh bridge		2.00	
			AMC Massflowmeter fixing		1.50	
			Calibration Test Instruments		3.00	
			Calibration Massflowmeter		2.00	
			Maintenance contract shutdown		30.00	600.50

MSS			AMC HARDWARE	5	25.00	
			soft	5	25.00	50.00