

NAME OF ORGANISATION WEBSITE LINK MINISTRY/DEPT		INDIAN OIL CORPORATION LIMITED https://iocl.com MoPNG		Available at "Indianoil for Suppliers/Future procurement plan	
FINANCIAL YEAR 2024-25					
Capex Procurement Projected _ Refineries					
Sl. No.	Description of item	Broad specification Parameters	Quantity	Accounting Unit	Estimated Value of procurement in Rs/Crores
1	Vessels/Drums/Tanks		427	Nos.	342.39
2	Pumps		898	Nos.	512.08
3	Reactors		64	Nos.	299.32
4	Column/Column Internals/Column Modification		117	Nos.	381.85
5	Heat Ex/Air coolers/Fin Fan Coolers		486	Nos.	692.93
6	Filters		1	Nos.	0.08
7	Instrumentation items (DCS, PLC, Analyser,,sensors,, Flowmeter,Transmitter etc.)		LOT	LOT	71.05
8	Instrument Cables		LOT	LOT	27.44
9	Electrical Items (Transformer, Switchboard,Switch gears, HV/MV Boards,Motors,Hoist,PFIC Panel,VFD,Genset)		LOT	LOT	69.40
10	Electrical Cables		LOT	LOT	45.94
11	Compressors/Blowers/Fans		38	Nos.	354.86
12	Heaters & Stacks		29	Nos.	409.20
13	Bulk (Pipe/Fittings/Flanges/Valve)		LOT	LOT	193.72
14	Package Items(HVAC,ETP,Refrigeration,Cooling Tower,DI Guard,Chlorine Injection,Chemical Injection,Side Stream Filter,Ethylene BOG,TEG Borelling,Flare,Communication Mgmt Sytem,Nitrogen Cooling System,Control Monitoring System,Ambience Air Monitoring system,PCK metering Skid,Cathodic Protectin System,FDAS system,CCTV,Custody Transfer Metering Skid,Clean Agent System)		LOT	LOT	1735.93
15	Fire Fighting system/equipment/package , Foam Concentrate, Manual & Remote Operated High Volume Longe Range Monitor with Accessories		LOT	LOT	10.00
16	Incinerator & Instr. Components		-	Nos.	-
17	Mech items :EOT Crane,Forklift,Weigh Bridge,Industrial Lift,Belt & Screw conveyors/Dock leveller		16	Nos.	2.00

18	Steam Turbine		1	Nos.	50
19	Rotary Valves/Safety Valves/Control Valves/On-off Valves/Emergency Vent Valves/Shutdown Valves		LOT	LOT	4.72
20	Mixers & Agitators		35	Nos.	226
21	Driers		-		-
22	Separators		-		-
23	Boiler		-		-
24	Lab Equipment		-		-
25	Pig Launcher & Pig Receiver		-		-
26	Marine Loading Arm		-		-
27	Inert Ceramic balls		-		-
28	Sample Coolers (PI) & Sample Bombs (PE)		-		-
29	Mounded Bullet		5	Nos.	66
30	Spare Components (Compressor/Pumps/Feed Coalescer)		LOT	LOT	10.82
31	Miscellaneous items (including FR approved project)		LOT	LOT	826.89
32	API 610 Centrifugal Pump		4	No.	25
33	Venturi type Steam Trap		8	Nos	1
34	Bottom mounted constant spring support		24	Nos	2.3
35	CLARIANT OleMax 101 (8mm Spheres)		62588	Kgs	45
	Support Balls (Ceramic/Alumina) - 12 mm Size		5460	Kgs	
36	Treater Adsorbent		1	Lot	12
37	Chloride Guard Bed Adsorbent		1	Lot	0.72
38	Dryer treater Adsorbent		1	Lot	8
39	Automatic Storage & Retrieval System for Petrochemical Warehouse		1	Set	198
40	Burner for Process heaters		4	Set	30
41	Oxygen Analyser		3	Nos.	1
42	Plant Lift (Hazardous area & Flameproof)		1	No.	5
43	H2S Analyser, H2/COS Analyser		1	No.	2
44	H2S Analyser in Sulphur recovery Tail Gas Analyser in Sulphur recovery unit Analyser in Stack & Ambient air quality measurement for Sox		1	No.	2.5
45	Water Quality Analyzers like COD, BOD, Turbidity, TOC.		14	Nos.	5
46	Vibration Monitoring System		2	Nos.	5
47	Analyser in Stack & ambient air quality measurement for PM2.5 /		2	Nos.	0.1

	PM10				
48	Bagging and Pelletizing Plant		4	Nos.	35
49	Check Valves (exotic metallurgy, dual plate, swing type, duplex)		14	Nos.	1
50	Reactor Internals (of Proprietary profile wire and baffle with MOC - SS 347 for PX-PTA Expansion project, Panipat)		1	Lot	0.5
51	BALL VALVES of Duplex, Alloy 276		50	Nos.	3.5
52	Know-how, Process Package, Proprietary Equipment (if any) and other services for the Bitumen Manufacturing Unit		2	No.	32
53	Gas Chromatograph		1	No.	1.60
54	EXTRUSION AND PELLETIZING UNIT (22-PK-3851)		1	Package	120
55	Supply of License, Basic Engineering Design Package, Catalyst(s), Proprietary Items (if any) and Other Services for Cracked LPG (CR LPG) Treater Unit at Panipat Refinery		1	Package	16.79
56	Steam turbine driven (single stream) Air Blower package (412-K-1001) along with accessories, auxiliaries, control panel(s), all instrumentation and controls, mandatory spares, commissioning spares and special tools & tackles.		1	Package	135
57	Supply of "License Know How, Basic Design Engineering Package (BDEP) and assistive services for Maleic Anhydride (MAH) based Butane Diol-Tetrahydrofuran (BDO-THF) unit at Panipat Refinery & Petrochemical Complex, Panipat"		1	Package	178.49

Procurement Projected - For Repair & Maintenance of Refineries

Sl. No.	Description of item	Broad specification Parameters	Quantity	Accounting Unit	Estimated Value of procurement in Rs/Crores
1	Pump Spares			Lot	49
2	Mechanical Seal Spares			Lot	58
3	Bearings			Lot	5
4	Turbine Spares			Lot	119
5	Steam Engine Spares			Lot	1
6	Furnace Spares			Lot	15
7	Compressor Spares			Lot	62
8	Fan & Blower Spares			Lot	7
9	Agitator & Mixer Spares			Lot	2
10	ETP, LPG Plant Equipment Spares			Lot	12
11	Air Conditioner Spares			Lot	2

12	Heat Exchanger Spares			Lot	47
13	Column/ Reactor Spares			Lot	35
14	Pipe & Pipe Fittings			Lot	130
15	Gear Box Spares			Lot	9
16	Motor Spares			Lot	4
17	Transformer, Battery, Switch Gear, Cable, Lamp etc. Spares			Lot	82
18		Liquid oxidation Catalyst for spent caustic regeneration	1.5	MT	2.18
19		Anti Oxidant (AO 1010) Pentaerythritol tetrakis(3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate)	980	MT	36.42
20		Anti Oxidant AO 168/ AO9	1565	MT	38.10
21		AO1076 (Octadecyl β - (3,5-di-tert-butyl-4-hydroxy phenyl)-propionate	96	MT	3.8
22		ATF Merox Catalyst - Pre impregnated activated charcoal	36	M ³	0.81
23		Benzene hydrogenation catalyst for ISOM unit	2.1	MT	2.55
24		CAB catalyst	16	MT	2.65
25		CAB-2 catalyst (Blend of vanadium oxytrichloride & titanium tetrachloride 50/50)	31	MT	4.65
26		Carbon Monoxide (CO) promoter catalyst additive for FCC Unit	16	MT	5.87
27		Catalyst for DCU LPG Merox Unit	547	L	0.28
28		Hindered amine light stabilizer (HALS) - Chimassorb 944	9	MT	0.93
29		Claus Catalyst (Al based)	151.2	M ³	1.45
30		Claus Catalyst charge for Sulphur Recovery Unit (SRU)	22	M ³	0.71
31		Chloride guard adsorbent for Continuous Catalytic Reforming Unit (CCRU) stabilizer feed	30.5	MT	0.9
32		2-Hydroxy-4-n-octoxybenzophenone (Cyasorb 531/ UV-1)	6	MT	0.75
33		Cyclo-Hexyl Methyl Methoxysilane (DONOR C)	33	MT	3.19
34		Di-ICyclo-Pentyl-Di-Methoxy-Silane (DONOR D)	3	MT	1.21
35		Slip additives (Erucamide)	110	MT	4.7
36		Ethylene drying and CO2 removal bed (Adsorbant)	8	MT	0.37
37		Ethylene drying and CO2 removal bed (Foxed) for PP Unit	3	MT	0.43
38		Fluidized Catalytic Cracking Catalyst	4435	MT	139

39	Chemicals, Catalyst & additives	Grease (VASELINE)	27	MT	0.72
40		Hydrotreating and Hydrocracking catalyst for Hydrocracking unit	320	MT	80.25
41		Hydrotreating Catalyst for DHDT unit	478	MT	80.4
42		ISOM catalyst	24	MT	35
43		Liquid oxidation Catalyst for spent caustic regeneration	1.59	MT	2.18
44		Low temp. hydrogenation catalyst (Tail Gas Treatment Unit)	21.57	MT	1.77
45		Molecular sieves-desiccant (sodium-potassium-alumino silicate)	47.6	MT	1.25
46		Optical brightener	1	MT	0.62
47		PEPQ (Phosphorous trichloride, reaction products with 1,1-biphenyl and 2,4-bis(1,1-dimethylethyl)phenol) (secondary antioxidant)	186	MT	19.80
48		Peroxide-101 (2, 5 Dimethyl-2,5-di (tert-butyl-peroxy) hexane)	92	MT	8.91
49		PG/Pelargonic acid/ C8-C10 fatty acid	330	MT	9.50
50		PP Catalyst. A composition of Magnesium Chloride and 1,2 Benzenedicarboxylic acid, 1,2 Bis[2-chloro-1- (chloromethyle)ethyl] ester.	7.5	MT	24.20
51		PPA (Polymer Processing Additive)	40	MT	5.29
52		Propylene drying and CO2 removal bed for PP unit (Fixed bed)	9	MT	0.24
53		Silica gel-desiccant (Compound of Silicon dioxide)	187	MT	4.30
54		T Fuel & U-Fuel for analysis of Cetane number	3690	Ltr	0.91
55		UV stabilizer 622	150	MT	8.80
56		ZN-180M (Avant CATALYST) or equivalent	240	Kg	0.75
57		ZSM-5 catalyst	100	MT	8.74
58		Primary Reference Fuel (PRF) {ISO-Octane & n heptane}	880	Kg	0.11
59	ATF (Aviation Turbine fuel) Merox catalyst - Pre impregnated activated charcoal	36	M ³	0.81	
60	DSTDP (distearyl thiodipropionate) - acts as a secondary antioxidant for PP polymers.	65	MT	2.30	

61	Speciality Grease - Mixture of higher paraffin hydrocarbon used as catalyst protection in Spheripol PP technology for production of Polypropylene.	15	MT	0.40
62	Magnesium Aluminium Hydroxide Carbonate Hydrate (DHT 4A/Hycite 713) -used in reaction for acid scavenging in polymer production and processing systems.	85	MT	1.80
63	Alkyl Amine Ethoxylate (ATMER 163) - for neutralization of Catalyst & Co catalyst and works as anti- static agent.	107	MT	5.06
64	Anitoxidant AO 3114(1,3,5-Tris(3,5-di-tert-butyl-4-hydroxy benzyl)-s-triazine-2,4,6-(1H,3H,5H)trione) - specialized vis- breaking chemical used for speci fic PP grade	28	MT	1.33
65	Non-Aromatic catalyst batch mineral oil (MINERAL OIL) - used for diluting Donor in order to have better accuracy of the flow measure and also used for flushi ng in TEAL area.	70	MT	1.45
66	HDPE consumable polymerization Catalyst - used for polymerization reaction for production of specific grade of High density polyethylene from Ethylene	8	MT	21.60
67	Antioxidant (AO-1330) - prevents polymer from degradation caused by exposure to heat, ultraviolet radiation (UV) and mechanical shear	46	MT	4.8
68	Desiccant for ethylene guard bed (Fixed bed for ethylene purification) - used for removal of Carbon monoxide, carbon dioxide, moisture from Ethylene feed in Swing unit to Ultra low levels.	63	MT	3.35
69	ST65692 (Biphenyl) -approved additive Packages required for manufacturing of Servo Duotherm S required at Panipat Refinery	60	MT	1.20
70	Mixed Butylated Phenol Antioxidant (ST4064) - used in blending in many lubricants	87.3	MT	1.66
71	Hydrogenated Terphenyl (ST58606) -approved additive Packages required for manufacturing of Servotherm	304	MT	9.09

		SHT 32 required by IOCL Refinery.			
72		TEAL	18	MT	0.72
73	Mechanical Stores	Cast Air Preheater Module / Cast & Glass Air Preheater Modules / Glass Air Pre-Heater Modules	1	No	1.18
74		Cutter Blades of Extruder	1600	No	2.19
75		Hydrogen Tubular Reformer Catalyst Tubes	36	No	3.61
76		Rotary Tight Shut off Valve	4	No	0.60
77	Chemicals, Catalyst & additives	CD (Di- ethyl aluminum chloride)	30	MT	1.12
78	Chemicals, Catalyst & additives	CJ (Di- ethyl aluminum ethoxide)	30	MT	2.56
79	Chemicals, Catalyst & additives	GMS-90	250	MT	3.3
80	Chemicals, Catalyst & additives	Base FCC catalyst for INDMAX Unit.	1170	MT	34.5
81	Chemicals, Catalyst & additives	DMDS	665	MT	21.81
82	Chemicals, Catalyst & additives	RM 68 Master batch	110	MT	9.52
83	Equipment	Feed Filter Bank	2	No	22.00
84	Chemicals, Catalyst & additives	MIBK (METHYL ISOBUTYL KETONE)	700	MT	20
85	Mechanical Stores	Radiant Coils	2	Set	34.78
86	Chemicals, Catalyst & additives	Hydrogenation Catalyst (Activated Alumina impregnated with Cobalt and Molybdenum Oxides).	52.3	M3	2.54
87	Chemicals, Catalyst & additives	Liquid oxidation catalyst for FCC Indmax Unit	555	Kg	0.75
88	Lab equipment	Fully Automated Ball on Cylinder Lubricity Evaluator (BOCLE)	2	No.	1.79
89	Lab equipment	Trace Nitrogen Sulphur Analyser	1	No.	1.21
90	Chemicals, Catalyst & additives	Hydro treating catalyst for DHDS Unit	56	MT	6.04
91		ISO-Octane	48	MT	1.06
92	Chemicals, Catalyst & additives	Mineral Oil (White Oil)	205	MT	5.64
93	Chemicals, Catalyst & additives	Methanol	14400	MT	63.13
94	Chemicals, Catalyst & additives	Poly Propylene Catalyst	7.5	MT	24.90
95	Chemicals, Catalyst & additives	PD/ 2,4 Pentane dione	220	MT	10.98
96	Service	Assay analysis of Fresh & Spent catalyst	2	No.	0.63
97	Service	Benchmarking Study	1	No.	0.44
98	Equipment	Slide Valve Actuators for RFCCU	1	No.	6.65
99	Equipment	Coke cutting system for delayed Coker unit	4	Nos.	1.47
100	Chemicals, Catalyst & additives	ISOM Catalyst for MSQ Unit-BR Inert Ceramic Ball	22000 Kg + 0.8 M ³		27.23
101	Chemicals, Catalyst & additives	BENSAT Catalyst- BR and Inert ceramic Ball	1434 Kg + 0.5 M ³		2.23

102	Lab equipment	Total Chloride, Nitrogen and Sulphur Analyser	1	No.	0.87
103	Lab equipment	Automated High Frequency Reciprocating Rig Lubricity Evaluator (HFRR) Lubricity Apparatus	1	No.	1.14
104	Chemicals, Catalyst & additives	BENSAT Catalyst	2.308	MT	2.72
105	Specialty Service	Assessment of Coke drums bulge severity based on Laser profile data at Gujarat Refinery.	1	No.	0.22

Procurement Projected _ Capex and Repair & Maint - Pipelines

Sl. No.	Description of item	Broad specification Parameters	Quantity	Accounting Unit	Estimated Value of procurement in Rs/Crores
1	Strainer (Nos)		7	Nos.	0.12
2	Transfer Pump (Nos)		2	Nos.	0.15
3	ACDB Panel (Nos)		25	Nos.	3.18
4	API 6D Ball Valves (Nos)			Nos.	
5	API 6D Valves (Nos)			Nos.	
6	Ball Valve (Nos)		164	Nos.	8.61
7	Basket Strainer (Nos)		3	Nos.	1.00
8	Control valve (Nos)		4	Nos.	1.00
9	EEE (Nos)			Nos.	
10	Emergency evacuation equipment (Nos)		4	Nos.	2.00
11	Engine Spares		Lot	Lot	14.70
12	ER Probe(Nos)			Nos.	1.04
13	F/F PUMP, Jockey pumps, water filling pumps(Nos)		7	Nos.	0.70
14	Fire Fighting Pipes (km)			Km	
15	Fire Fighting Pump (Nos)		1	Nos.	1.00
16	Flow Tee (Nos)			Nos.	
17	Globe Valve (Nos)		4	Nos.	1.00
18	Heavy duty access Mats				
19	High Mast(Nos)		10	Nos.	3.03
20	HOT crane (Nos)		2	Nos.	1.00
21	HT Capacitor Panel(Nos)		2	Nos.	0.29
22	HT Panel(Nos)		2	Nos.	2.89
23	HT/LT/Control cables(km)		85	Km	0.58
24	Instrumentation, Control & SCADA System (Nos)		3	Nos.	1.49
25	Insulating coupling (Nos)		20	Nos.	1.00

26	Jockey pump (Nos)		1	Nos.	1.00
27	LT DG(Nos)		27	Nos.	0.64
28	LT Panel(Nos)		2	Nos.	0.00
29	Mainline pumping Unit (Nos)		8	Nos.	23.00
30	Marine Hoses for SPM			Nos.	9.00
31	Mechanical Pipe End connector+ Standard/Long seal Leak clamps+ Encapsulating Leak Clamps			Nos.	1.05
32	Metering skid assembly (consisting of Filtration, Metering and Pressure Reduction units) of various sizes for providing connectivity to CGD Entities from Gas pipelines and augmentation of existing facilities (Nos)		4	Nos.	1.01
33	Metering Skid Ph-III(Nos)				
34	Metering Skid(Nos)				
35	Misc. fire fighting equipment (Nos)		1	Nos.	2.00
36	NRPL Mainline pumping unit Replacement			Nos.	20.00
37	Other Marine Spares			Nos.	6.30
38	pipe fitting(Nos)		14000	Nos.	1.87
39	Pipe (km)		6.8	Nos.	6.12
40	Remote operated Valve (Nos)		2	Nos.	1.00
41	Scraper Barrel		5	Nos.	1.00
42	Separator Filter (Nos)			Nos.	
43	Small size (<4") misc. valve (Nos)			Nos.	1.00
44	SRV (Nos)		1	Nos.	0.05
45	Station pipes(km)		13.3	Nos.	13.74
46	Steel Pipe (KM)		550	Km	519.00
47	Steel Plate (MT)		569	Nos.	5.80
48	sump pump and tank (Nos)			Nos.	
49	Swing check valve (Nos)		5	Nos.	1.00
50	Telecom System (comprising of DC power, Networking system, CCTV system, Telephone system, OFC, HDPE, etc.)(Nos)		3	Nos.	75.80
51	Transformer(Nos)		4	Nos.	24.88
52	Vadinar SPM Replacement project 1. Buoy & accessories 2. Concrete Coated Pipe		Lot	Nos.	500.00
53	Valves		Lot	Lot	4.00
54	VALVES of all types(Nos)		332	Nos.	3.48

55	VFD (Nos)		6	Nos.	20.00
56	Coke cutting system for delayed Coker unit		4	Nos.	1.46
57					
Procurement Projected _ Marketing - LPG Group					
Sl. No.	Description of item	Broad specification Parameters	Quantity	Accounting Unit	Estimated Value of procurement in Rs/Crores
1	LPG Pump		6	Nos.	3.7
2	LPG Compressor		9	Nos.	2.84
3	Air Compressor		6	Nos.	0.8
4	Air Dryer		3	Nos.	0.45
5	DG Set		6	Nos.	2.22
6	Fire Engine		6	Nos.	1.35
7	Valve change without Evacuation Machine		6	Nos.	1.4
8	LPG Loading arm		16	Nos.	0.44
9	Carousel		8	Nos.	23.6
10	Computers		50	Nos.	0.25
11	Additive dosing machines		30	Nos.	5.4
12	Carousal Cards in Nos.		380	Nos.	2.66
13	Mech Seals (Refurbishing) Nos.for LPG Pump		95	Nos.	2.85
14	Mech Seals New in Nos. for LPG Pump		25	Nos.	2.00
15	Valves / Flanges / Gaskets / Spares in Nos.		300	Nos.	7.50
16	Cables (Control / Power) in RMs		30000	Nos.	0.45
17	Pressure / Temp Transmitters/Gauges in Nos.		200	Nos.	2.00
18	Fire Engine / DG / DC Batteries in Nos.		3300	Nos.	4.95
19	Conveyor Chain in RM		40000	Nos.	4.80
20	Air Ends of Screw Compressors		40	Nos.	2.00
21	Spares (Filters & Accessories) Air Comp in Nos.		500	Nos.	1.25
22	LPG Vap Comp Seals / valves / Plates		300	Nos.	0.90
23	Lights and Fixtures / Bulbs / glands / JB's / Switches		10000	Nos.	1.00
24	Relays / Fuses		5000	Nos.	1.00
25	Printer Cartridges		600	Nos.	0.30
26	Sprockets / Cylinders / Shafts / wearing strips / Pneumatic tubing / connectors		20000	Nos.	4.00
27	Misc Spares /Car (sensors / connectors / cables etc)		200	Nos.	2.00

28	TLD / TLF Spares		800	Nos.	2.00
29	Structural steel for Conv / Misc Works in MT		420	Nos.	1.60
30	Diesel / Fire Engine Spares / filters / glands		700	Nos.	4.9
31	Spares for Level gauges / transmitters		300	Nos.	3
32	Fire / SCADA / GMS Panel Spares / MIMIC / sensors / transmitter		300	Nos.	1.5
33	CCTV spares / modules		100	Nos.	1.5
34	Load cells for weigh bridges / weighing scales / carousals		1000	Nos.	2.5
35	Centering Arms of carousals		2500	Nos.	0.30

Procurement of LPG Cylinders & P Regulator

Sl. No.	Description of item	Broad specification Parameters	Quantity	Accounting Unit	Estimated Value of procurement in Rs/Crores
1	14.2 Kg Cylinders (Including New & Replacement)		8400000	Nos.	1070.69
2	19 Kg Cylinders (Including New & Replacement)		900000	Nos.	140.04
3	47.5 Kg Cylinders (Including New & Replacement)		50000	Nos.	19.26
4	5 Kg Cylinders (Including New & Replacement)		1500000	Nos.	130.01
5	425 KG Cylinders		2000	Nos.	13.17
6	Pressure Regulators		5000000	Nos.	72.44
7	Self Closing Valve		20000000	Nos.	168.00

Procurement Projected _ Marketing - Lubes

Sl. No.	Description of item	Broad specification Parameters / Alternate	Quantity	Accounting Unit	Estimated Value of procurement in Rs/Crores
1	Synthetic base oil Poly alfa olefin 6 CST		460	MT	12.18
2	ST5014 (Lithium Hydroxide Monohydrate)		275	MT	15.79
3	ST56058 (PIB 1000)		2140	MT	21.78
4	Synthetic base oil Poly alfa olefin 100 CST, PAO 100(ST 55580)		228.5	MT	8.17
5	PIB of higher molecular wt.(ST 56032/ST 56036)		208.8	MT	3.33
6	Synthetic base oil Poly alfa olefin 4 CST, PAO 40(ST 55578)		255.1016	MT	8.39
7	1245	1244	14.44	MTs	0.60
8	1410	1414	267.12	MTs	6.68
9	1415	1415/1417/1418	240.24	MTs	5.10
10	1419		1.05	MTs	0.02
11	1504		10.50	MTs	0.40
12	1539	1244	5.45	MTs	0.27

13	1567	1526	273.84	MTs	7.56
14	1604	1490	1,413.93	MTs	27.76
15	1623	1617	1,501.50	MTs	33.06
16	1658	1659	3,150.00	MTs	67.47
17	1660	1678	828.45	MTs	18.24
18	1685	1617/1772+4574	11.06	MTs	0.31
19	1708		5.04	MTs	0.37
20	1722		4.54	MTs	0.24
21	1724		147.82	MTs	3.68
22	1734	1732	847.34	MTs	17.68
23	2010		10.29	MTs	0.20
24	2034		25.63	MTs	0.33
25	2120	2118	16.17	MTs	1.04
26	2130	2098	10.50	MTs	1.03
27	3002		1,873.46	MTs	26.15
28	3006		9.18	MTs	0.09
29	3008		102.54	MTs	1.37
30	3010		32.72	MTs	0.72
31	3012		481.79	MTs	5.16
32	3028		28.91	MTs	0.89
33	3039		3.57	MTs	0.03
34	3066		5.85	MTs	0.39
35	3084		41.66	MTs	2.06
36	3088		0.53	MTs	0.01
37	3090		11.97	MTs	0.31
38	3098		7.09	MTs	0.97
39	3514		1,365.00	MTs	18.34
40	3544		180.60	MTs	1.89
41	3554		98.02	MTs	1.69
42	3558		128.10	MTs	2.06
43	3570		158.38	MTs	2.09
44	3572		28.98	MTs	0.21

45	3574		1,575.00	MTs	15.80
46	3575		123.89	MTs	1.36
47	3580		0.53	MTs	0.87
48	4025		5.25	MTs	0.22
49	4027		1.05	MTs	0.02
50	4047		0.13	MTs	0.02
51	4058		4.66	MTs	1.32
52	4064		153.28	MTs	2.83
53	4096		77.28	MTs	1.75
54	4098		4.70	MTs	0.20
55	4529	4542	199.50	MTs	10.48
56	4543		6.30	MTs	1.89
57	4556		21.95	MTs	3.96
58	4587		0.27	MTs	0.01
59	5012		4.73	MTs	0.02
60	5014		299.41	MTs	20.67
61	5016		2.63	MTs	0.01
62	5021		5.25	MTs	0.06
63	5028		1.89	MTs	0.07
64	5044		163.80	MTs	1.55
65	5060		113.64	MTs	0.77
66	5067		52.50	MTs	1.39
67	5080		0.84	MTs	0.02
68	5082	5076	157.50	MTs	3.75
69	5516		1.58	MTs	0.01
70	5522		141.56	MTs	4.17
71	5523		0.34	MTs	0.03
72	5534		2.36	MTs	0.10
73	5560		4.97	MTs	0.05
74	6001		3.68	MTs	0.21
75	6011		96.84	MTs	3.01
76	6012		123.85	MTs	3.59

77	6017	6038/6102	7.32	MTs	0.18
78	6051		383.85	MTs	17.03
79	6084	6082	97.02	MTs	1.24
80	6100	6037	213.33	MTs	9.01
81	6102	6038/6017	443.76	MTs	6.31
82	6202		10.50	MTs	0.30
83	6210		5.04	MTs	0.31
84	6218		1.05	MTs	0.04
85	6548		18.38	MTs	0.78
86	6552		48.69	MTs	2.33
87	6554		1.29	MTs	0.07
88	6566		53.10	MTs	1.92
89	6590		0.38	MTs	0.03
90	7014		0.53	MTs	0.02
91	7024		0.42	MTs	0.11
92	7029		0.42	MTs	0.02
93	8002		36.12	MTs	2.14
94	8014		48.30	MTs	1.56
95	8038	80381	4.93	MTs	0.31
96	8052		1.58	MTs	0.02
97	8072		0.53	MTs	0.01
98	8075		29.40	MTs	0.40
99	8089		14.70	MTs	1.06
100	8102		0.63	MTs	0.01
101	8121	8133/8120	661.71	MTs	11.18
102	8138		29.55	MTs	1.13
103	8153		0.21	MTs	0.01
104	8171		4.19	MTs	0.02
105	8194		63.00	MTs	1.57
106	8528		0.53	MTs	0.90
107	8540		1.58	MTs	0.17
108	8560		7.78	MTs	0.07

109	40621	4062	47.28	MTs	1.60
110	55901	5590	2.27	MTs	0.09
111	56036	56032	264.60	MTs	3.44
112	56058		2,551.50	MTs	29.60
113	65548		0.84	MTs	0.02
114	65562		128.10	MTs	1.54
115	65646	65684/65682	94.50	MTs	1.74
116	65654	65684/65682	50.40	MTs	0.91
117	1050		23.81	MTs	2.75
118	1256		0.39	MTs	0.01
119	1300		2.33	MTs	0.13
120	1304		28.55	MTs	1.02
121	1350		108.87	MTs	3.37
122	1414		163.76	MTs	4.33
123	1418	1296	13.06	MTs	0.55
124	1426		10.58	MTs	0.27
125	1427		45.28	MTs	1.15
126	1431		2.25	MTs	0.10
127	1436		3.44	MTs	0.21
128	1442		1.25	MTs	0.08
129	1453		43.70	MTs	1.80
130	1468		175.64	MTs	5.51
131	1475		1,390.60	MTs	30.78
132	1477		6.51	MTs	0.21
133	1478		11.53	MTs	0.27
134	1482		44.57	MTs	1.54
135	1490	1604	96.25	MTs	2.19
136	1492	1474	377.23	MTs	12.57
137	1496		4.27	MTs	0.34
138	1500		17.55	MTs	0.63
139	1505		77.40	MTs	2.21
140	1512		1.70	MTs	0.05

141	1516		22.09	MTs	0.63
142	1527	1242	12.60	MTs	0.96
143	1541		2.74	MTs	0.08
144	1545	1599/1613	368.21	MTs	7.67
145	1546		574.56	MTs	12.64
146	1552	1554	675.57	MTs	17.36
147	1560		62.19	MTs	1.94
148	1573		63.89	MTs	2.26
149	1574		23.84	MTs	0.87
150	1585		1.24	MTs	0.07
151	1586		77.41	MTs	2.23
152	1587		99.88	MTs	3.53
153	1589		61.08	MTs	2.37
154	1596		2.19	MTs	0.06
155	1597		7.73	MTs	0.46
156	1617	1774/1772	1,365.00	MTs	25.66
157	1618		10.13	MTs	0.44
158	1619	1410	401.87	MTs	8.68
159	1632		35.73	MTs	2.15
160	1642		706.65	MTs	21.08
161	1644		327.35	MTs	12.08
162	1652	1658	525.00	MTs	11.50
163	1659	1658	1,017.50	MTs	19.86
164	1662		21.31	MTs	1.03
165	1664		11.34	MTs	0.71
166	1672		3.97	MTs	0.20
167	1674		761.46	MTs	35.27
168	1676		1,005.14	MTs	25.96
169	1678	1660	333.45	MTs	8.49
170	1682		148.26	MTs	4.70
171	1684		285.98	MTs	7.79
172	1694	1660	637.79	MTs	14.42

173	1700		0.85	MTs	0.04
174	1710	1712/1714	210.00	MTs	6.50
175	1718		1.64	MTs	0.10
176	1728		17.13	MTs	0.78
177	1730		1.60	MTs	0.08
178	2006		58.37	MTs	3.43
179	2014		0.72	MTs	0.08
180	2046		3.34	MTs	0.14
181	2061		43.09	MTs	2.92
182	2064		4.78	MTs	0.40
183	2065		31.50	MTs	2.16
184	2067		4.52	MTs	1.01
185	2068		2.49	MTs	0.40
186	2082		1.30	MTs	0.11
187	2116		203.13	MTs	12.33
188	2117		168.93	MTs	7.44
189	2124		106.65	MTs	6.34
190	2146		8.62	MTs	1.44
191	2152	2158	4.83	MTs	1.64
192	2154		62.76	MTs	4.91
193	2160		641.04	MTs	41.73
194	2170		1.79	MTs	0.17
195	2176		6.27	MTs	0.49
196	2182		0.22	MTs	0.02
197	3001		13.24	MTs	1.12
198	3080		5.58	MTs	0.44
199	3082		0.62	MTs	0.05
200	4540		5.96	MTs	0.21
201	4552		1.00	MTs	0.07
202	4554	4528	54.53	MTs	2.24
203	4562	4528	38.16	MTs	1.69
204	4569		1.91	MTs	0.26

205	4598		19.72	MTs	0.98
206	4600		1.33	MTs	0.14
207	4602		4.61	MTs	0.38
208	6000	6114	367.50	MTs	11.81
209	6008		24.00	MTs	1.57
210	6028		247.58	MTs	3.65
211	6030		8.51	MTs	0.42
212	6032		60.14	MTs	3.09
213	6037	6100	491.40	MTs	23.39
214	6038		1,150.21	MTs	16.44
215	6039		1.55	MTs	0.11
216	6063		325.56	MTs	18.24
217	6078		15.35	MTs	1.14
218	6092		1,919.80	MTs	36.04
219	6110		3.41	MTs	0.24
220	6204		10.48	MTs	0.42
221	6212		29.23	MTs	1.79
222	6556		17.55	MTs	0.85
223	6558		105.00	MTs	6.77
224	6562		5.88	MTs	0.36
225	6594		6.57	MTs	0.38
226	6596		1.40	MTs	0.12
227	6598		102.11	MTs	5.42
228	7012		1.22	MTs	0.13
229	7022		15.35	MTs	1.84
230	7040		2.31	MTs	0.51
231	8026		1.69	MTs	0.15
232	8027		4.53	MTs	0.83
233	8040		3.32	MTs	0.22
234	8082		18.85	MTs	1.23
235	8180		13.86	MTs	1.04
236	20041	2004/20042	29.40	MTs	2.11

237	56038		12.75	MTs	0.36
238	56040		1.56	MTs	0.10
239	65630		17.01	MTs	1.43
240	80381		1.04	MTs	0.07
241	1233	1236/1231	98.70	MTs	3.74
242	1236		0.66	MTs	0.03
243	1274		2.07	MTs	0.19
244	1515		157.50	MTs	5.42
245	1544		6.78	MTs	0.24
246	1551	1507/1534	23.66	MTs	1.00
247	1553	1599+3001/1543+4601	122.03	MTs	2.94
248	1557		7.78	MTs	0.26
249	1575	1738/1770	8.47	MTs	0.24
250	1594	1516	19.75	MTs	0.66
251	1608	2002	0.21	MTs	0.01
252	1638	1647	134.40	MTs	3.53
253	1643	1617/1585+1621	336.00	MTs	5.48
254	1668	1547	51.24	MTs	1.82
255	1683		0.59	MTs	0.04
256	1740		882.00	MTs	41.98
257	1746		365.94	MTs	8.17
258	1748		96.16	MTs	3.11
259	1750		30.00	MTs	1.18
260	1766		73.08	MTs	1.72
261	2050		70.27	MTs	1.17
262	2066		35.51	MTs	2.85
263	2092		18.20	MTs	1.00
264	2098		7.28	MTs	0.88
265	2136		37.80	MTs	3.35
266	2184		75.61	MTs	4.59
267	3014		279.50	MTs	3.43
268	3022		2.10	MTs	0.01

269	3030		48.18	MTs	0.43
270	3074		102.90	MTs	1.42
271	3086		1.05	MTs	0.01
272	3102		254.56	MTs	2.89
273	3520		26.88	MTs	0.62
274	3522		3.15	MTs	0.04
275	4010		560.70	MTs	2.64
276	4053		60.48	MTs	4.06
277	4072		0.61	MTs	0.08
278	4074		0.21	MTs	0.03
279	4100		13.23	MTs	0.24
280	4535		42.00	MTs	7.41
281	4550		0.21	MTs	0.08
282	4558		60.48	MTs	2.27
283	4595		0.76	MTs	0.10
284	4597		134.66	MTs	6.02
285	4614		0.42	MTs	0.02
286	5004		2.63	MTs	0.02
287	5011		52.05	MTs	1.26
288	5050		5.25	MTs	0.13
289	5052		5.25	MTs	0.14
290	5053		8.40	MTs	0.80
291	5064		39.26	MTs	2.22
292	5074		4.20	MTs	0.03
293	5082	5076	106.85	MTs	2.00
294	5084		3.19	MTs	0.07
295	5514		3.78	MTs	0.04
296	6025	6012/6015	156.49	MTs	3.97
297	6074		200.76	MTs	8.36
298	6096		54.39	MTs	1.57
299	6104		39.32	MTs	1.57
300	6108		85.81	MTs	1.17

301	6200	6037	1.18	MTs	0.06
302	6214		26.25	MTs	1.17
303	6216		189.00	MTs	3.49
304	6544		25.52	MTs	1.20
305	6546		6.30	MTs	0.30
306	6550		0.37	MTs	0.02
307	6560		0.77	MTs	0.04
308	6588		267.44	MTs	3.43
309	8086		4.62	MTs	0.37
310	8108		0.53	MTs	0.15
311	8118		2.75	MTs	0.57
312	8176		6.05	MTs	0.57
313	8594		3.15	MTs	0.12
314	8598		1.18	MTs	0.07
315	56060		16.19	MTs	0.56
316	63552		282.03	MTs	9.43
317	65538		262.27	MTs	2.15
318	65550		262.50	MTs	3.65
319	65568		0.84	MTs	0.03
320	65584		55.23	MTs	1.70
321	65642		1.90	MTs	0.07
322	65644		1.49	MTs	0.05
323	65694		90.09	MTs	1.61
324	65706		18.14	MTs	1.85
325	1052		3.36	MTs	0.22
326	1206	108	9.88	MTs	0.60
327	1244	1245	210.00	MTs	10.25
328	1306		1.29	MTs	0.05
329	1543	1599/1613	2,079.00	MTs	40.87
330	1647	1668	142.29	MTs	4.02
331	1673		17.18	MTs	0.63
332	1711		86.73	MTs	2.53

333	1732		604.79	MTs	15.57
334	1738		12.60	MTs	0.37
335	1742		14.71	MTs	0.34
336	1744		2.78	MTs	0.12
337	2042		0.20	MTs	0.02
338	2101	2100	190.99	MTs	9.82
339	2134	2131	378.00	MTs	15.29
340	4565	4568	201.67	MTs	9.53
341	6082	6084	197.72	MTs	2.59
342	55570		472.50	MTs	19.68
343	55578		262.50	MTs	11.56
344	55580		210.00	MTs	9.60
345	55552		189.00	MTs	7.87
346	55572		210.00	MTs	9.30
347	55576		199.50	MTs	8.81
348	8145	8144	63.00	MTs	3.17
349	1752	1756/1758	52.50	MTs	1.94
350	6102	6038	3,150.00	MTs	56.23
351	6006	6118	3,150.00	MTs	54.35
352	1768	1770	52.50	MTs	1.62
353	8162	81621/81622/81623	105.00	MTs	4.00
354	2007	20071	3.15	MTs	0.28
355	1764	1666/1756	52.50	MTs	2.19

Procurement Projected _BD

Sl. No.	Description of item	Broad specification Parameters	Quantity	Accounting Unit	Estimated Value of procurement in Rs/Crores
1	Testing for MRS rating, Slow Crack Growth (SCG), Rapid Crack Propagation (RCP), Pigment Dispersion, Weatherability		1	No.	1.00
2	Color Spectrophotometer (Based on reflectance)		1	No.	0.3

Procurement Projected _Pipelines

Sl.	Description of item	Broad specification Parameters	Quantity	Accounting Unit	Estimated Value of procurement
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No.					in Rs/Crores
1	Marine Hoses		179	Nos.	65.37

FINANCIAL YEAR 2025-26

Capex Procurement Projected _
Refineries

Sl. No	Description of item	Broad specification Parameters	Quantity	Accounting Unit	Estimated Value of procurement in Rs/Crores
1	Vessels/Drums/Tanks		99	Nos.	108.06
2	Pumps		275	Nos.	138.08
3	Reactors		10	Nos.	240.00
4	Column/Column Internals/Column Modification		22	Nos.	108.69
5	Heat Ex/Air coolers/Fin Fan Coolers		130	Nos.	142.66
6	Filters		-	Nos.	-
7	Instrumentation items (DCS, PLC, Analyser,,sensors,, Flowmeter,Transmitter etc.)		LOT	LOT	100.00
8	Instrument Cables		LOT	LOT	25.00
9	Electrical Items (Transformer, Switchboard,Switch gears, HV/MV Boards,Motors,Hoist,PFIC Panel,VFD,Genset)		LOT	LOT	70.00
10	Electrical Cables		LOT	LOT	50.00
11	Compressors/Blowers/Fans		14	Nos.	180.00
12	Heaters & Stacks		2	Nos.	69.61
13	Bulk(Pipe/Fittings/Flanges/Valve)		LOT	LOT	90.00
14	Package Items(HVAC,ETP,Refigeration,Cooling Tower,DI Guard,Chlorine Injection,Chemical Injection,Side Stream Filter,Ehylene BOG,TEG Borelling,Flare,Communication Mgmt Sytem,Nitrogen Cooling System,Control Monitoring System,Ambience Air Monitoring system,PCK metering Skid,Cathodic Protectin System,FDAS system,CCTV,Custody Transfer Metering Skid,Clean Agent System)		LOT	LOT	433.11
15	Fire Fighting system/equipment/package , Foam Concentrate, Manual & Remote Operated High Volume Longe Range Monitor with Accessories		LOT	LOT	40.00
16	Incinerator & Instr. Components		-	Nos.	-
17	Mech items :EOT Crane,Forklift,Weigh Bridge,Industrial Lift,Belt & Screw conveyors/Dock leveller		-	Nos.	-
18	Steam Turbine		-	Nos.	-
19	Rotary Valves/Safety Valves/Control Valves/On-off Valves/Emergency Vent		-	Nos.	-

	Valves/Shutdown Valves				
20	Mixers & Agitators		-	Nos.	-
21	Driers		-	Nos.	-
22	Separators		-	Nos.	-
23	Boiler		-	Nos.	-
24	Lab Equipment		-	Nos.	-
25	Pig Launcher & Pig Receiver		-	Nos.	-
26	Marine Loading Arm		-	Nos.	-
27	Inert Ceramic balls		-	LOT	-
28	Sample Coolers (PI) & Sample Bombs (PE)		-	Nos.	-
29	Mounded Bullet		-	Nos.	-
30	Spare Components (Compressor/Pumps/Feed Coalescer)		-	Nos.	-
31	Miscellaneous items (including FR approved project)		LOT	LOT	692.25
32	Desalter System		2	Set	20.00
33	Hybrid Vacuum Ejector Package		1	Package	69.00
34	CENTRIFUGAL COMPRESSOR SPP		1	Nos.	70.00
35	Steam turbine driven (single stream) Air Blower package (412-K-1001)' along with accessories, auxiliaries, control panel(s), all instrumentation and controls, mandatory spares, commissioning spares and special tools & tackles.		1	Nos.	160.00
36	CLO Filter package		1	Package	59.00
37	Catalyst Metering Unit Package along with Catalyst transfer syringes		1	Package	12.00
38	Slurry Pumps: Main Fractionator Bottom Pumps – 2 Nos. CLO Product Pumps – 2 Nos.		1	Package	53.10
39	Licenser selection for compounded HDPE Unit at Panipat		1	No.	195
40	Bale Moisture Analyzer		1	No.	1.60
41	Dewatering Screens		2	No.	2.14
42	Bale Film wrapper		1	Package	9
43	Sulphur Pastillator And Handling System		1	Package	155
44	Baler Package		1	Package	82
Procurement Projected - For Repair & Maintenance of Refineries					
Sl. No	Description of item	Broad specification Parameters	Quantity	Accounting Unit	Estimated Value of procurement in Rs/Crores

1	Pump Spares			Lot	51
2	Mechanical Seal Spares			Lot	59
3	Bearings			Lot	5
4	Turbine Spares			Lot	122
5	Steam Engine Spares			Lot	1
6	Furnace Spares			Lot	15
7	Compressor Spares			Lot	64
8	Fan & Blower Spares			Lot	7
9	Agitator & Mixer Spares			Lot	2
10	ETP,LPG Plant Equipment Spares			Lot	12
11	Air Conditioner Spares			Lot	2
12	Heat Exchanger Spares			Lot	48
13	Column/ Reactor Spares			Lot	36
14	Pipe & Pipe Fittings			Lot	133
15	Gear Box Spares			Lot	9
16	Motor Spares			Lot	4
17	Transformer, Battery, Switch Gear, Cable, Lamp etc. Spares			Lot	84
18		Liquid oxidation Catalyst for spent caustic regeneration	1.5	MT	2.18
19		Anti Oxidant (AO 1010) Pentaerythritol tetrakis(3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate)	980	MT	38.24
20		Anti Oxidant AO 168/ AO9	1565	MT	40
21		AO1076 (Octadecyl β - (3,5-di- tert -butyl-4-hydroxy phenyl)-propionate	110	MT	4.35
22		ATF Merox Catalyst - Pre impregnated activated charcoal	36	M ³	0.81
23		Benzene hydrogenation catalyst for ISOM unit	2.1	MT	2.55
24		CAB catalyst	18	MT	2.98
25		CAB-2 catalyst (Blend of vanadium oxytrichloride & titanium tetrachloride 50/50)	35	MT	5.25
26		Carbon Monoxide (CO) promoter catalyst additive for FCC Unit	16	MT	5.87
27		Catalyst for DCU LPG Merox Unit	547	L	0.28
28		Hindered amine light stabilizer(HALS) -	9	MT	0.93

		Chimassorb 944			
29		Claus Catalyst (Al based)	151.2	M ³	1.45
30		Claus Catalyst charge for Sulphur Recovery Unit (SRU)	22	M ³	0.71
31		Chloride guard adsorbent for Continuous Catalytic Reforming Unit (CCRU) stabilizer feed	30.5	MT	0.9
32		2-Hydroxy-4-n-octoxybenzophenone (Cyasorb 531/ UV-1)	6	MT	0.75
33		Cyclo-Hexyl Methyl Methoxysilane (DONOR C)	33	MT	3.35
34		Di-ICyclo-Pentyl-Di-Methoxy-Silane (DONOR D)	3	MT	1.21
35		Slip additives (Erucamide)	125	MT	5.34
36		Ethylene drying and CO2 removal bed (Adsorbant)	8	MT	0.37
37		Ethylene drying and CO2 removal bed (Foxed) for PP Unit	3	MT	0.43
38		Fluidized Catalytic Cracking Catalyst	4435	MT	145.95
39		Grease (VASELINE)	27	MT	0.72
40		Hydrotreating and Hydrocracking catalyst for Hydrocracking unit	320	MT	80.25
41		Hydrotreating Catalyst for DHDT unit	478	MT	80.4
42	Chemicals, Catalyst & additives	ISOM catalyst	24	MT	35
43		Liquid oxidation Catalyst for spent caustic regeneration	1.59	MT	2.18
44		Low temp. hydrogenation catalyst (Tail Gas Treatment Unit)	21.57	MT	1.77
45		Molecular sieves-desiccant (sodium-potassium-alumino silicate)	47.6	MT	1.25
46		Optical brightener	1	MT	0.62
47		PEPQ (Phosphorous trichloride, reaction products with 1,1-biphenyl and 2,4-bis(1,1-dimethylethyl)phenol) (secondary antioxidant)	186	MT	19.80
48		Peroxide-101 (2, 5 Dimethyl-2,5-di (tert-butyl-peroxy) hexane)	92	MT	8.91
49		PG/Pelargonic acid/ C8-C10 fatty acid	330	MT	9.5
50		PP Catalyst. A composition of Magnesium Chloride and 1,2 Benzenedicarboxylic acid, 1,2	7.5	MT	24.20

51	PPA (Polymer Processing Additive)	40	MT	5.29
52	Propylene drying and CO2 removal bed for PP unit (Fixed bed)	9	MT	0.24
53	Silica gel-desiccant (Compound of Silicon dioxide)	187	MT	4.30
54	T Fuel & U-Fuel for analysis of Cetane number	3690	Ltr	0.955
55	UV stabilizer 622	150	MT	8.80
56	ZN-180M (Avant CATALYST) or equivalent	240	Kg	0.75
57	ZSM-5 catalyst	100	MT	8.74
58	Primary Reference Fuel (PRF) {ISO-Octane & n heptane}	2840	Kg	0.41
59	ATF (Aviation Turbine fuel) Merox catalyst - Pre impregnated activated charcoal	36	M ³	0.81
60	DSTDP (distearyl thiodipropionate) - acts as a secondary antioxidant for PP polymers.	100	MT	3.54
61	Speciality Grease - Mixture of higher paraffin hydrocarbon used as catalyst protection in Spheripol PP technology for production of Polypropylene.	15	MT	0.40
62	Magnesium Aluminium Hydroxide Carbonate Hydrate (DHT 4A/Hycite 713) -used in reaction for acid scavenging in polymer production and processing systems.	100	MT	2.12
63	Alkyl Amine Ethoxylate (ATMER 163) - for neutralization of Catalyst & Co catalyst and works as anti- static agent.	107	MT	5.31
64	Anitoxidant AO 3114(1,3,5-Tris(3,5-di-tert-butyl-4-hydroxy benzyl)-s-triazine-2,4,6-(1H,3H,5H)trione) - specialized vis- breaking chemical used for speci fic PP grade	28	MT	1.33
65	Non-Aromatic catalyst batch mineral oil (MINERAL OIL) - used for diluting Donor in order to have better accuracy of the flow measure and also used for flushi ng in TEAL area.	70	MT	1.45
66	HDPE consumable polymerization Catalyst - used for polymerization reaction for production of	8	MT	21.60

		specific grade of High density polyethylene from Ethylene			
67		Antioxidant (AO-1330) - prevents polymer from degradation caused by exposure to heat, ultraviolet radiation (UV) and mechanical shear	52	MT	5.42
68		Desiccant for ethylene guard bed (Fixed bed for ethylene purification) - used for removal of Carbon monoxide, carbon dioxide, moisture from Ethylene feed in Swing unit to Ultra low levels.	63	MT	3.35
69		ST65692 (Biphenyl) - approved additive Packages required for manufacturing of Servo Duotherm S required at Panipat Refinery	60	MT	1.20
70		Mixed Butylated Phenol Antioxidant (ST4064) - used in blending in many lubricants	87.3	MT	1.66
71		Hydrogenated Terphenyl (ST58606) - approved additive Packages required for manufacturing of Servotherm SHT 32 required by IOCL Refinery.	304	MT	9.09
72		TEAL	21	MT	0.84
73	Mechanical Stores	Cast Air Preheater Module / Cast & Glass Air Preheater Modules / Glass Air Pre-Heater Modules	1	No	1.18
74		Cutter Blades of Extruder	1600	No	2.19
75		Hydrogen Tubular Reformer Catalyst Tubes	36	No	3.61
76		Rotary Tight Shut off Valve	4	No	0.60
77	Chemicals, Catalyst & additives	CD (Di-ethyl aluminum chloride)	34.8	MT	1.27
78	Chemicals, Catalyst & additives	CJ (Di-ethyl aluminum ethoxide)	34.8	MT	2.97
79	Chemicals, Catalyst & additives	Base FCC catalyst for INDMAX Unit.	1170	MT	34.5
80	Chemicals, Catalyst & additives	DMDS	665	MT	22.90
81	Chemicals, Catalyst & additives	RM 68 Master batch	110	MT	10
82	Chemicals, Catalyst & additives	MIBK (METHYL ISOBUTYL KETONE)	700	MT	21
83	Chemicals, Catalyst & additives	Liquid oxidation catalyst for FCC Indmax Unit	555	Kg	0.79
84	Chemicals, Catalyst & additives	FCC Catalyst – Paradip Refinery	5364	MT	138.40
85	Chemicals, Catalyst & additives	Hydro treating catalyst for DHDS Unit	56	MT	6.34

86		ISO-Octane	48	MT	1.11
87	Chemicals, Catalyst & additives	Mineral Oil (White Oil)	205	MT	5.92
88	Chemicals, Catalyst & additives	Methanol	14400	MT	66.29
89	Chemicals, Catalyst & additives	Poly Propylene Catalyst	7.5	MT	26.15
90	Chemicals, Catalyst & additives	PD/ 2,4 Pentane dione	220	MT	11.53
91	Service	Assay analysis of Fresh & Spent catalyst	2	No.	0.70
92	Chemicals, Catalyst & additives	OHCU Catalysts	732.6	M ³	199.2
93	Equipment	Radiant Coil for SRT Heater	1	Set	13.42
94	Chemicals, Catalyst & additives	Silica MB	441	MT	5.82
95	Chemicals, Catalyst & additives	RFCCU catalyst	5600	MT	190
96	Chemicals, Catalyst & additives	Static Dissipater Additive	13.578	MT	8.5
97	Chemicals, Catalyst & additives	Nucleating Agent (HPNA)	50	MT	9.0
98	Chemicals, Catalyst & additives	Mono 2 Ethyl Hexyl Amine	18	MT	0.79
99	Chemicals, Catalyst & additives	CRU Catalyst	9.8	MT	14.24
100	Chemicals, Catalyst & additives	Claus Catalyst	125.7 m3	MT	1.60
101	Information technology	Process simulation software	1	No.	3.75

Procurement Projected _ Capex and Repair & Maint - Pipelines

Sl. No	Description of item	Broad specification Parameters	Quantity	Accounting Unit	Estimated Value of procurement in Rs/Crores
	Strainer (Nos)			Nos.	
	Transfer Pump (Nos)			Nos.	
	ACDB Panel (Nos)			Nos.	
	API 6D Ball Valves (Nos)			Nos.	
	API 6D Valves (Nos)			Nos.	
	Ball Valve (Nos)			Nos.	
	Basket Strainer (Nos)			Nos.	
	Control valve (Nos)			Nos.	
	EEE (Nos)			Nos.	
	Emergency evacuation equipment (Nos)			Nos.	
	Engine Spares			Lot	15.50
	ER Probe(Nos)			Nos.	
	F/F PUMP, Jockey pumps, water filling pumps(Nos)			Nos.	
	Fire Fighting Pipes (km)			Km	

	Fire Fighting Pump (Nos)			Nos.	
	Flow Tee (Nos)			Nos.	
	Globe Valve (Nos)			Nos.	
	Heavy duty access Mats			Nos.	
	High Mast(Nos)			Nos.	
	HOT crane (Nos)			Nos.	
	HT Capacitor Panel(Nos)			Nos.	
	HT Panel(Nos)			Nos.	
	HT/LT/Control cables(km)			Km	
	Instrumentation, Control & SCADA System (Nos)			Nos.	
	Insulating coupling (Nos)			Nos.	
	Jockey pump (Nos)			Nos.	
	LT DG(Nos)			Nos.	
	LT Panel(Nos)			Nos.	
	Mainline pumping Unit (Nos)			Nos.	
	Marine Hoses for SPM			Lot	30.00
	Mechanical Pipe End connector+ Standard/Long seal Leak clamps+ Encapsulating Leak Clamps			Lot	1.10
	Metering skid assembly (consisting of Filtration, Metering and Pressure Reduction units) of various sizes for providing connectivity to CGD Entities from Gas pipelines and augmentation of existing facilities (Nos)				
	Metering Skid Ph-III(Nos)				
	Metering Skid(Nos)				
	Misc. fire fighting equipment (Nos)				
	NRPL Mainline pumping unit Replacement			Lot	118.00
	Other Marine Spares			Lot	15.14
	pipe fitting(Nos)			Nos.	
	Pipe (km)			Nos.	
	Remote operated Valve (Nos)			Nos.	
	Scrapper Barrel			Nos.	
	Separator Filter (Nos)			Nos.	
	Small size (<4") misc. valve (Nos)			Nos.	
	SRV (Nos)			Nos.	

Station pipes(km)			Nos.	
Steel Pipe (KM)			Km	
Steel Plate (MT)			Nos.	
sump pump and tank (Nos)			Nos.	
Swing check valve (Nos)			Nos.	
Telecom System (comprising of DC power, Networking system, CCTV system, Telephone system, OFC, HDPE, etc.)(Nos)			Nos.	
Transformer(Nos)			Nos.	
Vadinar SPM Replacement project 1. Buoy & accessories 2. Concrete Coated Pipe			Nos.	
Valves			Lot	4.00
VALVES of all types(Nos)			Nos.	
VFD (Nos)			Nos.	

Procurement Projected _ Marketing - LPG Group

Sl. No	Description of item	Broad specification Parameters	Quantity	Accounting Unit	Estimated Value of procurement in Rs/Crores
	LPG Pump		2	Nos.	1.36
	LPG Compressor		3	Nos.	1.04
	Air Compressor		2	Nos.	0.29
	Air Dryer		1	Nos.	0.17
	DG Set		2	Nos.	0.81
	Fire Engine		3	Nos.	0.75
	Valve change without Evacuation Machine		2	Nos.	0.51
	LPG Loading arm		16	Nos.	0.48
	Carousel		2	Nos.	6.49
	Computers		50	Nos.	0.25
	Additive dosing machines		0	Nos.	0
	Carousal Cards in Nos.		400	Nos.	2.80
	Mech Seals (Refurbishing) Nos.for LPG Pump		100	Nos.	3.00
	Mech Seals New in Nos. for LPG Pump		25	Nos.	2.00
	Valves / Flanges / Gaskets / Spares in Nos.		330	Nos.	8.25
	Cables (Control / Power) in RMs		33000	Nos.	0.50
	Pressure / Temp Transmitters/Gauges in Nos.		220	Nos.	2.20
	Fire Engine / DG / DC Batteries in Nos.		3600	Nos.	5.40
	Conveyor Chain in RM		44000	Nos.	5.28

Air Ends of Screw Compressors	44	Nos.	2.20
Spares (Filters & Accessories) Air Comp in Nos.	550	Nos.	1.38
LPG Vap Comp Seals / valves / Plates	330	Nos.	0.99
Lights and Fixtures / Bulbs / glands / JB's / Switches	12000	Nos.	1.20
Relays / Fuses	5500	Nos.	1.10
Printer Cartridges	650	Nos.	0.33
Sprockets / Cylinders / Shafts / wearing strips / Pneumatic tubing / connectors	24000	Nos.	4.80
Misc Spares /Car (sensors / connectors / cables etc)	210	Nos.	2.10
TLD / TLF Spares	880	Nos.	2.20
Structural steel for Conv / Misc Works in MT	450	Nos.	1.71
Diesel / Fire Engine Spares / filters / glands	720	Nos.	5.04
Spares for Level gauges / transmitters	330	Nos.	3.3
Fire / SCADA / GMS Panel Spares / MIMIC / sensors / transmitter	320	Nos.	1.6
CCTV spares / modules	110	Nos.	1.65
Load cells for weigh bridges / weighing scales / carousals	1100	Nos.	2.75
Centering Arms of carousals	2500	Nos.	0.30

Procurement of LPG Cylinders & P Regulator

Sl. No	Description of item	Broad specification Parameters	Quantity	Accounting Unit	Estimated Value of procurement in Rs/Crores
	14.2 Kg Cylinders (Including New & Replacement)		7300000	Nos.	936.85
	19 Kg Cylinders (Including New & Replacement)		800000	Nos.	140.04
	47.5 Kg Cylinders (Including New & Replacement)		50000	Nos.	19.26
	5 Kg Cylinders (Including New & Replacement)		1000000	Nos.	86.67
5	425 KG Cylinders		2000	Nos.	13.17
6	Pressure Regulators		4000000	Nos.	57.95

Procurement Projected _ Marketing - Lubes

Sl. No	Description of item	Broad specification Parameters	Quantity	Accounting Unit	Estimated Value of procurement in Rs/Crores
1	Synthetic base oil Poly alfa olefin 6 CST		500	MT	13.24
2	ST5014 (Lithium Hydroxide Monohydrate)		300	MT	18.09
3	ST56058 (PIB 1000)		2247	MT	24.01
4	Synthetic base oil Poly alfa olefin 100 CST, PAO 100(ST 55580)		228.5	MT	8.58
5	PIB of higher molecular wt.(ST 56032/ST 56036)		264	MT	4.21
6	Synthetic base oil Poly alfa olefin 4 CST, PAO 40(ST 55578)		275.63	MT	9.85

Procurement Projected_Pipelines					
Sl. No.	Description of item	Broad specification Parameters	Quantity	Accounting Unit	Estimated Value of procurement in Rs/Crores

FINANCIAL YEAR 2026-27

Capex Procurement Projected
_ Refineries

Sl. No.	Description of item	Broad specification Parameters	Quantity	Accounting Unit	Estimated Value of procurement in Rs/Crores
1	Vessels/Drums/Tanks		-	Nos.	-
2	Pumps		-	Nos.	-
3	Reactors		-	Nos.	-
4	Column/Column Internals/Column Modification		-	Nos.	-
5	Heat Ex/Air coolers/Fin Fan Coolers		-	Nos.	-
6	Filters		-	Nos.	-
7	Instrumentation items (DCS, PLC, Analyser,,sensors,, Flowmeter,Transmitter etc.)		LOT	LOT	40.00
8	Instrument Cables		LOT	LOT	10.00
9	Electrical Items (Transformer, Switchboard,Switch gears, HV/MV Boards,Motors,Hoist,PFIC Panel,VFD,Genset)		-	LOT	-
10	Electrical Cables		LOT	LOT	5.00
11	Compressors/Blowers/Fans		-	Nos.	-
12	Heaters & Stacks		-	Nos.	-
13	Bulk(Pipe/Fittings/Flanges/Valve)		LOT	LOT	30.00
14	Package Items(HVAC,ETP,Refrigeration,Cooling Tower,DI Guard,Chlorine Injection,Chemical Injection,Side Stream Filter,Ethylene BOG,TEG Borelling,Flare,Communication Mgmt Sytem,Nitrogen Cooling System,Control Monitoring System,Ambience Air Monitoring system,PCK metering Skid,Cathodic Protectin System,FDAS system,CCTV,Custody Transfer Metering Skid,Clean Agent System)		LOT	LOT	150.00
15	Fire Fighting system/equipment/package , Foam Concentrate, Manual & Remote Operated High Volume Longe Range Monitor with Accessories		LOT	LOT	20.00
16	Incinerator & Instr. Components		-	Nos.	-
17	Mech items :EOT Crane,Forklift,Weigh Bridge,Industrial Lift,Belt & Screw conveyors/Dock leveller		-	Nos.	-
18	Steam Turbine		-	Nos.	-
19	Rotary Valves/Safety Valves/Control Valves/On-off Valves/Emergency Vent Valves/Shutdown Valves		-	Nos.	-
20	Mixers & Agitators		-	Nos.	-
21	Driers		-	Nos.	-
22	Separators		-	Nos.	-
23	Boiler		-	Nos.	-
24	Lab Equipment		-	Nos.	-
25	Pig Launcher & Pig Receiver		-	Nos.	-
26	Marine Loading Arm		-	Nos.	-
27	Inert Ceramic balls		-	LOT	-

28	Sample Coolers (PI) & Sample Bombs (PE)	-	Nos.	-
29	Mounded Bullet	-	Nos.	-
30	Spare Components (Compressor/Pumps/Feed Coalescer)	-	LOT	-
31	Miscellaneous items (including FR approved project)	LOT	LOT	176.75

Procurement Projected - For Repair & Maintenance of Refineries

Sl. No	Description of item	Broad specification Parameters	Quantity	Accounting Unit	Estimated Value of procurement in Rs/Crores
1	Pump Spares			Lot	52
2	Mechanical Seal Spares			Lot	61
3	Bearings			Lot	5
4	Turbine Spares			Lot	125
5	Steam Engine Spares			Lot	1
6	Furnace Spares			Lot	15
7	Compressor Spares			Lot	65
8	Fan & Blower Spares			Lot	7
9	Agitator & Mixer Spares			Lot	2
10	ETP,LPG Plant Equipment Spares			Lot	13
11	Air Conditioner Spares			Lot	2
12	Heat Exchanger Spares			Lot	49
13	Column/ Reactor Spares			Lot	37
14	Pipe & Pipe Fittings			Lot	137
15	Gear Box Spares			Lot	10
16	Motor Spares			Lot	4
17	Transformer, Battery, Switch Gear, Cable, Lamp etc. Spares			Lot	86
18		Liquid oxidation Catalyst for spent caustic regeneration	1.5	MT	2.18
19		Anti Oxidant (AO 1010) Pentaerythritol tetrakis(3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate)	980	MT	40.15
20		Anti Oxidant AO 168/ AO9	1565	MT	42
21		AO1076 (Octadecyl β - (3,5-di- tert -butyl-4-hydroxy phenyl)-propionate	110	MT	4.57
22		ATF Merox Catalyst - Pre impregnated activated charcoal	36	M ³	0.81
23		Benzene hydrogenation catalyst for ISOM unit	2.1	MT	2.55
24		CAB catalyst	18	MT	3.13
25		CAB-2 catalyst (Blend of vanadium oxytrichloride & titanium tetrachloride 50/50)	35	MT	5.51
26		Carbon Monoxide (CO) promoter catalyst additive for FCC Unit	16	MT	5.87
27		Catalyst for DCU LPG Merox Unit	547	L	0.28
28		Hindered amine light stabilizer(HALS) -	9	MT	0.93

		Chimassorb 944			
29		Claus Catalyst (Al based)	151.2	M ³	1.45
30		Claus Catalyst charge for Sulphur Recovery Unit (SRU)	22	M ³	0.71
31		Chloride guard adsorbent for Continuous Catalytic Reforming Unit (CCRU) stabilizer feed	30.5	MT	0.9
32		2-Hydroxy-4-n-octoxybenzophenone (Cyasorb 531/ UV-1)	6	MT	0.75
33		Cyclo-Hexyl Methyl Methoxysilane (DONOR C)	33	MT	3.52
34		Di-ICyclo-Pentyl-Di-Methoxy-Silane (DONOR D)	3	MT	1.21
35		Slip additives (Erucamide)	125	MT	5.61
36		Ethylene drying and CO2 removal bed (Adsorbant)	8	MT	0.37
37		Ethylene drying and CO2 removal bed (Foxed) for PP Unit	3	MT	0.43
38		Fluidized Catalytic Cracking Catalyst	4435	MT	153.25
39		Grease (VASELINE)	27	MT	0.72
40		Hydrotreating and Hydrocracking catalyst for Hydrocracking unit	320	MT	80.25
41	Chemicals, Catalyst & additives	Hydrotreating Catalyst for DHDT unit	478	MT	80.4
42		ISOM catalyst	24	MT	35
43		Liquid oxidation Catalyst for spent caustic regeneration	1.59	MT	2.18
44		Low temp. hydrogenation catalyst (Tail Gas Treatment Unit)	21.57	MT	1.77
45		Molecular sieves-desiccant (sodium-potassium-alumino silicate)	47.6	MT	1.25
46		Optical brightener	1	MT	0.62
47		PEPQ (Phosphorous trichloride, reaction products with 1,1-biphenyl and 2,4-bis(1,1-dimethylethyl)phenol) (secondary antioxidant)	186	MT	19.80
48		Peroxide-101 (2, 5 Dimethyl-2,5-di (tert-butyl-peroxy) hexane)	92	MT	8.91
49		PG/Pelargonic acid/ C8-C10 fatty acid	330	MT	9.5
50		PP Catalyst. A composition of Magnesium Chloride and 1,2 Benzenedicarboxylic acid, 1,2	7.5	MT	24.20

		Bis[2-chloro-1-(chloromethyle)ethyl] ester.			
51		PPA (Polymer Processing Additive)	40	MT	5.29
52		Propylene drying and CO2 removal bed for PP unit (Fixed bed)	9	MT	0.24
53		Silica gel-desiccant (Compound of Silicon dioxide)	187	MT	4.30
54		T Fuel & U-Fuel for analysis of Cetane number	3690	Ltr	1.003
55		UV stabilizer 622	150	MT	8.80
56		ZN-180M (Avant CATALYST) or equivalent	240	Kg	0.75
57		ZSM-5 catalyst	100	MT	8.74
58		Primary Reference Fuel (PRF) {ISO-Octane & n heptane}	2840	Kg	0.44
59		ATF (Aviation Turbine fuel) Merox catalyst – Pre impregnated activated charcoal	36	m ³	0.81
60		DSTDP (distearyl thiodipropionate) - acts as a secondary antioxidant for PP polymers.	100	MT	3.72
61		Speciality Grease - Mixture of higher paraffin hydrocarbon used as catalyst protection in Spheripol PP technology for production of Polypropylene.	15	MT	0.40
62		Magnesium Aluminium Hydroxide Carbonate Hydrate (DHT 4A/Hycite 713) - used in reaction for acid scavenging in polymer production and processing systems.	100	MT	2.22
63		Alkyl Amine Ethoxylate (ATMER 163) - for neutralization of Catalyst & Co catalyst and works as anti- static agent.	107	MT	5.58
64		Anitoxidant AO 3114(1,3,5-Tris(3,5-di-tert-butyl-4-hydroxy benzyl)-s-triazine-2,4,6-(1H,3H,5H)trione) - specialized vis- breaking chemical used for speci fic PP grade	28	MT	1.33
65		Non-Aromatic catalyst batch mineral oil (MINERAL OIL) - used for diluting Donor in order to have better accuracy of the flow measure and also used for flushi ng in TEAL	70	MT	1.45

		area.			
66		HDPE consumable polymerization Catalyst - used for polymerization reaction for production of specific grade of High density polyethylene from Ethylene	8	MT	21.60
67		Antioxidant (AO-1330) - prevents polymer from degradation caused by exposure to heat, ultraviolet radiation (UV) and mechanical shear	52	MT	5.70
68		Desiccant for ethylene guard bed (Fixed bed for ethylene purification) - used for removal of Carbon monoxide, carbon dioxide, moisture from Ethylene feed in Swing unit to Ultra low levels.	63	MT	3.35
69		ST65692 (Biphenyl) - approved additive Packages required for manufacturing of Servo Duotherm S required at Panipat Refinery	60	MT	1.20
70		Mixed Butylated Phenol Antioxidant (ST4064) - used in blending in many lubricants	87.3	MT	1.66
71		Hydrogenated Terphenyl (ST58606) -approved additive Packages required for manufacturing of Servotherm SHT 32 required by IOCL Refinery.	304	MT	9.09
72		TEAL	21	MT	0.88
73	Mechanical Stores	Cast Air Preheater Module / Cast & Glass Air Preheater Modules / Glass Air Pre-Heater Modules	1	No	1.18
74		Cutter Blades of Extruder	1600	No	2.19
75		Hydrogen Tubular Reformer Catalyst Tubes	36	No	3.61
76		Rotary Tight Shut off Valve	4	No	0.60
77		Chemicals, Catalyst & additives	CD (Di- ethyl aluminum chloride)	34.8	MT
78	Chemicals, Catalyst & additives	CJ (Di- ethyl aluminum ethoxide)	34.8	MT	3.12
79	Chemicals, Catalyst & additives	GMS-90	250	MT	3.3
80	Chemicals, Catalyst & additives	Base FCC catalyst for INDMAX Unit.	1170	MT	34.5
81	Chemicals, Catalyst & additives	DMDS	665	MT	24.05
82	Chemicals, Catalyst & additives	RM 68 Master batch	110	MT	10.5

83	Chemicals, Catalyst & additives	MIBK (METHYL ISOBUTYL KETONE)	700	MT	22.05
84	Mechanical Stores	Radiant Coils	2	Set	38.26
85	Chemicals, Catalyst & additives	Hydrogenation Catalyst (Activated Alumina impregnated with Cobalt and Molybdenum Oxides).	52.3	M3	2.79
86	Chemicals, Catalyst & additives	Liquid oxidation catalyst for FCC Indmax Unit	555	Kg	0.83
87	Chemicals, Catalyst & additives	Hydro treating catalyst for DHDS Unit	56	MT	6.66
88		ISO-Octane	48	MT	1.17
89	Chemicals, Catalyst & additives	Mineral Oil (White Oil)	205	MT	6.22
90	Chemicals, Catalyst & additives	Methanol	14400	MT	69.60
91	Chemicals, Catalyst & additives	Poly Propylene Catalyst	7.5	MT	27.45
92	Chemicals, Catalyst & additives	PD/ 2,4 Pentane dione	220	MT	12.11
93	Service	Assay analysis of Fresh & Spent catalyst	2	No.	0.71
94	Chemicals, Catalyst & additives	Nucleating Agent (HPNA)	50	MT	9.5
95	Chemicals, Catalyst & additives	Mono 2 Ethyl Hexyl Amine	18	MT	0.83

Procurement Projected _ Capex and Repair & Maint - Pipelines

Sl. No	Description of item	Broad specification Parameters	Quantity	Accounting Unit	Estimated Value of procurement in Rs/Crores
	Strainer (Nos)			Nos.	
	Transfer Pump (Nos)			Nos.	
	ACDB Panel (Nos)			Nos.	
	API 6D Ball Valves (Nos)			Nos.	
	API 6D Valves (Nos)			Nos.	
	Ball Valve (Nos)			Nos.	
	Basket Strainer (Nos)			Nos.	
	Control valve (Nos)			Nos.	
	EEE (Nos)			Nos.	
	Emergency evacuation equipment (Nos)			Nos.	
	Engine Spares			Lot	15.50
	ER Probe(Nos)			Nos.	
	F/F PUMP, Jockey pumps, water filling pumps(Nos)			Nos.	
	Fire Fighting Pipes (km)			Km	
	Fire Fighting Pump (Nos)			Nos.	
	Flow Tee (Nos)			Nos.	
	Globe Valve (Nos)			Nos.	
	Heavy duty access Mats			Lot	
	High Mast(Nos)			Nos.	
	HOT crane (Nos)			Nos.	
	HT Capacitor Panel(Nos)			Nos.	
	HT Panel(Nos)			Nos.	
	HT/LT/Control cables(km)			Km	
	Instrumentation, Control & SCADA System (Nos)			Nos.	
	Insulating coupling (Nos)			Nos.	
	Jockey pump (Nos)			Nos.	
	LT DG(Nos)			Nos.	
	LT Panel(Nos)			Nos.	
	Mainline pumping Unit (Nos)			Nos.	
	Marine Hoses for SPM			Nos.	30.00
	Mechanical Pipe End connector+ Standard/Long seal Leak clamps+ Encapsulating Leak Clamps			Nos.	3.95

Metering skid assembly (consisting of Filtration, Metering and Pressure Reduction units) of various sizes for providing connectivity to CGD Entities from Gas pipelines and augmentation of existing facilities (Nos)			Nos.	
Metering Skid Ph-III(Nos)			Nos.	
Metering Skid(Nos)			Nos.	
Misc. fire fighting equipment (Nos)			Nos.	
NRPL Mainline pumping unit Replacement			Nos.	70.00
Other Marine Spares			Nos.	9.32
pipe fitting(Nos)			Nos.	
Pipe (km)			Nos.	
Remote operated Valve (Nos)			Nos.	
Scrapper Barrel			Nos.	
Separator Filter (Nos)			Nos.	
Small size (<4") misc. valve (Nos)			Nos.	
SRV (Nos)			Nos.	
Station pipes(km)			Nos.	
Steel Pipe (KM)			Km	
Steel Plate (MT)			Nos.	
sump pump and tank (Nos)			Nos.	
Swing check valve (Nos)			Nos.	
Telecom System (comprising of DC power, Networking system, CCTV system, Telephone system, OFC, HDPE, etc.)(Nos)			Nos.	
Transformer(Nos)			Nos.	
Vadinar SPM Replacement project 1. Buoy & accessories 2. Concrete Coated Pipe			Nos.	
Valves			Lot	4.00
VALVES of all types(Nos)			Nos.	
VFD (Nos)			Nos.	

Procurement Projected _ Marketing - LPG Group

Sl. No	Description of item	Broad specification Parameters	Quantity	Accounting Unit	Estimated Value of procurement in Rs/Crores
1	LPG Pump		5	Nos.	3.7
2	LPG Compressor		3	Nos.	1.09
	Air Compressor		4	Nos.	0.61
	Air Dryer		2	Nos.	0.35
	DG Set		1	Nos.	0.38
	Fire Engine		3	Nos.	0.52
	Valve change without Evacuation Machine		3	Nos.	0.8
	LPG Loading arm		16	Nos.	0.5
	Carousel		1	Nos.	3.39
	Computers		0	Nos.	0
	Additive dosing machines		0	Nos.	0
	Carousal Cards in Nos.		400	Nos.	2.80
	Mech Seals (Refurbishing) Nos.for LPG Pump		100	Nos.	3.00
	Mech Seals New in Nos. for LPG Pump		25	Nos.	2.00
	Valves / Flanges / Gaskets / Spares in Nos.		330	Nos.	8.25

	Cables (Control / Power) in RMs		33000	Nos.	0.50
	Pressure / Temp Transmitters/Gauges in Nos.		220	Nos.	2.20
	Fire Engine / DG / DC Batteries in Nos.		3600	Nos.	5.40
	Conveyor Chain in RM		44000	Nos.	5.28
	Air Ends of Screw Compressors		44	Nos.	2.20
	Spares (Filters & Accessories) Air Comp in Nos.		550	Nos.	1.38
	LPG Vap Comp Seals / valves / Plates		330	Nos.	0.99
	Lights and Fixtures / Bulbs / glands / JB's / Switches		12000	Nos.	1.20
	Relays / Fuses		5500	Nos.	1.10
	Printer Cartridges		650	Nos.	0.33
	Sprockets / Cylinders / Shafts / wearing strips / Pneumatic tubing / connectors		24000	Nos.	4.80
	Misc Spares /Car (sensors / connectors / cables etc)		210	Nos.	2.10
	TLD / TLF Spares		880	Nos.	2.20
	Structural steel for Conv / Misc Works in MT		450	Nos.	1.71
	Diesel / Fire Engine Spares / filters / glands		720	Nos.	5.04
	Spares for Level gauges / transmitters		330	Nos.	3.3
	Fire / SCADA / GMS Panel Spares / MIMIC / sensors / transmitter		320	Nos.	1.6
	CCTV spares / modules		110	Nos.	1.65
	Load cells for weigh bridges / weighing scales / carousals		1100	Nos.	2.75
	Centering Arms of carousals		2500	Nos.	0.30

Procurement of LPG Cylinders & P Regulator

Sl. No.	Description of item	Broad specification Parameters	Quantity	Accounting Unit	Estimated Value of procurement in Rs/Crores
1	14.2 Kg Cylinders (Including New & Replacement)		6300000	Nos.	803.02
2	19 Kg Cylinders (Including New & Replacement)		800000	Nos.	140.04
3	47.5 Kg Cylinders (Including New & Replacement)		50000	Nos.	19.26
4	5 Kg Cylinders (Including New & Replacement)		1000000	Nos.	86.67
5	425 KG Cylinders		3000	Nos.	19.76
6	Pressure Regulators		3500000	Nos.	50.70
7	Self Closing Valve		20800000	Nos.	175.00

Procurement Projected _ Marketing - Lubes

Sl. No	Description of item	Broad specification Parameters	Quantity	Accounting Unit	Estimated Value of procurement in Rs/Crores
1	Synthetic base oil Poly alfa olefin 6 CST		520	MT	13.77
2	ST5014 (Lithium Hydroxide Monohydrate)		300	MT	18.99
3	ST56058 (PIB 1000)		2359	MT	26.47
4	Synthetic base oil Poly alfa olefin 100 CST, PAO 100(ST 55580)		228.5	MT	9.00
5	PIB of higher molecular wt.(ST 56032/ST 56036)		277	MT	4.42
6	Synthetic base oil Poly alfa olefin 4 CST, PAO 40(ST 55578)		289.41	MT	10.28

Procurement Projected Pipelines					
Sl. No	Description of item	Broad specification Parameters	Quantity	Accounting Unit	Estimated Value of procurement in Rs/Crores
1	Marine Hoses		60	Nos.	24

**Capex Procurement
Projected _ Refineries**

Sl. No.	Description of item	Broad specification Parameters	Quantity	Accounting Unit	Estimated Value of procurement in Rs/Crores
1	Vessels/Drums/Tanks		-	Nos.	-
2	Pumps		-	Nos.	-
3	Reactors		-	Nos.	-
4	Column/Column Internals/Column Modification		-	Nos.	-
5	Heat Ex/Air coolers/Fin Fan Coolers		-	Nos.	-
6	Filters		-	Nos.	-
7	Instrumentation items (DCS, PLC, Analyser,,sensors,, Flowmeter,Transmitter etc.)		-	LOT	-
8	Instrument Cables		-	LOT	-
9	Electrical Items (Transformer, Switchboard,Switch gears, HV/MV Boards,Motors,Hoist,PFIC Panel,VFD,Genset)		-	LOT	-
10	Electrical Cables		-	LOT	-
11	Compressors/Blowers/Fans		-	Nos.	-
12	Heaters & Stacks		-	Nos.	-
13	Bulk(Pipe/Fittings/Flanges/Valve)		-	LOT	-
14	Package Items(HVAC,ETP,Refrigeration,Cooling Tower,DI Guard,Chlorine Injection,Chemical Injection,Side Stream Filter,Ethylene BOG,TEG Borelling,Flare,Communication Mgmt Sytem,Nitrogen Cooling System,Control Monitoring System,Ambience Air Monitoring system,PCK metering Skid,Cathodic Protectin System,FDAS system,CCTV,Custody Transfer Metering Skid,Clean Agent System)		-	LOT	-
15	Fire Fighting system/equipment/package , Foam Concentrate, Manual & Remote Operated High Volume Longe Range Monitor with Accessories		-	LOT	-
16	Incinerator & Instr. Components		-	Nos.	-
17	Mech items :EOT Crane,Forklift,Weigh Bridge,Industrial Lift,Belt & Screw conveyors/Dock leveller		-	Nos.	-
18	Steam Turbine		-	Nos.	-

19	Rotary Valves/Safety Valves/Control Valves/On-off Valves/Emergency Vent Valves/Shutdown Valves		-	LOT	-
20	Mixers & Agitators		-	No s.	-
21	Driers		-	No s.	-
22	Separators		-	No s.	-
23	Boiler		-	No s.	-
24	Lab Equipment		-	No s.	-
25	Pig Launcher & Pig Receiver		-	No s.	-
26	Marine Loading Arm		-	No s.	-
27	Inert Ceramic balls		-	LOT	-
28	Sample Coolers (PI) & Sample Bombs (PE)		-	No s.	-
29	Mounded Bullet		-	No s.	-
30	Spare Components (Compressor/Pumps/Feed Coalescer)		-	LOT	-
31	Miscellaneous items (including FR approved project)		-	LOT	-
35	CLARIANT OleMax 101 (8mm Spheres)		62588	Kgs	49.5
	Support Balls (Ceramic/Alumina) - 12 mm Size		5460	Kgs	
36	Treater Adsorbent		1	Lot	13.2
37	Chloride Guard Bed Adsorbent		1	Lot	0.72
38	Dryer treater Adsorbent		1	Lot	9.6

Procurement Projected - For Repair & Maintenance of Refineries

Sl. No.	Description of item	Broad specification Parameters	Quantity	Accounting Unit	Estimated Value of procurement in Rs/Crores
1	Pump Spares			Lot	53
2	Mechanical Seal Spares			Lot	62
3	Bearings			Lot	5
4	Turbine Spares			Lot	129
5	Steam Engine Spares			Lot	1
6	Furnace Spares			Lot	16
7	Compressor Spares			Lot	67
8	Fan & Blower Spares			Lot	7
9	Agitator & Mixer Spares			Lot	2
10	ETP,LPG Plant Equipment Spares			Lot	13
11	Air Conditioner Spares			Lot	3
12	Heat Exchanger Spares			Lot	51
13	Column/ Reactor Spares			Lot	38
14	Pipe & Pipe Fittings			Lot	140
15	Gear Box Spares			Lot	10
16	Motor Spares			Lot	5
17	Transformer, Battery, Switch Gear, Cable, Lamp etc. Spares			Lot	88
18		Liquid oxidation Catalyst for spent	1.5	MT	2.18

		caustic regeneration			
19		Anti Oxidant (AO 1010) Pentaerythritol tetrakis(3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate)	980	MT	42.16
20		Anti Oxidant AO 168/ AO9	1565	MT	44.11
21		AO1076 (Octadecyl β - (3,5-di-tert-butyl-4-hydroxy phenyl)-propionate)	110	MT	4.80
22		ATF Merox Catalyst - Pre impregnated activated charcoal	36	M ³	0.81
23		Benzene hydrogenation catalyst for ISOM unit	2.1	MT	2.55
24		CAB catalyst	18	MT	3.29
25		CAB-2 catalyst (Blend of vanadium oxytrichloride & titanium tetrachloride 50/50)	35	MT	5.79
26		Carbon Monoxide (CO) promoter catalyst additive for FCC Unit	16	MT	5.87
27		Catalyst for DCU LPG Merox Unit	547	L	0.28
28		Hindered amine light stabilizer(HALS) - Chimassorb 944	9	MT	0.93
29		Claus Catalyst (Al based)	151.2	M ³	1.45
30		Claus Catalyst charge for Sulphur Recovery Unit (SRU)	22	M ³	0.71
31		Chloride guard adsorbent for Continuous Catalytic Reforming Unit (CCRU) stabilizer feed	30.5	MT	0.9
32		2-Hydroxy-4-n-octoxybenzophenone (Cyasorb 531/ UV-1)	6	MT	0.75
33		Cyclo-Hexyl Methyl Methoxysilane (DONOR C)	33	MT	3.69
34		Di-ICyclo-Pentyl-Di-Methoxy-Silane (DONOR D)	3	MT	1.21
35		Slip additives (Erucamide)	125	MT	5.89
36		Ethylene drying and CO2 removal bed (Adsorbant)	8	MT	0.37
37		Ethylene drying and CO2 removal bed (Foxed) for PP Unit	3	MT	0.43
38		Fluidized Catalytic Cracking Catalyst	4435	MT	160.91
39		Grease (VASELINE)	27	MT	0.72
40		Hydrotreating and Hydrocracking catalyst for Hydrocracking unit	320	MT	80.25
41		Hydrotreating Catalyst for DHDT unit	478	MT	80.4
42		ISOM catalyst	24	MT	35
43		Liquid oxidation Catalyst for spent caustic regeneration	1.59	MT	2.18
44		Low temp. hydrogenation catalyst (Tail Gas Treatment Unit)	21.57	MT	1.77
45	Chemicals, Catalyst & additives	Molecular sieves-desiccant (sodium-potassium-alumino silicate)	47.6	MT	1.25
46		Optical brightener	1	MT	0.62
47		PEPQ (Phosphorous trichloride, reaction products with 1,1-biphenyl and 2,4-bis(1,1-dimethylethyl)phenol) (secondary antioxidant)	186	MT	19.80
48		Peroxide-101 (2, 5 Dimethyl-2,5-di (tert-butyl-peroxy) hexane)	92	MT	8.91
49		PG/Pelargonic acid/ C8-C10 fatty acid	330	MT	9.50

50	PP Catalyst. A composition of Magnesium Chloride and 1,2 Benzenedicarboxylic acid, 1,2 Bis[2-chloro-1-(chloromethyle)ethyl] ester.	7.5	MT	24.20
51	PPA (Polymer Processing Additive)	40	MT	5.29
52	Propylene drying and CO2 removal bed for PP unit (Fixed bed)	9	MT	0.24
53	Silica gel-desiccant (Compound of Silicon dioxide)	187	MT	4.30
54	T Fuel & U-Fuel for analysis of Cetane number	3690	Ltr	1.008
55	UV stabilizer 622	150	MT	8.80
56	ZN-180M (Avant CATALYST) or equivalent	240	Kg	0.75
57	ZSM-5 catalyst	100	MT	8.74
58	Primary Reference Fuel (PRF) {ISO-Octane & n heptane}	2840	Kg	0.46
59	ATF (Aviation Turbine fuel) Mercox catalyst - Pre impregnated activated charcoal	36	M ³	0.81
60	DSTDP (distearyl thiodipropionate) - acts as a secondary antioxidant for PP polymers.	100	MT	3.90
61	Speciality Grease - Mixture of higher paraffin hydrocarbon used as catalyst protection in Spheripol PP technology for production of Polypropylene.	15	MT	0.40
62	Magnesium Aluminium Hydroxide Carbonate Hydrate (DHT 4A/Hycite 713) - used in reaction for acid scavenging in polymer production and processing systems.	100	MT	2.33
63	Alkyl Amine Ethoxylate (ATMER 163) - for neutralization of Catalyst & Co catalyst and works as anti- static agent.	107	MT	5.86
64	Anitoxidant AO 3114(1,3,5-Tris(3,5-di-tert-butyl-4-hydroxy benzyl)-s-triazine-2,4,6-(1H,3H,5H)trione) - specialized vis- breaking chemical used for speci fic PP grade	28	MT	1.33
65	Non-Aromatic catalyst batch mineral oil (MINERAL OIL) - used for diluting Donor in order to have better accuracy of the flow measure and also used for flushi ng in TEAL area.	70	MT	1.45
66	HDPE consumable polymerization Catalyst - used for polymerization reaction for production of specific grade of High density polyethylene from Ethylene	8	MT	21.60
67	Antioxidant (AO-1330) - prevents polymer from degradation caused by exposure to heat, ultraviolet radiation (UV) and mechanical shear	52	MT	5.98
68	Desiccant for ethylene guard bed (Fixed bed for ethylene purification) - used for removal of Carbon monoxide, carbon dioxide, moisture from Ethylene feed in Swing unit to Ultra low levels.	63	MT	3.35

69		ST65692 (Biphenyl) -approved additive Packages required for manufacturing of Servo Duotherm S required at Panipat Refinery	60	MT	1.20
70		Mixed Butylated Phenol Antioxidant (ST4064) - used in blending in many lubricants	87.3	MT	1.66
71		Hydrogenated Terphenyl (ST58606) - approved additive Packages required for manufacturing of Servotherm SHT 32 required by IOCL Refinery.	304	MT	9.09
72		TEAL	21	MT	0.88
73	Mechanical Stores	Cast Air Preheater Module / Cast & Glass Air Preheater Modules / Glass Air Pre-Heater Modules	1	No	1.18
74		Cutter Blades of Extruder	1600	No	2.19
75		Hydrogen Tubular Reformer Catalyst Tubes	36	No	3.61
76		Rotary Tight Shut off Valve	4	No	0.60
77		Chemicals, Catalyst & additives	CD (Di- ethyl aluminum chloride)	34.8	MT
78	Chemicals, Catalyst & additives	CJ (Di- ethyl aluminum ethoxide)	34.8	MT	3.27
79	Chemicals, Catalyst & additives	GMS-90	250	MT	3.3
80	Chemicals, Catalyst & additives	Base FCC catalyst for INDMAX Unit.	1170	MT	34.5
81	Chemicals, Catalyst & additives	DMDS	665	MT	25.25
82	Chemicals, Catalyst & additives	RM 68 Master batch	110	MT	11.02
83	Chemicals, Catalyst & additives	MIBK (METHYL ISOBUTYL KETONE)	700	MT	23.15
87	Chemicals, Catalyst & additives	Liquid oxidation catalyst for FCC Indmax Unit	555	Kg	0.87
88	Chemicals, Catalyst & additives	Hydro treating catalyst for DHDS Unit	56	MT	6.99
89		ISO-Octane	48	MT	1.23
90	Chemicals, Catalyst & additives	Mineral Oil (White Oil)	205	MT	6.53
91	Chemicals, Catalyst & additives	Methanol	14400	MT	73.08
92	Chemicals, Catalyst & additives	Poly Propylene Catalyst	7.5	MT	28.82
95	Chemicals, Catalyst & additives	PD/ 2,4 Pentane dione	220	MT	12.71
96	Service	Assay analysis of Fresh & Spent catalyst	2	No.	0.75
97	Chemicals, Catalyst & additives	Silica MB	441	MT	6.40
98	Chemicals, Catalyst & additives	RFCCU catalyst	5600	MT	209
99	Chemicals, Catalyst & additives	Nucleating Agent (HPNA)	50	MT	9.92
100	Chemicals, Catalyst & additives	Mono 2 Ethyl Hexyl Amine	18	MT	0.87

Procurement Projected _ Capex and Repair & Maint - Pipelines

Sl. No.	Description of item	Broad specification Parameters	Quantity	Accounting Unit	Estimated Value of procurement in Rs/Crores
1	Strainer (Nos)			Nos.	
2	Transfer Pump (Nos)			Nos.	
3	ACDB Panel (Nos)			Nos.	
4	API 6D Ball Valves (Nos)			Nos.	
5	API 6D Valves (Nos)			Nos.	
6	Ball Valve (Nos)			Nos.	
7	Basket Strainer (Nos)			Nos.	
8	Control valve (Nos)			Nos.	
9	EEE (Nos)			Nos.	
10	Emergency evacuation equipment (Nos)			Nos.	
11	Engine Spares			Lot	15.50

12	ER Probe(Nos)			Nos.	
13	F/F PUMP, Jockey pumps, water			Nos.	
14	filling pumps(Nos)				
15	Fire Fighting Pipes (km)			Km	
16	Fire Fighting Pump (Nos)			Nos.	
17	Flow Tee (Nos)			Nos.	
18	Globe Valve (Nos)			Nos.	
19	Heavy duty access Mats			Lot	
20	High Mast(Nos)			Nos.	
21	HOT crane (Nos)			Nos.	
22	HT Capacitor Panel(Nos)			Nos.	
23	HT Panel(Nos)			Nos.	
24	HT/LT/Control cables(km)			Km	
25	Instrumentation, Control & SCADA			Nos.	
26	System (Nos)				
27	Insulating coupling (Nos)			Nos.	
28	Jockey pump (Nos)			Nos.	
29	LT DG(Nos)			Nos.	
30	LT Panel(Nos)			Nos.	
31	Mainline pumping Unit (Nos)			Nos.	
	Marine Hoses for SPM			Nos.	48.00
32	Mechanical Pipe End connector+ Standard/Long seal Leak clamps+ Encapsulating Leak Clamps			Nos.	1.22
33	Metering skid assembly				
34	(consisting of Filtration, Metering				
35	and Pressure Reduction units) of			Nos.	
36	various sizes for providing				
37	connectivity to CGD Entities from				
38	Gas pipelines and				
39	augmentation of existing facilities (Nos)				
40	Metering Skid Ph-III(Nos)			Nos.	
41	Metering Skid(Nos)			Nos.	
42	Misc. fire fighting equipment (Nos)			Nos.	
43	NRPL Mainline pumping unit			Nos.	
44	Replacement				
45	Other Marine Spares			Nos.	11.30
46	pipe fitting(Nos)			Nos.	
47	Pipe (km)			Nos.	
48	Remote operated Valve (Nos)			Nos.	
49	Scraper Barrel			Nos.	
	Separator Filter (Nos)			Nos.	
50	Small size (<4") misc. valve (Nos)			Nos.	
	SRV (Nos)			Nos.	
51	Station pipes(km)			Nos.	
	Steel Pipe (KM)			Km	
52	Steel Plate (MT)			Nos.	
	sump pump and tank (Nos)			Nos.	
53	Swing check valve (Nos)			Nos.	
54	Telecom System (comprising of DC				
55	power, Networking system, CCTV system, Telephone system, OFC, HDPE, etc.)(Nos)			Nos.	
56	Transformer(Nos)			Nos.	
57	Vadinar SPM Replacement project				
	1. Buoy & accessories				
	2. Concrete Coated Pipe			Nos.	
58	Valves			Lot	4.00
59	VALVES of all types(Nos)			Nos.	
60	VFD (Nos)			Nos.	
61	Anti chafe Chain	20		Nos.	21.00

62	Mooring Bridle		26	Nos.	1.65
Procurement Projected _ Marketing - LPG Group					
Sl. No.	Description of item	Broad specification Parameters	Quantity	Accounting Unit	Estimated Value of procurement in Rs/Crores
1	LPG Pump		8	Nos.	6.24
2	LPG Compressor		4	Nos.	1.51
3	Air Compressor		5	Nos.	0.8
4	Air Dryer		0	Nos.	0
5	DG Set		1	Nos.	0.39
6	Fire Engine		4	Nos.	0.73
7	Valve change without Evacuation Machine		5	Nos.	1.4
9	LPG Loading arm		32	Nos.	1.04
10	Carousel		1	Nos.	3.54
11	Computers		0	Nos.	0
12	Additive dosing machines		0	Nos.	0
13	Carousal Cards in Nos.		400	Nos.	2.80
14	Mech Seals (Refurbishing) Nos.for LPG Pump		100	Nos.	3.00
15	Mech Seals New in Nos. for LPG Pump		25	Nos.	2.00
17	Valves / Flanges / Gaskets / Spares in Nos.		330	Nos.	8.25
19	Cables (Control / Power) in RMs		3300	Nos.	0.50
21	Pressure / Temp Transmitters/Gauges in Nos.		220	Nos.	2.20
23	Fire Engine / DG / DC Batteries in Nos.		3600	Nos.	5.40
25	Conveyor Chain in RM		4400	Nos.	5.28
27	Air Ends of Screw Compressors		45	Nos.	2.25
28	Spares (Filters & Accessories) Air Comp in Nos.		550	Nos.	1.38
29	LPG Vap Comp Seals / valves / Plates		330	Nos.	0.99
31	Lights and Fixtures / Bulbs / glands / JB's / Switches		1200	Nos.	1.20
33	Relays / Fuses		5500	Nos.	1.10
34	Printer Cartridges		650	Nos.	0.33
35	Sprockets / Cylinders / Shafts / wearing strips / Pneumatic tubing / connectors		2400	Nos.	4.80
	Misc Spares /Car (sensors / connectors / cables etc)		210	Nos.	2.10
	TLD / TLF Spares		880	Nos.	2.20
	Structural steel for Conv / Misc Works in MT		450	Nos.	1.71
	Diesel / Fire Engine Spares / filters / glands		720	Nos.	5.04
	Spares for Level gauges / transmitters		330	Nos.	3.3
	Fire / SCADA / GMS Panel Spares / MIMIC / sensors / transmitter		320	Nos.	1.6
	CCTV spares / modules		110	Nos.	1.65
	Load cells for weigh bridges / weighing scales / carousals		1100	Nos.	2.75
	Centering Arms of carousals		2500	Nos.	0.30
Procurement of LPG Cylinders & P Regulator					

Sl. No.	Description of item	Broad specification Parameters	Quantity	Accounting Unit	Estimated Value of procurement in Rs/Crores
1	14.2 Kg Cylinders (Including New & Replacement)		630000	Nos.	803.02
2	19 Kg Cylinders (Including New & Replacement)		80000	Nos.	140.04
3	47.5 Kg Cylinders (Including New & Replacement)		4000	Nos.	15.41
4	5 Kg Cylinders (Including New & Replacement)		150000	Nos.	130.01
5	425 KG Cylinders		5000	Nos.	32.93
6	Pressure Regulators		350000	Nos.	50.70
7	Self-Closing Valve		212000	Nos.	178.00

Procurement Projected _ Marketing - Lubes

Sl. No.	Description of item	Broad specification Parameters	Quantity	Accounting Unit	Estimated Value of procurement in Rs/Crores
1	Synthetic base oil Poly alfa olefin 6 CST		550	MT	14.56
2	ST5014 (Lithium Hydroxide Monohydrate)		325	MT	21.60
3	ST56058 (PIB 1000)		2477	MT	29.18
4	Synthetic base oil Poly alfa olefin 100 CST, PAO 100(ST 55580)		280	MT	11.51
5	PIB of higher molecular wt.(ST 56032/ST 56036)		291	MT	4.64
6	Synthetic base oil Poly alfa olefin 4 CST, PAO 40(ST 55578)		303.88	MT	11.52

Procurement Projected _ Pipelines

Sl. No.	Description of item	Broad specification Parameters	Quantity	Accounting Unit	Estimated Value of procurement in Rs/Crores
1	Marine Hoses		100	Nos.	40

Capex Procurement Projected _ Refineries

Sl. No.	Description of item	Broad specification Parameters	Quantity	Accounting Unit	Estimated Value of procurement in Rs/Crores
1	Vessels/Drums/Tanks		324	Nos.	240
2	Pumps		659	Nos.	386
3	Reactors		28	Nos.	168
4	Column/Column Internals/Column Modification		79	Nos.	368
5	Heat Ex/Air coolers/Fin Fan Coolers		473	Nos.	623
6	Filters		11	Nos.	3
7	Instrumentation items (DCS, PLC, Analyser,,sensors, Flowmeter,Transmitter etc.)		LOT	LOT	125
8	Instrument Cables		LOT	LOT	2
	Electrical Items (Transformer, Switchboard,Switch gears, HV/MV Boards,Motors,Hoist,PFIC Panel,VFD,Genset)		LOT	LOT	104
10	Electrical Cables		LOT	LOT	10
11	Compressors/Blowers/Fans		31	Nos.	350
12	Heaters & Stacks		14	Nos.	257
13	Bulk(Pipe/Fittings/Flanges/Valve)		LOT	LOT	144
14	Package Items(HVAC,ETP,Refrigeration,Cooling Tower,DI Guard,Chlorine Injection,Chemical Injection,Side Stream Filter,Ethylene BOG,TEG Borelling,Flare,Communication Mgmt Sytem,Nitrogen Cooling System,Control Monitoring System,Ambience Air Monitoring system,PCK metering Skid,Cathodic Protectin System,FDAS system,CCTV,Custody Transfer Metering Skid,Clean Agent System)		LOT	LOT	731
15	Fire Fighting system/equipment/package , Foam Concentrate, Manual & Remote Operated High Volume Longe Range Monitor with Accessories		LOT	LOT	24
16	Incinerator & Instr. Components		13	Nos.	28
17	Mech items :EOT Crane,Forklift,Weigh Bridge,Industrial Lift,Belt & Screw conveyors/Dock leveller		17	Nos.	10
18	Steam Turbine			Nos.	
19	Rotary Valves/Safety Valves/Control Valves/On-off Valves/Emergency Vent Valves/Shutdown Valves		LOT	LOT	75
20	Mixers & Agitators		80	Nos.	19
21	Driers		3	Nos.	2

22	Separators		5	Nos.	4
23	Boiler		1	Nos.	6
24	Lab Equipment		34	Nos.	11
25	Pig Launcher & Pig Receiver		2	Nos.	1
26	Marine Loading Arm		1	Nos.	9
27	Inert Ceramic balls		LOT	LOT	1
28	Sample Coolers (PI) & Sample Bombs (PE)		54	Nos.	1
29	Mounded Bullet			Nos.	
30	Spare Components (Compressor/Pumps/Feed Coalescer)		LOT	LOT	24
31	Miscellaneous items (including FR approved project)		LOT	LOT	547

Procurement Projected - For Repair & Maintenance of Refineries

Sl. No.	Description of item	Broad specification Parameters	Quantity	Accounting Unit	Estimated Value of procurement in Rs/Crores
1	Pump Spares			Lot	57.6
2	Mechanical Seal Spares			Lot	67.2
3	Bearings			Lot	6
4	Turbine Spares			Lot	139.2
5	Steam Engine Spares			Lot	1.2
6	Furnace Spares			Lot	16.8
7	Compressor Spares			Lot	73.2
8	Fan & Blower Spares			Lot	8.4
9	Agitator & Mixer Spares			Lot	2.4
10	ETP,LPG Plant Equipment Spares			Lot	14.4
11	Air Conditioner Spares			Lot	2.4
12	Heat Exchanger Spares			Lot	55.2
13	Column/ Reactor Spares			Lot	40.8
14	Pipe & Pipe Fittings			Lot	152.4
15	Gear Box Spares			Lot	10.8
16	Motor Spares			Lot	4.8
17	Transformer, Battery, Switch Gear, Cable, Lamp etc. Spares		Lot	Lot	96
18	Chemicals, Catalyst & additives	Liquid oxidation Catalyst for spent caustic regeneration	1.5	MT	2.616
19		Anti Oxidant (AO 1010) Pentaerythritol tetrakis(3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate)	980	MT	44.26
20		Anti Oxidant AO 168/ AO9	1565	MT	46.31
21		AO1076 (Octadecyl β - (3,5-di-tert-butyl-4-hydroxy phenyl)-propionate)	110	MT	5.04
22		ATF Merox Catalyst - Pre impregnated activated charcoal	36	M3	0.972
23		Benzene hydrogenation catalyst for ISOM unit	2.1	MT	3.06
24		CAB catalyst	18	MT	3.45
25		CAB-2 catalyst (Blend of vanadium oxytrichloride & titanium tetrachloride 50/50)	35	MT	6.08
26		Carbon Monoxide (CO) promoter catalyst additive for FCC Unit	16	MT	7.044
27		Catalyst for DCU LPG Merox Unit	547	L	0.336

28	Hindered amine light stabilizer(HALS) - Chimassorb 944	9	MT	1.116
29	Claus Catalyst (Al based)	151.2	M3	1.74
30	Claus Catalyst charge for Sulphur Recovery Unit (SRU)	22	M3	0.852
31	Chloride guard adsorbent for Continuous Catalytic Reforming Unit (CCRU) stabilizer feed	30.5	MT	1.08
32	2-Hydroxy-4-n-octoxybenzophenone (Cyasorb 531/UV-1)	6	MT	0.9
33	Cyclo-Hexyl Methyl Methoxysilane (DONOR C)	33	MT	3.88
34	Di-ICyclo-Pentyl-Di-Methoxy-Silane (DONOR D)	3	MT	1.452
35	Slip additives (Erucamide)	125	MT	6.18
36	Ethylene drying and CO2 removal bed (Adsorbant)	8	MT	0.444
37	Ethylene drying and CO2 removal bed (Foxed) for PP Unit	3	MT	0.516
38	Fluidized Catalytic Cracking Catalyst	4435	MT	168.96
39	Grease (VASELINE)	27	MT	0.864
40	Hydrotreating and Hydrocracking catalyst for Hydrocracking unit	320	MT	96.3
41	Hydrotreating Catalyst for DHD T unit	478	MT	96.48
42	ISOM catalyst	24	MT	42
43	Liquid oxidation Catalyst for spent caustic regeneration	1.59	MT	2.616
44	Low temp. hydrogenation catalyst (Tail Gas Treatment Unit)	21.57	MT	2.124
45	Molecular sieves-desiccant (sodium-potassium-alumino silicate)	47.6	MT	1.5
46	Optical brightener	1	MT	0.744
47	PEPQ (Phosphorous trichloride, reaction products with 1,1-biphenyl and 2,4-bis(1,1-dimethylethyl)phenol) (secondary antioxidant)	186	MT	23.76
48	Peroxide-101 (2, 5 Dimethyl-2,5-di (tert-butyl-peroxy) hexane)	92	MT	10.692
49	PG/Pelargonic acid/ C8-C10 fatty acid	330	MT	10.56
50	PP Catalyst. A composition of Magnesium Chloride and 1,2 Benzenedicarboxylic acid, 1,2 Bis[2-chloro-1-(chloromethyle)ethyl] ester.	7.5	MT	29.04
51	PPA (Polymer Processing Additive)	40	MT	6.348
52	Propylene drying and CO2 removal bed for PP unit (Fixed bed)	9	MT	0.288
53	Silica gel-desiccant (Compound of Silicon dioxide)	187	MT	5.16
54	T Fuel & U-Fuel for analysis of Cetane number	3690	Ltr	1.059
55	UV stabilizer 622	150	MT	10.56
56	ZN-180M (Avant CATALYST) or equivalent	240	Kg	0.9
57	ZSM-5 catalyst	100	MT	10.488
58	Primary Reference Fuel (PRF) {ISO-Octane & n heptane}	2840	Kg	0.475
59	ATF (Aviation Turbine fuel) Merox catalyst – Pre impregnated activated charcoal	36	M3	0.972

60		DSTDP (distearyl thiodipropionate) - acts as a secondary antioxidant for PP polymers.	100	MT	4.10
61		Speciality Grease - Mixture of higher paraffin hydrocarbon used as catalyst protection in Spheripol PP technology for production of Polypropylene.	15	MT	0.48
62		Magnesium Aluminium Hydroxide Carbonate Hydrate (DHT 4A/Hycite 713) -used in reaction for acid scavenging in polymer production and processing systems.	100	MT	2.45
63		Alkyl Amine Ethoxylate (ATMER 163) - for neutralization of Catalyst & Co catalyst and works as anti-static agent.	107	MT	6.15
64		Antioxidant AO 3114(1,3,5-Tris(3,5-di-tert-butyl-4-hydroxy benzyl)-s-triazine-2,4,6-(1H,3H,5H)trione) - specialized vis- breaking chemical used for specific PP grade	28	MT	1.596
65		Non-Aromatic catalyst batch mineral oil (MINERAL OIL) - used for diluting Donor in order to have better accuracy of the flow measure and also used for flushing in TEAL area.	70	MT	1.74
66		HDPE consumable polymerization Catalyst - used for polymerization reaction for production of specific grade of High density polyethylene from Ethylene	8	MT	25.92
67		Antioxidant (AO-1330) -prevents polymer from degradation caused by exposure to heat, ultraviolet radiation (UV) and mechanical shear	52	MT	6.28
68		Desiccant for ethylene guard bed (Fixed bed for ethylene purification) - used for removal of Carbon monoxide, carbon dioxide, moisture from Ethylene feed in Swing unit to Ultra low levels.	63	MT	4.02
69		ST65692 (Biphenyl) -approved additive Packages required for manufacturing of Servo Duotherm S required at Panipat Refinery	60	MT	1.44
70		Mixed Butylated Phenol Antioxidant (ST4064) - used in blending in many lubricants	87.3	MT	1.992
71		Hydrogenated Terphenyl (ST58606) - approved additive Packages required for manufacturing of Servotherm SHT 32 required by IOCL Refinery.	304	MT	10.908
72	Mechanical Stores	Cast Air Preheater Module / Cast & Glass Air Preheater Modules / Glass Air Pre-Heater Modules	1	No	1.416
73		Cutter Blades of Extruder	1600	No	2.628
74		Hydrogen Tubular Reformer Catalyst Tubes	36	No	4.332
75		Rotary Tight Shut off Valve	4	No	0.72
76		Benchmarking study for P-25 Project	1	No	2.4
77		License, Know-How, Process package, Catalyst(s), Proprietary equipment (if any) for production of Polyester Melt	1		214.8

		for continuous polymerization Unit along with project management consultancy services		Lot	
78	Specialty Services	Lining up of agency for platinum/palladium umpire analysis on limited global tender basis.	12	Lot	0.108
79		Loss On Ignition (%) and Platinum content (%) testing in Continuous Catalytic Reformer (CCR) fresh catalyst	1	No	0.048
80		Maintenance of Welded Type Plate combine feed Exchanger of CRU	1	No	2.052
81		Off the shelf "Online e-Modules on Leadership Competencies"	1000	No	1.104
82		Supply of Basic Design and Engineering Package (BDEP), Catalyst(s), Proprietary items and assistance services for quality Revamp of BS-VI FCC GDS at Gujarat Refinery	1	Lot	25.94
83		Supply of License, Basic Engineering and Design package and equipment and services	1	Lot	128.64
84		Assay analysis of spent catalyst - required to quantify precious metal i.e. Palladium content in Spent catalyst for settlement of quantity of recovery of precious metal from spent catalyst.	1	Lot	0.144
85		Chemicals, Catalyst & Additives	TEAL	21	MT
86	Chemicals, Catalyst & additives	CD (Di- ethyl aluminum chloride)	34.8	MT	1.47
87	Chemicals, Catalyst & additives	CJ (Di- ethyl aluminum ethoxide)	34.8	MT	3.44
88	Chemicals, Catalyst & additives	GMS-90	250	MT	3.8
89	Chemicals, Catalyst & additives	Base FCC catalyst for INDMAX Unit.	1170	MT	34.5
90	Chemicals, Catalyst & additives	DMDS	665	MT	26.51
91	Chemicals, Catalyst & additives	RM 68 Master batch	110	MT	11.58
92	Chemicals, Catalyst & additives	MIBK (METHYL ISOBUTYL KETONE)	700	MT	24.31
93	Mechanical Stores	Radiant Coils	2	Set	42.08
94	Chemicals, Catalyst & additives	Hydrogenation Catalyst (Activated Alumina impregnated with Cobalt and Molybdenum Oxides).	52.3	M3	3.07
95	Chemicals, Catalyst & additives	Liquid oxidation catalyst for FCC Indmax Unit	555	Kg	0.92
96	Chemicals, Catalyst & additives	Hydro treating catalyst for DHDS Unit	56	MT	7.34
97		ISO-Octane	48	MT	1.29
98		Steel Conveyor Belt	1	No.	1.83
99	Chemicals, Catalyst & additives	Mineral Oil (White Oil)	205	MT	6.86
100	Chemicals, Catalyst & additives	Methanol	14400	MT	76.73
101	Chemicals, Catalyst & additives	Poly Propylene Catalyst	7.5	MT	30.27

102	Chemicals, Catalyst & additives	PD/ 2,4 Pentane dione	220	MT	13.35
103	Service	Assay analysis of Fresh & Spent catalyst	1	No.	0.80
104	Chemicals, Catalyst & additives	Nucleating Agent (HPNA)	50	MT	10.42
105	Chemicals, Catalyst & additives	Mono 2 Ethyl Hexyl Amine	18	MT	0.91

Procurement Projected _ Capex and Repair & Maint - Pipelines

Sl. No.	Description of item	Broad specification Parameters	Quantity	Accounting Unit	Estimated Value of procurement in Rs/Crores
1	Strainer (Nos)				
2	Transfer Pump (Nos)				
3	ACDB Panel (Nos)		147	Nos.	19.27
4	API 6D Ball Valves (Nos)		644	Nos.	26.63
5	API 6D Valves (Nos)		147	Nos.	9.35
6	Ball Valve (Nos)		102	Nos.	72.60
7	Basket Strainer (Nos)		60	Nos.	8.53
8	Control valve (Nos)		75	Nos.	14.76
9	EEE (Nos)		15.0	Nos.	6.13
10	Emergency evacuation equipment (Nos)		74	Nos.	23.98
11	Engine Spares		Lot	Lot	16.80
12	ER Probe(Nos)		59	Nos.	7.67
13	F/F PUMP, Jockey pumps, water filling pumps(Nos)				0.00
14	Fire Fighting Pipes (km)		0.17	Km	0.07
15	Fire Fighting Pump (Nos)		3	Nos.	0.60
16	Flow Tee (Nos)		99	Nos.	12.38
17	Globe Valve (Nos)		74	Nos.	1.22
18	Heavy duty access Mats		Lot	Lot	6.23
19	High Mast(Nos)		80	Nos.	9.59
20	HOT crane (Nos)		8	Nos.	10.73
21	HT Capacitor Panel(Nos)		5	Nos.	0.76
22	HT Panel(Nos)		5	Nos.	10.38
23	HT/LT/Control cables(km)		830	Km	1.82
24	Instrumentation, Control & SCADA System (Nos)		10	Nos.	13.81
25	Insulating coupling (Nos)		556	Nos.	4.60
26	Jockey pump (Nos)		2	Nos.	0.05
27	LT DG(Nos)		185	Nos.	4.55
28	LT Panel(Nos)		38	Nos.	6.00
29	Mainline pumping Unit (Nos)		22	Nos.	67.81
30	Marine Hoses for SPM			Nos.	96.00
31	Mechanical Pipe End connector+ Standard/Long seal Leak clamps+ Encapsulating Leak Clamps			Nos.	4.1
32	Metering skid assembly (consisting of Filtration, Metering and Pressure Reduction units) of various sizes for providing connectivity to CGD Entities from Gas pipelines and augmentation of existing		4	Nos.	9.1

	facilities (Nos)				
33	Metering Skid Ph-III(Nos)		8	Nos.	43.04
34	Metering Skid(Nos)		4	Nos.	27.85
35	Misc. fire fighting equipment (Nos)		47	Nos.	27.90
36	NRPL Mainline pumping unit Replacement				
37	Other Marine Spares			Nos.	10.18
38	pipe fitting(Nos)		1273 00	Nos.	1.62
39	Pipe (km)		146. 1	Nos.	134.03
40	Remote operated Valve (Nos)		23	Nos.	1.92
41	Scrapper Barrel		72	Nos.	12.46
42	Separator Filter (Nos)		2	Nos.	3.24
43	Small size (<4") misc. valve (Nos)		103	Nos.	5.18
44	SRV (Nos)		1	Nos.	0.17
45	Station pipes(km)		2.3	Nos.	3.53
46	Steel Pipe (KM)		207 8	Km	2352.00
47	Steel Plate (MT)		168 0	Nos.	10.92
48	sump pump and tank (Nos)		1	Nos.	0.16
49	Swing check valve (Nos)		100	Nos.	2.62
50	Telecom System (comprising of DC power, Networking system, CCTV system, Telephone system, OFC, HDPE, etc.)(Nos)		10	Nos.	113.34
51	Transformer(Nos)		10	Nos.	74.52
52	Vadinar SPM Replacement project 1. Buoy & accessories 2. Concrete Coated Pipe			Nos.	
53	Valves		Lot	Lot	5
54	VALVES of all types(Nos)			Nos.	
55	VFD (Nos)		15	Nos.	24.00
56	Anti-Chafe Chains for Vadinar		14	No	0.97
57	Subsea Hoses for Paradip SPM-I		2	No	0.84

Procurement Projected _ Marketing - LPG Group

Sl. No.	Description of item	Broad specification Parameters	Quantity	Accounting Unit	Estimated Value of procurement in Rs/Crores
1	LPG Pump		14	Nos.	10.34
2	LPG Compressor		14	Nos.	6.77
3	Air Compressor		15	Nos.	2.30
4	Air Dryer		4	Nos.	0.77
5	DG Set		7	Nos.	3.47
6	Fire Engine		14	Nos.	1.92
7	Valve change without Evacuation Machine		4	Nos.	1.12
8	LPG Loading arm		16	Nos.	0.53
9	Carousel		20	Nos.	70.80
10	Computers		200	Nos.	1.20
11	Additive dosing machines		50	Nos.	10.80
12	Carousal Cards in Nos.		360	Nos.	3.02
13	Mech Seals (Refurbishing) Nos.for LPG Pump		93	Nos.	3.35

14	Mech Seals New in Nos. for LPG Pump		20	Nos.	1.92
15	Valves / Flanges / Gaskets / Spares in Nos.		270	Nos.	8.10
16	Cables (Control / Power) in RMs		2790	Nos.	0.50
17	Pressure / Temp Transmitters/Gauges in Nos.		186	Nos.	2.23
18	Fire Engine / DG / DC Batteries in Nos.		3100	Nos.	5.58
19	Conveyor Chain in RM		4550	Nos.	6.55
20	Air Ends of Screw Compressors		37	Nos.	2.22
21	Spares (Filters & Accessories) Air Comp in Nos.		465	Nos.	1.39
22	LPG Vap Comp Seals / valves / Plates		279	Nos.	1.01
23	Lights and Fixtures / Bulbs / glands / JB's / Switches		9300	Nos.	1.12
24	Relays / Fuses		4650	Nos.	1.12
25	Printer Cartridges		558	Nos.	0.34
26	Sprockets / Cylinders / Shafts / wearing strips / Pneumatic tubing / connectors		1860	Nos.	3.72
27	Misc Spares /Car (sensors / connectors / cables etc)		186	Nos.	2.23
28	TLD / TLF Spares		744	Nos.	2.23
29	Structural steel for Conv / Misc Works in MT		400	Nos.	1.82
30	Diesel / Fire Engine Spares / filters / glands		651	Nos.	5.47
31	Spares for Level gauges / transmitters		279	Nos.	3.35
32	Fire / SCADA / GMS Panel Spares / MIMIC / sensors / transmitter		279	Nos.	1.395
33	CCTV spares / modules		93	Nos.	1.67
34	Load cells for weigh bridges / weighing scales / carousals		900	Nos.	2.70
35	Centering Arms of carousals		2250	Nos.	0.32

Procurement of LPG Cylinders & P Regulator

Sl. No.	Description of item	Broad specification Parameters	Quantity	Accounting Unit	Estimated Value of procurement in Rs/Crores
1	14.2 Kg Cylinders (Including New & Replacement)		110000	Nos.	1686.32
2	19 Kg Cylinders (Including New & Replacement)		90000	Nos.	168.05
3	47.5 Kg Cylinders (Including New & Replacement)		5000	Nos.	23.11
4	5 Kg Cylinders (Including New & Replacement)		200000	Nos.	208.01
5	425 KG Cylinders		3000	Nos.	23.71
6	Pressure Regulators		750000	Nos.	130.38
7	Self Closing Valve		198000	Nos.	199.20

Procurement Projected _ Marketing - Lubes

Sl. No.	Description of item	Broad specification Parameters	Quantity	Accounting Unit	Estimated Value of procurement in Rs/Crores
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1	Synthetic base oil Poly alfa olefin 6 CST		600	MT	15.89
2	ST5014 (Lithium Hydroxide Monohydrate)		325	MT	22.68
3	ST56058 (PIB 1000)		2601	MT	32.18
4	Synthetic base oil Poly alfa olefin 100 CST, PAO 100(ST 55580)		300	MT	12.95
5	PIB of higher molecular wt.(ST 56032/ST 56036)		306	MT	4.88
6	Synthetic base oil Poly alfa olefin 4 CST, PAO 40(ST 55578)		317	MT	12.85

Procurement Projected_Pipelines

Sl. No.	Description of item	Broad specification Parameters	Quantity	Accounting Unit	Estimated Value of procurement In Rs/Crores
1	Marine Hoses		60	Nos	24

**Capex Procurement
Projected R&D**

Sl. No.	Description of item	Broad specification Parameters	Quantity	Accounting Unit	Estimated Value of procurement in Rs/Crores
1	Heavy End Hydroprocessing Pilot Plant (part)	Capacity up to 1000 g/hr, H2 rate up to 600 SLPH, Pressure 200 bar, temperature 500 degC	1	No.	2.10
2	Asphaltene Extraction system	Weigh scales, Ovens, Rotary evaporators, Asphaltene extractors	4	Nos.	0.31
3	Hydrogen Generation Plants (Electrolyzer)	Capacity 6 NM3/hr each, 99.999% H2 Purity	2	Nos.	4.34
4	GC-SCD		1	lot	0.70
5	Eluent Generator for IC		1	lot	0.20
6	UV-Vis-NIR Spectrometer		1	lot	0.57
7	Glassware washers		1	lot	0.31
8	Lab furniture (F&A block)		1	lot	1.04
9	Tube rater for JFTOT		1	lot	0.58
10	Deep freezer		1	No	0.02
11	Distillation D86 apparatus		1	No	0.15
12	Stability analyzer for residual fuel		1	No	0.50
13	Low temperature bath		1	No	0.03
14	Oil foaming bath		1	No	0.15
15	Vacuum pump		1	No	0.04
16	Ultra Low Temperature Systems		2	No	0.10
17	Re-circulating Chiller-0.5KW Cooling Capacity		1	No	0.22
18	Low temperature impact tester		1	No	0.59
19	Solar based Hydrogen Infrastructure		1	Nos	7.1
20	Natural gas and bio-CNG reforming based hydrogen infrastructure		1	Nos	6.9
21	Development of oxy-steam biomass gasification process		1	Lot	4.6
22	Membrane performance evaluation test facility (release of balance 10% payment after installation and commissioning)		1	Nos	0.3
23	Micropipettes	1-1000 µL	3	Nos.	<0.01
24	Hot plate magnetic stirrer	Max. 350 °C	2	Nos	0.02
25	Rotary Evaporator	Max. 200 °C	1	Nos	0.12
26	Analytical balance	220 g/82 g with readability of 0.1/0.01 mg	1	Nos	0.07
27	Ultrapure water dispenser	Type-1 water	1	Nos.	0.09
28	Muffle furnace	1400 °C	1	Nos	0.17
29	Hot air oven	250 °C	1	Nos	0.01
30	Vacuum oven	200 °C	1	Nos	0.08
31	Centrifuge	50 ml, 20000 rpm	1	Nos.	0.03
32	pH meter	-2..20 pH	1	Nos	0.01
33	Micro Scale Reactor Unit		1	Nos.	-
34	Integrated Gasification Plant		1	No	-

				s.	
35	Advanced Metallurgical Microscope		1	No s.	0.5
36	High temperature furnace		1	No s.	0.1
37	Design of Experiment (DOE) Software	Concurrent network license for 4 years term with warranty cover	5	No s.	0.13
38	MATLAB Software and associated toolboxes	Perpetual named network license with 1 year warranty	3	No s.	0.15
39	Vacuum Oven		2	No s.	0.26
40	Scale		2	No s.	0.08
41	Balance		2	No s.	0.17
42	Magnetic Stirrer		2	No s.	0.06
43	Over head stirrer		2	No s.	0.06
44	Colloidal mill		1	No s.	0.49
45	Three Roll Mill		1	No s.	2.03
46	Online PSA		1	No s.	0.93
47	Lab Equipments - Microwave reactor Microwave furnace Salt spray machine		04	No s.	0.97
Procurement Projected - For Repair & Maintance					
Sl. No.	pH meter	-2..20 pH	1	Nos	0.01
1	Micro Scale Reactor Unit		1	Nos.	-
2	Integrated Gasification Plant		1	Nos.	-
3	Planetary centrifugal mixture		1	Nos.	0.3
4	Mechanical ARC			Lumpsum	0.09
5	Spares of Electrolyser and compressor unit		1	Lot	0.35
6	AMC of Hydrogen Infrastructure		1	Lot	0.76
7	AMC of BELSORP HP instrument		1	Lot	0.01
8	AMC of BET Surface area Analyzer		1	Lot	0.01
9	Spares of BELSORP HP instrument		1	Lot	0.04
10	Spares of BET Surface area Analyzer		1	Lot	0.04
11	TECS (AMC) of ANSYS CFD software		1	SU	0.08
12	AMC of DCN Analyzer		1	SU	0.02
13	608 test bearings	For Noise testing rig	10	Lot	0.02
FINANCIAL YEAR 2025-26					
Capex Procurement Projected R&D					
Sl. No.	Description of item	Broad specification Parameters	Quantity	Accounting Unit	Estimated Value of procure

					ment in Rs/Cror es
1	Heavy End Hydroprocessing Pilot Plant (part)	Capacity up to 1000 g/hr, H2 rate up to 600 SLPH, Pressure 200 bar, temperature 500 degC	1	No.	11.89
2	DCS card		1	No.	0.11
3	A3 Printer	Color laser printer	1	No.	0.02
4	GC-FID/TCD		1	lot	0.40
5	Sulfur/ Chloride		1	Lot	0.60
6	GC-VUV		1	Lot	1.00
7	GC-MS		1	Lot	1.00
8	GPC with multiple detector		1	lot	2.00
9	Up-gradation of NMR 500 MHz FT NMR		1	No	3.33
10	FT-IR Spectrometer		1	NO	1.50
11	Laboratory Equipments (Muffle furnace, Vacuum Oven, pH Meter, Hot Plate, Refrigerator)		1	lot	0.15
12	Particle size analyzer		1	no	0.40
13	Lab furniture(syn block)		1	lot	0.95
14	Density for LPG				0.12
16	Hot filtration tester				0.15
16	Cu strip corrosion for LPG (D1838)				0.18
17	KFT				0.30
18	Dual Beam UV-Vis Spectrophotometer		1	No	0.05
19	20L Automatic Rotary Evaporation System		1	No	0.25
20	Continuous Flow Reactor System		1	No	0.20
21	Gas Distribution System Upgradation		1	No	1.2
22	Automatic Titrator with KF		1	No	0.50
23	Explosion Proof Refrigerators		4	No s	0.12
24	Explosion Proof Freezers		2	No s	0.08
25	Waste Plastic pyrolysis unit		1	No	4
26	Styrene Purification Unit to convert Crude Styrene from waste to monomer grade Styrene (approx. 1-2 TPD Continuous unit)		1	No	35
27	High Pressure Autoclaves		1	No	0.78
28	UTM with accessories		1	No	1.2
29	Spares of Electrolroyer and compressor unit		1	Lot	0.35
30	AMC of Hydrogen Infrastructure		1	Lot	0.76
31	AMC of BELSORP HP instrument		1	Lot	0.01
32	AMC of BET Surface area Analyzer		1	Lot	0.01
33	Spares of BELSORP HP instrument		1	Lot	0.04
34	Spares of BET Surface area Analyzer		1	Lot	0.04
35	Solar based Hydrogen Infrastructure		1	No s.	48.23
36	Biomass Shredder		1	No s	0.02
37	Crusher		1	No s	0.02
38	Natural gas and bio-CNG reforming based hydrogen infrastructure		1	No s	39.1
39	Development of oxy-steam biomass gasification process		1	Lot	7.68
40	Micro scale reactor unit		1	No s.	4.8
41	Fume hood		1	No	0.07

				s.	
42	Liquid GC		1	No s.	0.6
43	Integrated Gasification Plant		1	No s.	22
44	Gasket fabrication machine for stack	For air cooled fuel cell air/water cooled	1	No s.	0.7
45	SOFC/ SOEC cell fabrication facility	i. Planetary Ball Milling machine 240 v, 50-60 Hz, 2800 Watt ii. Benchtop ultrathin Coating System (X-Y-Z motion) for coating fuel cell iii. Screen Printing machine (Screen Size up to 15 x 20 cm2 & Max Print area 40x35cm2) iv. PLANETARY VACUUM MIXER v. Overhead Stirrer – Direct Drive Stirrer – ~40 Ltr Gas Characterizer for fuel cell	1	No s.	6
46	Scanning electron microscope		1	no	1.2
47	Planetary Mixer & Vibrating table		1	no	.02
48	Renewal of Aspen Engineering Suite Software	Network license for 5 years term with SMS (AMC)		Lump sum	2.36
49	Fixed bed reactor cum adsorption setup		1	no	2.1
	Multi-Channel, multi compartment glove box with integrated facilities of: Weighing balance 2. Spin Coater/Slot-die Coater/Ink-Jet Coater 3. Programmed Hot Plate 4. Solar simulator 5. Vapour Deposition Setup (2) 6. Probe system for measurement 7. IV tester 8. Lamination unit		1	lot	3.0
50	Catalyst Slurry		1	no	2.28
51	Chemisorption		1	no	1.11
52	Spray Dryer		1	no	0.61
53	Dialometer		1	no	0.89
54	Lab Scale Hydrogen Furnace (with Scrubber & Gas Suction)		1	no	2.031
55	Lab Scale Hydrogen Furnace (with Scrubber & Gas Suction)		1	no	2.37
56	Nanometals and Metal oxide Synthesis Facility		1	lot	12.77
57	SRV		1	no	1.88
58	LFW-1		1	no	2.95
59	Lab Equipments - Grease Kettle – 2Kg and 5 Kg Automatic Penetrometer Drop point apparatus Wheel bearing leakage tester(variable RPM)		04	No s.	1.20

Procurement Projected - For Repair & Maintenance

Sl. No.	Description of item	Broad specification Parameters	Quantity	Accounting Unit	Estimated Value of procurement in Rs/Crores
1	Reactors for 4 MRU		8	Nos.	0.50

2	Dryer spares		16	Nos.	0.05
3	Tescom regulator spares		5	Nos.	0.10
4	Maintenance for single cell and stack test stations		1	Lot	0.03
5	Instrumentation Spares for pilot plant		4	Lot	-
6	Spares parts for Fuel cell stations		1 set		0.3
7	TECS (AMC) of ANSYS CFD software		1	SU	0.085
8	AMC of DCN Analyzer		1	SU	0.025
9	AMC of MATLAB software		1	SU	0.03
10	Acrylic plates	For ASTM D 1404 Deleterious particle test			

FINANCIAL YEAR 2026-27

**Capex Procurement
Projected R&D**

Sl. No.	Description of item	Broad specification Parameters	Quantity	Accounting Unit	Estimated Value of procurement in Rs/Crores
1	Hydrogen compressors	Capacity 15 NM3 each, Diaphragm type, 250 bar	2	No.	8
2	SIMDIST		1	No	0.40
3	Biodiesel-Analyser		1	No	0.40
4	UPLC-MS (with multiple detector)		1	lot	2.00
5	HPLC with PDA/RI		1	lot	1.50
6	Rotavapor		1	No	0.15
7	FT-NIR Spectrometer		1	No	0.50
8	ICP-OES		1	No	1.00
9	Silver corrosion				0.10
10	Automatic smoke point				0.20
11	Vapor pressure analyzer for LPG				0.11
12	Fuel analyzer for higher alcohol blended gasoline				0.16
13	Diesel analyzer				0.60
14	Abel flash point apparatus				0.18
15	Magnetic Hotplates		10	Nos	0.10
16	Automatic Multipurpose Reactor System		1	No	0.20
17	Vacuum Ovens		2	Nos	0.20
18	Particle Size Analyzer		1	No	0.20
19	Density meter		1	No	0.10
20	Twin Screw extruder with accessories		1	No	1.0
21	Solar based Hydrogen Infrastructure		1	Nos.	8.03
22	Biomass gasification based hydrogen production demo plant		1	Nos	20.0
23	Single cell test station for PEM fuel cell with utilities		1	Nos.	2
24	PEM fuel cell system test station	Upto 10 kW	1	Nos.	5
25	Universal Testing Machine (UTM)		1	Nos.	1.50
26	Hydrogen determinator		1	Nos	1.00
27	Sample cutting & modification		1	No	0.20

	equipment			s.	
28	Thermal conductivity measurement		1	No s.	0.60
29	Molecular Modeling Software & hardware	Network license with HPC core server & customized service	1	No .	2.0
30	TGA with GC		1	no	1.76
31	Lab Equipments - Flow pressure test equipment (DIN Method) Grease Workers (02 Nos.) Oxidation stability test apparatus Lincoln Ventimeter apparatus		04	No s.	1.30

Procurement Projected - For Repair & Maintenance

Sl. No.	Description of item	Broad specification Parameters	Quantity	Accounting Unit	Estimated Value of procurement in Rs/Crores
1	Control valve trims		8	Nos	0.10
2	Other pilot plant spares like spares of pumps, compressors, heaters, valves, tubing, etc.		1	lot	0.40
3	AMC of BELSORP HP instrument		1	Lot	0.01
4	AMC of BET Surface area Analyzer		1	Lot	0.01
5	Spares of BELSORP HP instrument		1	Lot	0.04
6	Spares of BET Surface area Analyzer		1	Lot	0.04
7	AMC for micro gas chromatograph		1	Lot	0.02
8	Spares for fuel cell station		1	Lot	0.5
9	TECS (AMC) of ANSYS CFD software		1	SU	0.09
10	AMC of DCN Analyzer		1	SU	0.03
11	AMC of MATLAB software		1	SU	0.033
12	Bearings	For ASTM D 1743 corrosion preventive test	200	Nos.	0.04
13					
14					
15					

FINANCIAL YEAR 2027-28

Capex Procurement Projected R&D

Sl. No.	Description of item	Broad specification Parameters	Quantity	Accounting Unit	Estimated Value of procurement in Rs/Crores
1	H2 cylinder bank	250 bar H2 pressure	1	lot	0.20
2	N/S Analyser		1	No	0.60
3	HPLC with RI/PDA/CAD		1	lot	1.20
4	FT-Raman Spectrometer		1	lot	1.25
5	TEM		1	Lot	5.00
6	Density meter				0.15
7	Cu corrosion apparatus				0.12
8	Weighing balance (2 No. through GEM)				0.4
9	Pour point bath apparatus				0.22
10	Refractive Index apparatus				0.15
11	Refractometer (ATF)				0.30

12	Rancimat apparatus				0.30
13	PMCC flash point				0.15
14	Overhead Digital Stirrers		10	No s	0.15
15	Benchtop Automatic Rotary Evaporation System		1	No	0.12
16	Multi-Purpose Fixed Bed Reactor Unit		1	No	1.50
17	Magnetic Hotplates		3	No	0.30
18	PEM fuel single cell station along with utilities	0-200 Watts	3	No s.	5
19	PEM fuel cell stack tests station	0-20 kW	1	No s.	15
20	Fuel cell stack assembly	For 1-50 kW	1	No s.	10
21	C-S Analyser		1	No s.	1.00
22	API 579 Software		1	No s.	0.50
23	hydraulic press		1	No s.	0.10
24	Renewal of CFD Software & hardware	Perpetual network license	2	No.	2.0
25	Renewal of Molecular modeling software	License with HPC core	1	No.	0.6
26	Three Roll Mill		1	lot	2.03
27	Homogernizer Lab Scale		1	no	1.17
28	ETV-ICP for Graphite		1	no	1.58
29	High Pressure Reactor		4	No	4.78
30	Freeze Dryer		2	no	3.21
31	Lab Equipments - Grease kettle - 10 Kg Water spray off test apparatus Refractometer Distilled water plant		04	No s.	0.90

Procurement Projected - For Repair & Maintenance

TEM

Sl. No.	Description of item	Broad specification Parameters	Quantity	Accounting Unit	Estimated Value of procurement in Rs/Crores
1	Pilot plant spares like spares of check valves, weigh scales, PLC cards, etc.		1	Lot	0.50
2	AMC of BELSORP HP instrument		1	Lot	0.01
3	AMC of BET Surface area Analyzer		1	Lot	0.01
4	Spares of BELSORP HP instrument		1	Lot	0.04
5	Spares of BET Surface area Analyzer		1	Lot	0.04
6	AMC of DCN Analyzer		1	SU	0.035
7	AMC of MATLAB software		1	SU	0.037
8					

FINANCIAL YEAR 2028-29

Capex Procurement Projected R&D

Sl. No.	Description of item	Broad specification Parameters	Quantity	Accounting Unit	Estimated Value of procurement in
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					Rs/Crores
1	Micro Reactor Unit	Capacity up to 150 g/hr, H2 rate up to 500 SLPH, Pressure 180 bar, temperature 450 degC	2	No.	6
2	GC-FID				0.40
3	CHNS Analyser				0.50
4	TGA-IR				0.95
5	Up-gradation of Jeol NMR or New NMR		1	lot	3.33
6	Mini Flash point tester				0.16
7	Micro distillation apparatus				0.39
8	WSIM analyzer				0.18
9	Viscometer-SVM				0.32
10	JFTOT				0.90
11	RSSOT analyzer				0.20
12	Oxidation Stability analyzer				0.20
13	Melting Point Apparatus		1	No	0.10
14	Rheotens		1	No	0.75
15	TGA		1	No	0.80
16	Business Analytics Software	Perpetual license with customized service	2	No	0.5
17	Renewal of MATLAB Software	Perpetual named network license with 1 year warranty	5	No.	0.2
18	Balls and plates for tribometer		200	Nos	0.04
19					

Procurement Projected - For Repair & Maintenance

Sl. No.	Description of item	Broad specification Parameters	Quantity	Accounting Unit	Estimated Value of procurement in Rs/Crores
1	Pilot plant spares of level controllers, chillers, pressure gauges, etc				0.50
2	AMC of BELSORP HP instrument		1	Lot	0.01
3	AMC of BET Surface area Analyzer		1	Lot	0.01
4	Spares of BELSORP HP instrument		1	Lot	0.04
5	Spares of BET Surface area Analyzer		1	Lot	0.04
6	TECS (AMC) of ANSYS CFD software		2	SU	0.19
7	AMC of DCN Analyzer		1	SU	0.04

FINANCIAL YEAR- 2024-25

LUBES ADDITIVES & SPECIALITY BASE OILS PROCUREMENT

	Additive	Alternate				
1	1245	1244		15.17	MTs	0.63
2	1410	1414		280.48	MTs	7.01
3	1415	1415/1417/1418		252.25	MTs	5.36
4	1419			1.10	MTs	0.02
5	1504			11.03	MTs	0.42
6	1539	1244		5.72	MTs	0.28
7	1567	1526		287.53	MTs	7.94
8	1604	1490		1,484.63	MTs	29.15
9	1623	1617		1,576.58	MTs	34.71
10	1658	1659		3,307.50	MTs	70.85
11	1660	1678		869.87	MTs	19.15
12	1685	1617/1772+4574		11.61	MTs	0.32
13	1708			5.29	MTs	0.38
14	1722			4.77	MTs	0.25
15	1724			155.22	MTs	3.86
16	1734	1732		889.70	MTs	18.57
17	2010			10.80	MTs	0.21
18	2034			26.92	MTs	0.35
19	2120	2118		16.98	MTs	1.10
20	2130	2098		11.03	MTs	1.08
21	3002			1,967.14	MTs	27.46
22	3006			9.64	MTs	0.09
23	3008			107.67	MTs	1.43
24	3010			34.35	MTs	0.76
25	3012			505.88	MTs	5.42
26	3028			30.35	MTs	0.93
27	3039			3.75	MTs	0.03
28	3066			6.14	MTs	0.41
29	3084			43.74	MTs	2.16
30	3088			0.55	MTs	0.01
31	3090			12.57	MTs	0.33
32	3098			7.44	MTs	1.02
33	3514			1,433.25	MTs	19.26
34	3544			189.63	MTs	1.98
35	3554			102.92	MTs	1.78
36	3558			134.51	MTs	2.16
37	3570			166.30	MTs	2.20
38	3572			30.43	MTs	0.22
39	3574			1,653.75	MTs	16.59
40	3575			130.08	MTs	1.42
41	3580			0.55	MTs	0.91
42	4025			5.51	MTs	0.24
43	4027			1.10	MTs	0.02
44	4047			0.13	MTs	0.02
45	4058			4.90	MTs	1.38
46	4064			160.94	MTs	2.97
47	4096			81.14	MTs	1.83
48	4098			4.94	MTs	0.21
49	4529	4542		209.48	MTs	11.01
50	4543			6.62	MTs	1.99
51	4556			23.04	MTs	4.15
52	4587			0.28	MTs	0.01
53	5012			4.96	MTs	0.02
54	5014			314.38	MTs	21.70
55	5016			2.76	MTs	0.02
56	5021			5.51	MTs	0.06
57	5028			1.98	MTs	0.07

58	5044			171.99	MTs	1.63
59	5060			119.32	MTs	0.81
60	5067			55.13	MTs	1.46
61	5080			0.88	MTs	0.02
62	5082	5076		165.38	MTs	3.94
63	5516			1.65	MTs	0.01
64	5522			148.64	MTs	4.38
65	5523			0.35	MTs	0.03
66	5534			2.48	MTs	0.10
67	5560			5.21	MTs	0.06
68	6001			3.86	MTs	0.22
69	6011			101.68	MTs	3.16
70	6012			130.04	MTs	3.77
71	6017	6038/6102		7.68	MTs	0.18
72	6051			403.05	MTs	17.88
73	6084	6082		101.87	MTs	1.30
74	6100	6037		224.00	MTs	9.46
75	6102	6038/6017		465.94	MTs	6.63
76	6202			11.03	MTs	0.32
77	6210			5.29	MTs	0.32
78	6218			1.10	MTs	0.04
79	6548			19.29	MTs	0.82
80	6552			51.13	MTs	2.45
81	6554			1.35	MTs	0.07
82	6566			55.76	MTs	2.01
83	6590			0.40	MTs	0.03
84	7014			0.55	MTs	0.02
85	7024			0.44	MTs	0.12
86	7029			0.44	MTs	0.02
87	8002			37.93	MTs	2.25
88	8014			50.72	MTs	1.64
89	8038	80381		5.17	MTs	0.33
90	8052			1.65	MTs	0.03
91	8072			0.55	MTs	0.01
92	8075			30.87	MTs	0.42
93	8089			15.44	MTs	1.11
94	8102			0.66	MTs	0.01
95	8121	8133/8120		694.80	MTs	11.74
96	8138			31.02	MTs	1.18
97	8153			0.22	MTs	0.01
98	8171			4.40	MTs	0.02
99	8194			66.15	MTs	1.65
100	8528			0.55	MTs	0.94
101	8540			1.65	MTs	0.18
102	8560			8.17	MTs	0.07
103	40621	4062		49.65	MTs	1.68
104	55901	5590		2.38	MTs	0.10
105	56036	56032		277.83	MTs	3.61
106	56058			2,679.08	MTs	31.08
107	65548			0.88	MTs	0.02
108	65562			134.51	MTs	1.62
109	65646	65684/65682		99.23	MTs	1.83
110	65654	65684/65682		52.92	MTs	0.95
111	1050			25.00	MTs	2.88
112	1256			0.41	MTs	0.01
113	1300			2.45	MTs	0.14
114	1304			29.98	MTs	1.07
115	1350			114.31	MTs	3.54
116	1414			171.95	MTs	4.55
117	1418	1296		13.72	MTs	0.57

118	1426			11.11	MTs	0.29
119	1427			47.55	MTs	1.21
120	1431			2.36	MTs	0.10
121	1436			3.62	MTs	0.22
122	1442			1.31	MTs	0.08
123	1453			45.88	MTs	1.89
124	1468			184.43	MTs	5.78
125	1475			1,460.13	MTs	32.32
126	1477			6.84	MTs	0.22
127	1478			12.11	MTs	0.28
128	1482			46.80	MTs	1.62
129	1490		1604	101.07	MTs	2.30
130	1492		1474	396.10	MTs	13.20
131	1496			4.48	MTs	0.36
132	1500			18.43	MTs	0.67
133	1505			81.27	MTs	2.32
134	1512			1.79	MTs	0.05
135	1516			23.20	MTs	0.66
136	1527		1242	13.23	MTs	1.01
137	1541			2.87	MTs	0.09
138	1545	1599/1613		386.62	MTs	8.06
139	1546			603.29	MTs	13.27
140	1552		1554	709.35	MTs	18.23
141	1560			65.30	MTs	2.04
142	1573			67.08	MTs	2.37
143	1574			25.03	MTs	0.91
144	1585			1.30	MTs	0.07
145	1586			81.29	MTs	2.34
146	1587			104.87	MTs	3.71
147	1589			64.13	MTs	2.49
148	1596			2.30	MTs	0.06
149	1597			8.12	MTs	0.48
150	1617	1774/1772		1,433.25	MTs	26.95
151	1618			10.64	MTs	0.47
152	1619		1410	421.97	MTs	9.11
153	1632			37.52	MTs	2.26
154	1642			741.99	MTs	22.14
155	1644			343.71	MTs	12.68
156	1652		1658	551.25	MTs	12.07
157	1659		1658	1,068.37	MTs	20.85
158	1662			22.38	MTs	1.08
159	1664			11.90	MTs	0.74
160	1672			4.17	MTs	0.21
161	1674			799.53	MTs	37.03
162	1676			1,055.40	MTs	27.25
163	1678		1660	350.12	MTs	8.92
164	1682			155.67	MTs	4.94
165	1684			300.28	MTs	8.18
166	1694		1660	669.68	MTs	15.14
167	1700			0.89	MTs	0.04
168	1710	1712/1714		220.50	MTs	6.82
169	1718			1.72	MTs	0.10
170	1728			17.99	MTs	0.82
171	1730			1.68	MTs	0.09
172	2006			61.29	MTs	3.60
173	2014			0.75	MTs	0.08
174	2046			3.51	MTs	0.15
175	2061			45.25	MTs	3.07
176	2064			5.02	MTs	0.42
177	2065			33.08	MTs	2.27

178	2067			4.74	MTs	1.06
179	2068			2.62	MTs	0.42
180	2082			1.37	MTs	0.12
181	2116			213.28	MTs	12.94
182	2117			177.38	MTs	7.81
183	2124			111.99	MTs	6.66
184	2146			9.05	MTs	1.51
185	2152		2158	5.07	MTs	1.72
186	2154			65.90	MTs	5.16
187	2160			673.10	MTs	43.81
188	2170			1.88	MTs	0.18
189	2176			6.59	MTs	0.51
190	2182			0.23	MTs	0.02
191	3001			13.90	MTs	1.18
192	3080			5.86	MTs	0.46
193	3082			0.65	MTs	0.05
194	4540			6.26	MTs	0.22
195	4552			1.05	MTs	0.07
196	4554		4528	57.26	MTs	2.35
197	4562		4528	40.06	MTs	1.78
198	4569			2.00	MTs	0.27
199	4598			20.70	MTs	1.03
200	4600			1.40	MTs	0.15
201	4602			4.84	MTs	0.40
202	6000		6114	385.88	MTs	12.40
203	6008			25.20	MTs	1.65
204	6028			259.96	MTs	3.83
205	6030			8.93	MTs	0.44
206	6032			63.15	MTs	3.25
207	6037		6100	515.97	MTs	24.56
208	6038			1,207.72	MTs	17.27
209	6039			1.63	MTs	0.12
210	6063			341.84	MTs	19.15
211	6078			16.11	MTs	1.20
212	6092			2,015.79	MTs	37.85
213	6110			3.58	MTs	0.25
214	6204			11.00	MTs	0.44
215	6212			30.69	MTs	1.88
216	6556			18.43	MTs	0.89
217	6558			110.25	MTs	7.11
218	6562			6.17	MTs	0.38
219	6594			6.90	MTs	0.40
220	6596			1.47	MTs	0.12
221	6598			107.21	MTs	5.69
222	7012			1.28	MTs	0.14
223	7022			16.12	MTs	1.93
224	7040			2.43	MTs	0.53
225	8026			1.77	MTs	0.15
226	8027			4.75	MTs	0.87
227	8040			3.49	MTs	0.23
228	8082			19.79	MTs	1.29
229	8180			14.55	MTs	1.10
230	20041	2004/20042		30.87	MTs	2.21
231	56038			13.38	MTs	0.38
232	56040			1.64	MTs	0.10
233	65630			17.86	MTs	1.50
234	80381			1.10	MTs	0.07
235	1233	1236/1231		103.64	MTs	3.92
236	1236			0.69	MTs	0.03
237	1274			2.17	MTs	0.20

238	1515		165.38	MTs	5.70
239	1544		7.12	MTs	0.25
240	1551	1507/1534	24.84	MTs	1.05
241	1553	1599+3001/1543+460 1	128.13	MTs	3.08
242	1557		8.17	MTs	0.27
243	1575	1738/1770	8.89	MTs	0.25
244	1594	1516	20.74	MTs	0.69
245	1608	2002	0.22	MTs	0.02
246	1638	1647	141.12	MTs	3.70
247	1643	1617/1585+1621	352.80	MTs	5.75
248	1668	1547	53.80	MTs	1.91
249	1683		0.62	MTs	0.04
250	1740		926.10	MTs	44.08
251	1746		384.24	MTs	8.57
252	1748		100.97	MTs	3.26
253	1750		31.51	MTs	1.24
254	1766		76.73	MTs	1.81
255	2050		73.78	MTs	1.23
256	2066		37.29	MTs	3.00
257	2092		19.11	MTs	1.05
258	2098		7.64	MTs	0.92
259	2136		39.69	MTs	3.52
260	2184		79.39	MTs	4.82
261	3014		293.47	MTs	3.60
262	3022		2.21	MTs	0.02
263	3030		50.59	MTs	0.45
264	3074		108.05	MTs	1.49
265	3086		1.10	MTs	0.01
266	3102		267.29	MTs	3.03
267	3520		28.22	MTs	0.65
268	3522		3.31	MTs	0.04
269	4010		588.74	MTs	2.77
270	4053		63.50	MTs	4.26
271	4072		0.64	MTs	0.08
272	4074		0.22	MTs	0.03
273	4100		13.89	MTs	0.25
274	4535		44.10	MTs	7.78
275	4550		0.22	MTs	0.08
276	4558		63.50	MTs	2.38
277	4595		0.79	MTs	0.10
278	4597		141.40	MTs	6.32
279	4614		0.44	MTs	0.02
280	5004		2.76	MTs	0.02
281	5011		54.66	MTs	1.32
282	5050		5.51	MTs	0.14
283	5052		5.51	MTs	0.14
284	5053		8.82	MTs	0.84
285	5064		41.23	MTs	2.33
286	5074		4.41	MTs	0.04
287	5082	5076	112.19	MTs	2.10
288	5084		3.35	MTs	0.08
289	5514		3.97	MTs	0.04
290	6025	6012/6015	164.32	MTs	4.16
291	6074		210.79	MTs	8.78
292	6096		57.11	MTs	1.65
293	6104		41.29	MTs	1.65
294	6108		90.10	MTs	1.23
295	6200	6037	1.24	MTs	0.06
296	6214		27.56	MTs	1.23

297	6216			198.45	MTs	3.66
298	6544			26.80	MTs	1.26
299	6546			6.62	MTs	0.31
300	6550			0.39	MTs	0.02
301	6560			0.81	MTs	0.04
302	6588			280.81	MTs	3.60
303	8086			4.85	MTs	0.39
304	8108			0.55	MTs	0.16
305	8118			2.88	MTs	0.60
306	8176			6.35	MTs	0.60
307	8594			3.31	MTs	0.12
308	8598			1.24	MTs	0.07
309	56060			17.00	MTs	0.58
310	63552			296.13	MTs	9.90
311	65538			275.38	MTs	2.26
312	65550			275.63	MTs	3.84
313	65568			0.88	MTs	0.03
314	65584			57.99	MTs	1.79
315	65642			1.99	MTs	0.07
316	65644			1.56	MTs	0.06
317	65694			94.59	MTs	1.69
318	65706			19.05	MTs	1.94
319	1052			3.53	MTs	0.23
320	1206		108	10.38	MTs	0.63
321	1244		1245	220.50	MTs	10.76
322	1306			1.35	MTs	0.05
323	1543	1599/1613		2,182.95	MTs	42.91
324	1647		1668	149.41	MTs	4.22
325	1673			18.04	MTs	0.67
326	1711			91.07	MTs	2.66
327	1732			635.02	MTs	16.34
328	1738			13.23	MTs	0.39
329	1742			15.44	MTs	0.36
330	1744			2.92	MTs	0.12
331	2042			0.21	MTs	0.02
332	2101		2100	200.54	MTs	10.32
333	2134		2131	396.90	MTs	16.06
334	4565		4568	211.76	MTs	10.01
335	6082		6084	207.60	MTs	2.72
336	55570			496.13	MTs	20.66
337	55578			275.63	MTs	12.14
338	55580			220.50	MTs	10.08
339	55552			198.45	MTs	8.27
340	55572			220.50	MTs	9.76
341	55576			209.48	MTs	9.25
342	8145		8144	66.15	MTs	3.33
343	1752	1756/1758		55.13	MTs	2.03
344	6102		6038	3,307.50	MTs	59.04
345	6006		6118	3,307.50	MTs	57.07
346	1768		1770	55.13	MTs	1.71
347	8162	81621/81622/81623		110.25	MTs	4.20
348	2007		20071	3.31	MTs	0.30
349	1764	1666/1756		55.13	MTs	2.30

FINANCIAL YEAR- 2025-26

LUBES ADDITIVES & SPECIALITY BASE OILS PROCUREMENT

	Additive	Alternate				
1	1245	1244		15.92	MTs	0.66
2	1410	1414		294.50	MTs	7.36
3	1415	1415/1417/1418		264.86	MTs	5.63
4	1419			1.16	MTs	0.03

5	1504			11.58	MTs	0.44
6	1539		1244	6.01	MTs	0.29
7	1567		1526	301.91	MTs	8.34
8	1604		1490	1,558.86	MTs	30.61
9	1623		1617	1,655.40	MTs	36.44
10	1658		1659	3,472.88	MTs	74.39
11	1660		1678	913.37	MTs	20.11
12	1685	1617/1772+4574		12.19	MTs	0.34
13	1708			5.56	MTs	0.40
14	1722			5.01	MTs	0.26
15	1724			162.98	MTs	4.05
16	1734		1732	934.19	MTs	19.50
17	2010			11.34	MTs	0.22
18	2034			28.26	MTs	0.36
19	2120		2118	17.83	MTs	1.15
20	2130		2098	11.58	MTs	1.13
21	3002			2,065.49	MTs	28.83
22	3006			10.12	MTs	0.10
23	3008			113.05	MTs	1.51
24	3010			36.07	MTs	0.80
25	3012			531.18	MTs	5.69
26	3028			31.87	MTs	0.98
27	3039			3.94	MTs	0.03
28	3066			6.45	MTs	0.43
29	3084			45.93	MTs	2.27
30	3088			0.58	MTs	0.01
31	3090			13.20	MTs	0.35
32	3098			7.81	MTs	1.07
33	3514			1,504.91	MTs	20.22
34	3544			199.11	MTs	2.08
35	3554			108.06	MTs	1.86
36	3558			141.23	MTs	2.27
37	3570			174.62	MTs	2.31
38	3572			31.95	MTs	0.23
39	3574			1,736.44	MTs	17.42
40	3575			136.59	MTs	1.50
41	3580			0.58	MTs	0.96
42	4025			5.79	MTs	0.25
43	4027			1.16	MTs	0.02
44	4047			0.14	MTs	0.02
45	4058			5.14	MTs	1.45
46	4064			168.99	MTs	3.12
47	4096			85.20	MTs	1.93
48	4098			5.19	MTs	0.22
49	4529		4542	219.95	MTs	11.56
50	4543			6.95	MTs	2.09
51	4556			24.19	MTs	4.36
52	4587			0.30	MTs	0.01
53	5012			5.21	MTs	0.02
54	5014			330.10	MTs	22.78
55	5016			2.89	MTs	0.02
56	5021			5.79	MTs	0.07
57	5028			2.08	MTs	0.07
58	5044			180.59	MTs	1.71
59	5060			125.28	MTs	0.85
60	5067			57.88	MTs	1.53
61	5080			0.93	MTs	0.02
62	5082		5076	173.64	MTs	4.13
63	5516			1.74	MTs	0.01
64	5522			156.07	MTs	4.60

65	5523			0.37	MTs	0.03
66	5534			2.60	MTs	0.11
67	5560			5.48	MTs	0.06
68	6001			4.05	MTs	0.23
69	6011			106.76	MTs	3.32
70	6012			136.54	MTs	3.95
71	6017	6038/6102		8.07	MTs	0.19
72	6051			423.20	MTs	18.77
73	6084		6082	106.96	MTs	1.36
74	6100		6037	235.20	MTs	9.94
75	6102	6038/6017		489.24	MTs	6.96
76	6202			11.58	MTs	0.33
77	6210			5.56	MTs	0.34
78	6218			1.16	MTs	0.04
79	6548			20.26	MTs	0.86
80	6552			53.68	MTs	2.57
81	6554			1.42	MTs	0.07
82	6566			58.55	MTs	2.11
83	6590			0.42	MTs	0.03
84	7014			0.58	MTs	0.02
85	7024			0.46	MTs	0.13
86	7029			0.46	MTs	0.02
87	8002			39.82	MTs	2.36
88	8014			53.25	MTs	1.72
89	8038		80381	5.43	MTs	0.35
90	8052			1.74	MTs	0.03
91	8072			0.58	MTs	0.01
92	8075			32.41	MTs	0.44
93	8089			16.21	MTs	1.17
94	8102			0.69	MTs	0.01
95	8121	8133/8120		729.54	MTs	12.33
96	8138			32.58	MTs	1.24
97	8153			0.23	MTs	0.01
98	8171			4.62	MTs	0.03
99	8194			69.46	MTs	1.74
100	8528			0.58	MTs	0.99
101	8540			1.74	MTs	0.19
102	8560			8.58	MTs	0.07
103	40621		4062	52.13	MTs	1.77
104	55901		5590	2.50	MTs	0.10
105	56036		56032	291.72	MTs	3.79
106	56058			2,813.03	MTs	32.64
107	65548			0.93	MTs	0.03
108	65562			141.23	MTs	1.70
109	65646	65684/65682		104.19	MTs	1.92
110	65654	65684/65682		55.57	MTs	1.00
111	1050			26.25	MTs	3.03
112	1256			0.44	MTs	0.01
113	1300			2.57	MTs	0.14
114	1304			31.48	MTs	1.12
115	1350			120.03	MTs	3.71
116	1414			180.54	MTs	4.78
117	1418		1296	14.40	MTs	0.60
118	1426			11.66	MTs	0.30
119	1427			49.93	MTs	1.27
120	1431			2.48	MTs	0.11
121	1436			3.80	MTs	0.23
122	1442			1.38	MTs	0.08
123	1453			48.18	MTs	1.98
124	1468			193.65	MTs	6.07

125	1475			1,533.14	MTs	33.93
126	1477			7.18	MTs	0.23
127	1478			12.71	MTs	0.30
128	1482			49.14	MTs	1.70
129	1490		1604	106.12	MTs	2.41
130	1492		1474	415.90	MTs	13.86
131	1496			4.71	MTs	0.38
132	1500			19.35	MTs	0.70
133	1505			85.33	MTs	2.44
134	1512			1.88	MTs	0.05
135	1516			24.36	MTs	0.69
136	1527		1242	13.89	MTs	1.06
137	1541			3.02	MTs	0.09
138	1545	1599/1613		405.95	MTs	8.46
139	1546			633.45	MTs	13.93
140	1552		1554	744.82	MTs	19.14
141	1560			68.56	MTs	2.14
142	1573			70.44	MTs	2.49
143	1574			26.28	MTs	0.96
144	1585			1.37	MTs	0.07
145	1586			85.35	MTs	2.46
146	1587			110.12	MTs	3.89
147	1589			67.34	MTs	2.61
148	1596			2.42	MTs	0.06
149	1597			8.52	MTs	0.50
150	1617	1774/1772		1,504.91	MTs	28.30
151	1618			11.17	MTs	0.49
152	1619		1410	443.06	MTs	9.57
153	1632			39.39	MTs	2.37
154	1642			779.09	MTs	23.24
155	1644			360.90	MTs	13.31
156	1652		1658	578.81	MTs	12.67
157	1659		1658	1,121.79	MTs	21.89
158	1662			23.50	MTs	1.13
159	1664			12.50	MTs	0.78
160	1672			4.38	MTs	0.22
161	1674			839.51	MTs	38.88
162	1676			1,108.17	MTs	28.62
163	1678		1660	367.63	MTs	9.36
164	1682			163.46	MTs	5.18
165	1684			315.30	MTs	8.59
166	1694		1660	703.17	MTs	15.90
167	1700			0.94	MTs	0.04
168	1710	1712/1714		231.53	MTs	7.16
169	1718			1.81	MTs	0.11
170	1728			18.89	MTs	0.86
171	1730			1.77	MTs	0.09
172	2006			64.35	MTs	3.78
173	2014			0.79	MTs	0.08
174	2046			3.68	MTs	0.15
175	2061			47.51	MTs	3.22
176	2064			5.27	MTs	0.44
177	2065			34.73	MTs	2.38
178	2067			4.98	MTs	1.11
179	2068			2.75	MTs	0.44
180	2082			1.44	MTs	0.12
181	2116			223.95	MTs	13.59
182	2117			186.25	MTs	8.20
183	2124			117.58	MTs	6.99
184	2146			9.51	MTs	1.59

185	2152	2158		5.32	MTs	1.80
186	2154			69.20	MTs	5.41
187	2160			706.75	MTs	46.00
188	2170			1.97	MTs	0.19
189	2176			6.92	MTs	0.54
190	2182			0.25	MTs	0.02
191	3001			14.60	MTs	1.24
192	3080			6.16	MTs	0.48
193	3082			0.68	MTs	0.06
194	4540			6.58	MTs	0.23
195	4552			1.11	MTs	0.07
196	4554	4528		60.12	MTs	2.47
197	4562	4528		42.07	MTs	1.87
198	4569			2.10	MTs	0.29
199	4598			21.74	MTs	1.08
200	4600			1.47	MTs	0.16
201	4602			5.08	MTs	0.42
202	6000	6114		405.17	MTs	13.02
203	6008			26.46	MTs	1.74
204	6028			272.96	MTs	4.02
205	6030			9.38	MTs	0.46
206	6032			66.31	MTs	3.41
207	6037	6100		541.77	MTs	25.79
208	6038			1,268.11	MTs	18.13
209	6039			1.71	MTs	0.12
210	6063			358.93	MTs	20.11
211	6078			16.92	MTs	1.26
212	6092			2,116.58	MTs	39.74
213	6110			3.76	MTs	0.26
214	6204			11.55	MTs	0.46
215	6212			32.23	MTs	1.97
216	6556			19.35	MTs	0.93
217	6558			115.76	MTs	7.47
218	6562			6.48	MTs	0.40
219	6594			7.24	MTs	0.42
220	6596			1.54	MTs	0.13
221	6598			112.57	MTs	5.98
222	7012			1.35	MTs	0.14
223	7022			16.92	MTs	2.03
224	7040			2.55	MTs	0.56
225	8026			1.86	MTs	0.16
226	8027			4.99	MTs	0.92
227	8040			3.66	MTs	0.25
228	8082			20.78	MTs	1.36
229	8180			15.28	MTs	1.15
230	20041	2004/20042		32.41	MTs	2.32
231	56038			14.05	MTs	0.40
232	56040			1.72	MTs	0.11
233	65630			18.75	MTs	1.58
234	80381			1.15	MTs	0.07
235	1233	1236/1231		108.82	MTs	4.12
236	1236			0.72	MTs	0.03
237	1274			2.28	MTs	0.21
238	1515			173.64	MTs	5.98
239	1544			7.48	MTs	0.27
240	1551	1507/1534		26.08	MTs	1.10
241	1553	1599+3001/1543+460 1		134.54	MTs	3.24
242	1557			8.58	MTs	0.29
243	1575	1738/1770		9.34	MTs	0.27

244	1594	1516	21.77	MTs	0.73
245	1608	2002	0.23	MTs	0.02
246	1638	1647	148.18	MTs	3.89
247	1643	1617/1585+1621	370.44	MTs	6.04
248	1668	1547	56.49	MTs	2.01
249	1683		0.65	MTs	0.04
250	1740		972.41	MTs	46.29
251	1746		403.45	MTs	9.00
252	1748		106.02	MTs	3.43
253	1750		33.08	MTs	1.30
254	1766		80.57	MTs	1.90
255	2050		77.47	MTs	1.29
256	2066		39.15	MTs	3.14
257	2092		20.07	MTs	1.11
258	2098		8.02	MTs	0.97
259	2136		41.67	MTs	3.69
260	2184		83.36	MTs	5.06
261	3014		308.15	MTs	3.78
262	3022		2.32	MTs	0.02
263	3030		53.12	MTs	0.47
264	3074		113.45	MTs	1.57
265	3086		1.16	MTs	0.01
266	3102		280.65	MTs	3.18
267	3520		29.64	MTs	0.69
268	3522		3.47	MTs	0.04
269	4010		618.17	MTs	2.91
270	4053		66.68	MTs	4.48
271	4072		0.67	MTs	0.09
272	4074		0.23	MTs	0.03
273	4100		14.59	MTs	0.27
274	4535		46.31	MTs	8.17
275	4550		0.23	MTs	0.09
276	4558		66.67	MTs	2.50
277	4595		0.83	MTs	0.11
278	4597		148.47	MTs	6.63
279	4614		0.46	MTs	0.02
280	5004		2.89	MTs	0.02
281	5011		57.39	MTs	1.39
282	5050		5.79	MTs	0.14
283	5052		5.79	MTs	0.15
284	5053		9.26	MTs	0.88
285	5064		43.29	MTs	2.45
286	5074		4.63	MTs	0.04
287	5082	5076	117.80	MTs	2.20
288	5084		3.52	MTs	0.08
289	5514		4.17	MTs	0.04
290	6025	6012/6015	172.53	MTs	4.37
291	6074		221.33	MTs	9.22
292	6096		59.96	MTs	1.73
293	6104		43.35	MTs	1.73
294	6108		94.61	MTs	1.29
295	6200	6037	1.30	MTs	0.06
296	6214		28.94	MTs	1.29
297	6216		208.37	MTs	3.84
298	6544		28.14	MTs	1.32
299	6546		6.95	MTs	0.33
300	6550		0.41	MTs	0.02
301	6560		0.85	MTs	0.04
302	6588		294.85	MTs	3.78
303	8086		5.09	MTs	0.41

304	8108			0.58	MTs	0.16
305	8118			3.03	MTs	0.63
306	8176			6.67	MTs	0.63
307	8594			3.47	MTs	0.13
308	8598			1.30	MTs	0.08
309	56060			17.85	MTs	0.61
310	63552			310.94	MTs	10.40
311	65538			289.15	MTs	2.37
312	65550			289.41	MTs	4.03
313	65568			0.93	MTs	0.03
314	65584			60.89	MTs	1.88
315	65642			2.09	MTs	0.07
316	65644			1.64	MTs	0.06
317	65694			99.32	MTs	1.77
318	65706			20.00	MTs	2.04
319	1052			3.70	MTs	0.24
320	1206	108		10.90	MTs	0.66
321	1244	1245		231.53	MTs	11.30
322	1306			1.42	MTs	0.05
323	1543	1599/1613		2,292.10	MTs	45.06
324	1647	1668		156.88	MTs	4.43
325	1673			18.95	MTs	0.70
326	1711			95.62	MTs	2.79
327	1732			666.78	MTs	17.16
328	1738			13.89	MTs	0.41
329	1742			16.21	MTs	0.38
330	1744			3.06	MTs	0.13
331	2042			0.22	MTs	0.02
332	2101	2100		210.57	MTs	10.83
333	2134	2131		416.75	MTs	16.86
334	4565	4568		222.35	MTs	10.51
335	6082	6084		217.98	MTs	2.85
336	55570			520.93	MTs	21.70
337	55578			289.41	MTs	12.74
338	55580			231.53	MTs	10.58
339	55552			208.37	MTs	8.68
340	55572			231.53	MTs	10.25
341	55576			219.95	MTs	9.71
342	8145	8144		69.46	MTs	3.50
343	1752	1756/1758		57.88	MTs	2.14
344	6102	6038		3,472.88	MTs	61.99
345	6006	6118		3,472.88	MTs	59.92
346	1768	1770		57.88	MTs	1.79
347	8162	81621/81622/81623		115.76	MTs	4.41
348	2007	20071		3.47	MTs	0.31
349	1764	1666/1756		57.88	MTs	2.41

FINANCIAL YEAR- 2026-27

LUBES ADDITIVES & SPECIALITY BASE OILS PROCUREMENT

	Additive	Alternate				
1	1245	1244		16.72	MTs	0.70
2	1410	1414		309.22	MTs	7.73
3	1415	1415/1417/1418		278.11	MTs	5.91
4	1419			1.22	MTs	0.03
5	1504			12.16	MTs	0.47
6	1539	1244		6.31	MTs	0.31
7	1567	1526		317.00	MTs	8.75
8	1604	1490		1,636.80	MTs	32.14
9	1623	1617		1,738.17	MTs	38.27
10	1658	1659		3,646.52	MTs	78.11
11	1660	1678		959.03	MTs	21.11

12	1685	1617/1772+4574		12.80	MTs	0.35
13	1708			5.83	MTs	0.42
14	1722			5.26	MTs	0.27
15	1724			171.13	MTs	4.26
16	1734	1732		980.90	MTs	20.47
17	2010			11.91	MTs	0.23
18	2034			29.67	MTs	0.38
19	2120	2118		18.72	MTs	1.21
20	2130	2098		12.16	MTs	1.19
21	3002			2,168.77	MTs	30.27
22	3006			10.62	MTs	0.10
23	3008			118.71	MTs	1.58
24	3010			37.88	MTs	0.84
25	3012			557.74	MTs	5.97
26	3028			33.46	MTs	1.03
27	3039			4.13	MTs	0.03
28	3066			6.77	MTs	0.46
29	3084			48.23	MTs	2.38
30	3088			0.61	MTs	0.01
31	3090			13.86	MTs	0.36
32	3098			8.20	MTs	1.12
33	3514			1,580.16	MTs	21.23
34	3544			209.07	MTs	2.19
35	3554			113.47	MTs	1.96
36	3558			148.29	MTs	2.38
37	3570			183.35	MTs	2.42
38	3572			33.55	MTs	0.24
39	3574			1,823.26	MTs	18.29
40	3575			143.42	MTs	1.57
41	3580			0.61	MTs	1.01
42	4025			6.08	MTs	0.26
43	4027			1.22	MTs	0.02
44	4047			0.15	MTs	0.02
45	4058			5.40	MTs	1.52
46	4064			177.44	MTs	3.27
47	4096			89.46	MTs	2.02
48	4098			5.45	MTs	0.23
49	4529	4542		230.95	MTs	12.14
50	4543			7.29	MTs	2.19
51	4556			25.40	MTs	4.58
52	4587			0.31	MTs	0.01
53	5012			5.47	MTs	0.02
54	5014			346.60	MTs	23.92
55	5016			3.04	MTs	0.02
56	5021			6.08	MTs	0.07
57	5028			2.19	MTs	0.08
58	5044			189.62	MTs	1.79
59	5060			131.55	MTs	0.89
60	5067			60.78	MTs	1.61
61	5080			0.97	MTs	0.02
62	5082	5076		182.33	MTs	4.34
63	5516			1.82	MTs	0.01
64	5522			163.87	MTs	4.83
65	5523			0.39	MTs	0.03
66	5534			2.73	MTs	0.11
67	5560			5.75	MTs	0.06
68	6001			4.25	MTs	0.24
69	6011			112.10	MTs	3.49
70	6012			143.37	MTs	4.15
71	6017	6038/6102		8.47	MTs	0.20

72	6051			444.36	MTs	19.71
73	6084		6082	112.31	MTs	1.43
74	6100		6037	246.96	MTs	10.43
75	6102	6038/6017		513.70	MTs	7.31
76	6202			12.16	MTs	0.35
77	6210			5.83	MTs	0.35
78	6218			1.22	MTs	0.05
79	6548			21.27	MTs	0.90
80	6552			56.37	MTs	2.70
81	6554			1.49	MTs	0.08
82	6566			61.47	MTs	2.22
83	6590			0.44	MTs	0.03
84	7014			0.61	MTs	0.02
85	7024			0.48	MTs	0.13
86	7029			0.49	MTs	0.02
87	8002			41.81	MTs	2.48
88	8014			55.91	MTs	1.80
89	8038		80381	5.70	MTs	0.36
90	8052			1.82	MTs	0.03
91	8072			0.61	MTs	0.01
92	8075			34.03	MTs	0.47
93	8089			17.02	MTs	1.23
94	8102			0.73	MTs	0.01
95	8121	8133/8120		766.01	MTs	12.94
96	8138			34.20	MTs	1.30
97	8153			0.24	MTs	0.01
98	8171			4.85	MTs	0.03
99	8194			72.93	MTs	1.82
100	8528			0.61	MTs	1.04
101	8540			1.82	MTs	0.20
102	8560			9.01	MTs	0.08
103	40621		4062	54.73	MTs	1.86
104	55901		5590	2.63	MTs	0.11
105	56036		56032	306.31	MTs	3.98
106	56058			2,953.68	MTs	34.27
107	65548			0.97	MTs	0.03
108	65562			148.29	MTs	1.78
109	65646	65684/65682		109.40	MTs	2.02
110	65654	65684/65682		58.34	MTs	1.05
111	1050			27.56	MTs	3.18
112	1256			0.46	MTs	0.01
113	1300			2.70	MTs	0.15
114	1304			33.05	MTs	1.18
115	1350			126.03	MTs	3.90
116	1414			189.57	MTs	5.02
117	1418		1296	15.12	MTs	0.63
118	1426			12.25	MTs	0.32
119	1427			52.42	MTs	1.33
120	1431			2.61	MTs	0.11
121	1436			3.99	MTs	0.25
122	1442			1.45	MTs	0.09
123	1453			50.58	MTs	2.08
124	1468			203.33	MTs	6.37
125	1475			1,609.79	MTs	35.63
126	1477			7.54	MTs	0.24
127	1478			13.35	MTs	0.31
128	1482			51.60	MTs	1.78
129	1490		1604	111.43	MTs	2.53
130	1492		1474	436.69	MTs	14.55
131	1496			4.94	MTs	0.40

132	1500			20.32	MTs	0.73
133	1505			89.59	MTs	2.56
134	1512			1.97	MTs	0.06
135	1516			25.57	MTs	0.73
136	1527		1242	14.59	MTs	1.11
137	1541			3.17	MTs	0.10
138	1545	1599/1613		426.25	MTs	8.88
139	1546			665.13	MTs	14.63
140	1552		1554	782.06	MTs	20.10
141	1560			71.99	MTs	2.25
142	1573			73.96	MTs	2.62
143	1574			27.59	MTs	1.01
144	1585			1.44	MTs	0.08
145	1586			89.62	MTs	2.58
146	1587			115.62	MTs	4.09
147	1589			70.71	MTs	2.74
148	1596			2.54	MTs	0.07
149	1597			8.95	MTs	0.53
150	1617	1774/1772		1,580.16	MTs	29.71
151	1618			11.73	MTs	0.51
152	1619		1410	465.22	MTs	10.05
153	1632			41.36	MTs	2.49
154	1642			818.04	MTs	24.40
155	1644			378.95	MTs	13.98
156	1652		1658	607.75	MTs	13.31
157	1659		1658	1,177.88	MTs	22.99
158	1662			24.67	MTs	1.19
159	1664			13.12	MTs	0.82
160	1672			4.59	MTs	0.23
161	1674			881.49	MTs	40.83
162	1676			1,163.57	MTs	30.05
163	1678		1660	386.01	MTs	9.83
164	1682			171.63	MTs	5.44
165	1684			331.06	MTs	9.02
166	1694		1660	738.33	MTs	16.69
167	1700			0.98	MTs	0.04
168	1710	1712/1714		243.10	MTs	7.52
169	1718			1.90	MTs	0.12
170	1728			19.83	MTs	0.91
171	1730			1.85	MTs	0.09
172	2006			67.57	MTs	3.97
173	2014			0.83	MTs	0.09
174	2046			3.87	MTs	0.16
175	2061			49.88	MTs	3.38
176	2064			5.54	MTs	0.46
177	2065			36.47	MTs	2.50
178	2067			5.23	MTs	1.17
179	2068			2.89	MTs	0.46
180	2082			1.51	MTs	0.13
181	2116			235.14	MTs	14.27
182	2117			195.56	MTs	8.61
183	2124			123.46	MTs	7.34
184	2146			9.98	MTs	1.67
185	2152		2158	5.59	MTs	1.89
186	2154			72.66	MTs	5.69
187	2160			742.09	MTs	48.30
188	2170			2.07	MTs	0.20
189	2176			7.26	MTs	0.57
190	2182			0.26	MTs	0.02
191	3001			15.33	MTs	1.30

192	3080			6.47	MTs	0.50
193	3082			0.72	MTs	0.06
194	4540			6.90	MTs	0.24
195	4552			1.16	MTs	0.08
196	4554	4528		63.12	MTs	2.59
197	4562	4528		44.17	MTs	1.96
198	4569			2.21	MTs	0.30
199	4598			22.83	MTs	1.13
200	4600			1.54	MTs	0.17
201	4602			5.34	MTs	0.44
202	6000	6114		425.43	MTs	13.67
203	6008			27.79	MTs	1.82
204	6028			286.60	MTs	4.22
205	6030			9.85	MTs	0.49
206	6032			69.62	MTs	3.58
207	6037	6100		568.86	MTs	27.08
208	6038			1,331.51	MTs	19.04
209	6039			1.80	MTs	0.13
210	6063			376.88	MTs	21.11
211	6078			17.76	MTs	1.32
212	6092			2,222.41	MTs	41.72
213	6110			3.95	MTs	0.28
214	6204			12.13	MTs	0.48
215	6212			33.84	MTs	2.07
216	6556			20.32	MTs	0.98
217	6558			121.55	MTs	7.84
218	6562			6.81	MTs	0.42
219	6594			7.60	MTs	0.44
220	6596			1.62	MTs	0.13
221	6598			118.20	MTs	6.28
222	7012			1.42	MTs	0.15
223	7022			17.77	MTs	2.13
224	7040			2.68	MTs	0.59
225	8026			1.95	MTs	0.17
226	8027			5.24	MTs	0.96
227	8040			3.85	MTs	0.26
228	8082			21.82	MTs	1.43
229	8180			16.04	MTs	1.21
230	20041	2004/20042		34.03	MTs	2.44
231	56038			14.76	MTs	0.41
232	56040			1.81	MTs	0.11
233	65630			19.69	MTs	1.66
234	80381			1.21	MTs	0.08
235	1233	1236/1231		114.26	MTs	4.32
236	1236			0.76	MTs	0.03
237	1274			2.39	MTs	0.22
238	1515			182.33	MTs	6.28
239	1544			7.85	MTs	0.28
240	1551	1507/1534		27.39	MTs	1.16
241	1553	1599+3001/1543+4601		141.27	MTs	3.40
242	1557			9.01	MTs	0.30
243	1575	1738/1770		9.80	MTs	0.28
244	1594	1516		22.86	MTs	0.76
245	1608	2002		0.24	MTs	0.02
246	1638	1647		155.58	MTs	4.08
247	1643	1617/1585+1621		388.96	MTs	6.34
248	1668	1547		59.32	MTs	2.11
249	1683			0.68	MTs	0.04
250	1740			1,021.03	MTs	48.60
251	1746			423.62	MTs	9.45

252	1748			111.32	MTs	3.60
253	1750			34.73	MTs	1.37
254	1766			84.60	MTs	1.99
255	2050			81.34	MTs	1.35
256	2066			41.11	MTs	3.30
257	2092			21.07	MTs	1.16
258	2098			8.42	MTs	1.02
259	2136			43.76	MTs	3.88
260	2184			87.53	MTs	5.31
261	3014			323.56	MTs	3.97
262	3022			2.43	MTs	0.02
263	3030			55.78	MTs	0.50
264	3074			119.12	MTs	1.64
265	3086			1.22	MTs	0.01
266	3102			294.69	MTs	3.34
267	3520			31.12	MTs	0.72
268	3522			3.65	MTs	0.05
269	4010			649.08	MTs	3.05
270	4053			70.01	MTs	4.70
271	4072			0.71	MTs	0.09
272	4074			0.24	MTs	0.03
273	4100			15.32	MTs	0.28
274	4535			48.62	MTs	8.58
275	4550			0.24	MTs	0.09
276	4558			70.01	MTs	2.62
277	4595			0.88	MTs	0.11
278	4597			155.89	MTs	6.97
279	4614			0.49	MTs	0.02
280	5004			3.04	MTs	0.02
281	5011			60.26	MTs	1.46
282	5050			6.08	MTs	0.15
283	5052			6.08	MTs	0.16
284	5053			9.72	MTs	0.93
285	5064			45.45	MTs	2.57
286	5074			4.86	MTs	0.04
287	5082		5076	123.69	MTs	2.31
288	5084			3.70	MTs	0.09
289	5514			4.38	MTs	0.05
290	6025	6012/6015		181.16	MTs	4.59
291	6074			232.40	MTs	9.68
292	6096			62.96	MTs	1.82
293	6104			45.52	MTs	1.81
294	6108			99.34	MTs	1.36
295	6200		6037	1.37	MTs	0.07
296	6214			30.39	MTs	1.36
297	6216			218.79	MTs	4.04
298	6544			29.55	MTs	1.39
299	6546			7.29	MTs	0.34
300	6550			0.43	MTs	0.02
301	6560			0.89	MTs	0.04
302	6588			309.59	MTs	3.97
303	8086			5.35	MTs	0.43
304	8108			0.61	MTs	0.17
305	8118			3.18	MTs	0.66
306	8176			7.00	MTs	0.66
307	8594			3.65	MTs	0.13
308	8598			1.37	MTs	0.08
309	56060			18.74	MTs	0.64
310	63552			326.48	MTs	10.92
311	65538			303.61	MTs	2.49

312	65550			303.88	MTs	4.23
313	65568			0.97	MTs	0.03
314	65584			63.94	MTs	1.97
315	65642			2.20	MTs	0.08
316	65644			1.72	MTs	0.06
317	65694			104.29	MTs	1.86
318	65706			21.00	MTs	2.14
319	1052			3.89	MTs	0.25
320	1206		108	11.44	MTs	0.69
321	1244		1245	243.10	MTs	11.86
322	1306			1.49	MTs	0.05
323	1543	1599/1613		2,406.70	MTs	47.31
324	1647		1668	164.72	MTs	4.65
325	1673			19.89	MTs	0.73
326	1711			100.40	MTs	2.93
327	1732			700.11	MTs	18.02
328	1738			14.59	MTs	0.43
329	1742			17.03	MTs	0.40
330	1744			3.22	MTs	0.14
331	2042			0.23	MTs	0.02
332	2101		2100	221.10	MTs	11.37
333	2134		2131	437.58	MTs	17.70
334	4565		4568	233.46	MTs	11.04
335	6082		6084	228.88	MTs	3.00
336	55570			546.98	MTs	22.78
337	55578			303.88	MTs	13.38
338	55580			243.10	MTs	11.11
339	55552			218.79	MTs	9.11
340	55572			243.10	MTs	10.76
341	55576			230.95	MTs	10.20
342	8145		8144	72.93	MTs	3.67
343	1752	1756/1758		60.78	MTs	2.24
344	6102		6038	3,646.52	MTs	65.09
345	6006		6118	3,646.52	MTs	62.92
346	1768		1770	60.78	MTs	1.88
347	8162	81621/81622/81623		121.55	MTs	4.63
348	2007		20071	3.65	MTs	0.33
349	1764	1666/1756		60.78	MTs	2.53

FINANCIAL YEAR- 2024-25					
ENGG MATERIAL PROCUREMENT					
SN	Description of Item	Broad specification parameters	Qty	Accounting Unit	Estimated value of Procurement value in Crores
1	Pipeline	API 5L / IS3589 /IS1258	99,642	RM	34.01
2	Steel Plates	IS 2062 Gr B	22,752	TO	144.44
3	Pump	Centrifugal Pump	151	EA	11.57
4	Pump	Fire Pump	27	EA	4.88
5	Pump	Screw Pump	18	EA	1.05
6	Valve	Manual Ball / Gate / Butterfly Valves	1,392	EA	1.86
7	Valve	Motorized Ball / Gate / Butterfly Valves	1,007	EA	23.18
8	Valve	Double Block & Bleed Valve (DBBV)	150	EA	7.69
9	Valve	TOBV with Pneumatic or EH Actuator (ROSOV)	108	EA	9.35
10	Valve	TOBV with Electrical Actuator	226	EA	11.84
11	MFM	Mass Flow Meter	5	EA	3.13

FINANCIAL YEAR- 2025-26					
ENGG MATERIAL PROCUREMENT					
SN	Description of Item	Broad specification parameters	Qty	Accounting Unit	Estimated value of Procurement value in Crores
1	Pipeline	API 5L / IS3589 /IS1258	1,04,624	RM	35.71
2	Steel Plates	IS 2062 Gr B	23,890	TO	151.66
3	Pump	Centrifugal Pump	159	EA	12.14
4	Pump	Fire Pump	28	EA	5.13
5	Pump	Screw Pump	19	EA	1.10
6	Valve	Manual Ball / Gate / Butterfly Valves	1,462	EA	1.96
7	Valve	Motorized Ball / Gate / Butterfly Valves	1,057	EA	24.34
8	Valve	Double Block & Bleed Valve (DBBV)	158	EA	8.07
9	Valve	TOBV with Pneumatic or EH Actuator (ROSOV)	113	EA	9.82
10	Valve	TOBV with Electrical Actuator	237	EA	12.43
11	MFM	Mass Flow Meter	5	EA	3.29

FINANCIAL YEAR- 2026-27					
ENGG MATERIAL PROCUREMENT					
SN	Description of Item	Broad specification parameters	Qty	Accounting Unit	Estimated value of Procurement value in Crores
1	Pipeline	API 5L / IS3589 /IS1258	1,09,855	RM	37.49
2	Steel Plates	IS 2062 Gr B	25,085	TO	159.24
3	Pump	Centrifugal Pump	167	EA	12.75
4	Pump	Fire Pump	29	EA	5.38

5	Pump	Screw Pump	20	EA	1.16
6	Valve	Manual Ball / Gate / Butterfly Valves	1,535	EA	2.05
7	Valve	Motorized Ball / Gate / Butterfly Valves	1,110	EA	25.56
8	Valve	Double Block & Bleed Valve (DBBV)	166	EA	8.48
9	Valve	TOBV with Pneumatic or EH Actuator (ROSOV)	119	EA	10.31
10	Valve	TOBV with Electrical Actuator	249	EA	13.05
11	MFM	Mass Flow Meter	5	EA	3.46

FINANCIAL YEAR- 2027-28

ENGG MATERIAL PROCUREMENT

SN	Description of Item	Broad specification parameters	Qty	Accounting Unit	Estimated value of Procurement value in Crores
1	Pipeline	API 5L / IS3589 /IS1258	1,15,348	RM	39.37
2	Steel Plates	IS 2062 Gr B	26,339	TO	167.20
3	Pump	Centrifugal Pump	175	EA	13.39
4	Pump	Fire Pump	30	EA	5.65
5	Pump	Screw Pump	21	EA	1.21
6	Valve	Manual Ball / Gate / Butterfly Valves	1,612	EA	2.16
7	Valve	Motorized Ball / Gate / Butterfly Valves	1,166	EA	26.83
8	Valve	Double Block & Bleed Valve (DBBV)	174	EA	8.90
9	Valve	TOBV with Pneumatic or EH Actuator (ROSOV)	125	EA	10.83
10	Valve	TOBV with Electrical Actuator	261	EA	13.70
11	MFM	Mass Flow Meter	5	EA	3.63