

NAME OF ORGANISATION WEBSITE LINK MINISTRY/DEPT	INDIAN OIL CORPORATION LIMITED <a href="https://iocl.com">https://iocl.com</a> MoPNG	Available at "Indianoil for Suppliers/Future procurement plan
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<b>FINANCIAL YEAR 2023 - 24</b>
<b>Capex Procurement Projected _ Refineries</b>

Sl. No.	Description of item	Broad specification Parameters	Quantity	Accounting Unit	Estimated Value of procurement in Rs/Crores
	Vessels/Drums/Tanks		1	Nos.	43.95
	Pumps		48	Nos.	42.22
	Reactors		Lot		10.00
	Column/Column Internals / Column Modification		Lot		268.26
	Heat Ex/Air coolers/Fin Fan Coolers		30	Nos.	250.16
	Filters		22	Nos.	32.08
	Instrumentation items (DCS, PLC, Analyser, sensors, Flowmeter, Transmitter etc.)		75	Nos.	132.21
	Instrument Cables		Lot		5.00
	Electrical Items (Transformer, Switchboard, Switch gears, HV/MV Boards, Motors, Hoist, PFIC Panel, VFD, Genset)		Lot		210.46
	Electrical Cables		Lot		3.60
	Compressors/Blowers/Fans	PSA Off Gas Compr./ PA Compr.	Lot		137.21
	Heaters & Stacks		Lot		120.02
	Bulk (Pipe/ Fittings/ Flanges/Valve)		Lot		388.96
	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)		50	Pkg	485.92
	Fire Fighting system/ equipment/package, Foam Concentrate, Manual & Remote Operated High Volume Longe Range Monitor with Accessories		Lot		50
	Incinerator & Instr. Components		Lot		40
	Mech items :EOT Crane, Forklift, Weigh Bridge, Industrial Lift, Belt & Screw conveyors/Dock leveller		70	Nos.	57.00
	Lab Equipment		Lot		20
	Spare Components (Compressor/Pumps/Feed Coalescer)		lot		13.45
	Vessels/Drums/Tanks		1	Nos.	43.95
	Pumps		48	Nos.	42.22

Reactors		Lot		10.00
Column/Column Internals / Column Modification		Lot		268.26
Heat Ex/Air coolers/Fin Fan Coolers		30	Nos.	250.16
Filters		22	Nos.	32.08
Energy Dispersive X Ray Fluorescence (EDXRF) Analyzer		1	Nos	0.5
Instrumentation items (DCS, PLC, Analyser, sensors, Flowmeter, Transmitter etc.)		75	Nos.	132.21
Instrument Cables		Lot		5.00
Electrical Items (Transformer, Switchboard, Switch gears, HV/MV Boards,Motors,Hoist,PFIC Panel,VFD,Genset)		Lot		210.46
Electrical Cables		Lot		3.60
Compressors/Blowers/ Fans	PSA Off Gas Compr./ PA Compr.	Lot		137.21
Heaters & Stacks		Lot		120.02
Bulk (Pipe/ Fittings/ Flanges/Valve)		Lot		388.96
Catalyst Mixers and Pre-contacting Pot		Lot		5.00
Specialized Consultancy (Ethylene Dichloride/ Vinyl chloride Monomer unit under PVC Project Vadodara)		Lot		184
Specialized Consultancy (PVC Unit Vadodara)		Lot		126
Engaging Process Licensors - Basic design and engineering package -ERU		Lot		63
Engaging Process licensor (Supply of License, BDEP for Iso Propyl Alcohol Unit)		Lot		83
Nucleonic Level measurements system		12	Nos	4
Purification Packages		1	Lot	80
Catalyst Support Grid along with support beams for DHD T Reactor Internals		1	Lot	25
Specialized technical services - Coke drum Inspection		1	Lot	0.8

**Procurement Projected - For Repair & Maintenance of Refineries**

Sl.No	Description of item	Broad specification Parameters	Quantity	Accounting Unit	Estimated Value of procurement in Rs/Cror es
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-hydroxy phenyl) propionate)	980	MT	40.15
20		Anti Oxidant AO 168/ AO9	1565	MT	42
21		AO1076 (Octadecyl $\beta$ - (3,5-di-tert-butyl-4-hydroxy phenyl)-propionate	110	MT	4.57
22		ATF Merox Catalyst - Pre impregnated activated charcoal	36	M <sup>3</sup>	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) - Chimassorb 944	9	MT	0.93
29		Claus Catalyst (Al based)	151.2	M <sup>3</sup>	1.45
30		Claus Catalyst charge for Sulphur Recovery Unit (SRU)	22	M <sup>3</sup>	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	320	MT	80.25

	Chemicals, Catalyst & additives	Hydrocracking unit			
41		Hydrotreating Catalyst for DHT 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)	140	MT	15
49		PG/Pelargonic acid/ C8-C10 fatty acid	330	MT	9.5
50		PP Catalyst. A composition of Magnesium Chloride and 1,2 Benzene dicarboxylic acid,	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	1.003
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 <sup>3</sup>	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	100	MT	2.22

		acid scavenging in polymer production and processing systems.			
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 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	5.70
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	1	No	1.18

		Modules			
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	1.33
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)	300	MT	5.58
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	Chemicals, Catalyst & additives	ISO-Octane	102	MT	2.55
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
96	Chemicals, Catalyst & additives	Silica MB	220	MT	6.40
97	Chemicals, Catalyst & additives	Grading Catalyst	593	M3	78
98	Chemicals, Catalyst & additives	PTA Hydrogenation catalyst	24	MT	16
99	Chemicals, Catalyst & additives	Hydro treating catalysts (Regeneration & rejuvenation)	1100	MT	146
100	Chemicals, Catalyst & additives	CRU / CCRU Reformer Catalyst	41	MT	64
101	Chemicals, Catalyst & additives	Catalyst protecting agent (perchloroethylene)	1335	MT	25
102	Chemicals, Catalyst & additives	ISOM - Bensat / Penex catalyst	113	MT	154
103	Chemicals, Catalyst & additives	Methanol	20000	MT	75
104	Chemicals, Catalyst & additives	FCC Catalyst	3250	MT	108
105	Chemicals, Catalyst & additives	Iso octane	80	MT	3
106	Chemicals, Catalyst & additives	DMDS	200	MT	15

**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	15.5 0
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.	30.0 0
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.	70.0 0
Other Marine Spares			Nos.	9.32
pipe fitting(Nos)			Nos.	
Pipe (km)			Nos.	
Remote operated Valve (Nos)			Nos.	
Scraper 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,			Nos.	

	HDPE, etc.)(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.	
	Load Pin Assembly		20	Nos	7.16
	Cutter Blades of Extruder		1200	Nos	2.66
	Crude Oil Blending Unit		2	Nos	38

**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 /		320	Nos.	1.6



	MIMIC / sensors / transmitter				
	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
<b>Procurement of LPG Cylinders &amp; P Regulator</b>					
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
<b>Procurement Projected _ Marketing - Lubes</b>					
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
<b>Procurement Projected _ Pipelines</b>					
Sl. No	Description of item	Broad specification Parameters	Quantity	Accounting Unit	Estimated Value of procurement in Rs/Crores
1	Marine Hoses		60	Nos.	24

**FINANCIAL YEAR 2024 - 25**

**Capex Procurement  
Projected \_ Refineries**

<b>Sl. No.</b>	<b>Description of item</b>	<b>Broad specification Parameters</b>	<b>Quantity</b>	<b>Accounting Unit</b>	<b>Estimated Value of procurement in Rs/Crores</b>
1	Vessels/Drums/Tanks		1	No s.	10
2	Pumps		5	No s.	4.76
3	Reactors		Lot		2.88
4	Column/Column Internals / Column Modification		Lot		20
5	Heat Ex/Air coolers/Fin Fan Coolers		5	No s.	35.88
6	Instrumentation items (DCS, PLC, Analyser, sensors, Flowmeter, Transmitter etc.)		Lot		165.02
7	Electrical Items (Transformer, Switchboard,Switch gears, HV/MV Boards,Motors,Hoist,PFIC Panel,VFD,Genset)		Lot		272.26
8	Compressors/Blowers/ Fans	PSA Off Gas Compr./ PA Compr.	Lot		20
9	Heaters & Stacks		Lot		33.73
10	Bulk (Pipe/ Fittings/ Flanges/Valve)		Lot		436.4
11	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)		28	pkg	146.83
12	Fire Fighting system/ equipment/package , Foam Concentrate, Manual & Remote Operated High Volume Longe Range Monitor with Accessories		Lot		78.55
13	Incinerator & Instr. Components		Lot		50
14	Lab Equipment		Lot		165.71
15	CLARIANT OleMax 101 (8mm Spheres)		62588	Kgs	49.5
	Support Balls (Ceramic/Alumina) - 12 mm Size		5460	Kgs	
16	Treater Adsorbent		1	Lot	13.2
17	Chloride Guard Bed Adsorbent		1	Lot	0.72
18	Dryer treater Adsorbent		1	Lot	9.6
19	Column Packing and Internals		1	Lot	13

**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	Radiant Coil for SRT-III and SRT-VI heaters			Lot	200
18	Transformer, Battery, Switch Gear, Cable, Lamp etc. Spares			Lot	88
19	Slide Valve Actuator			Lot	10
20		Liquid oxidation Catalyst for spent caustic regeneration	1.5	MT	2.18
21		Anti Oxidant (AO 1010) Pentaerythritol tetrakis(3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate)	980	MT	42.16
22		Anti Oxidant AO 168/ AO9	1565	MT	44.11
23		AO1076 (Octadecyl $\beta$ - (3,5-di-tert-butyl-4-hydroxy phenyl)-propionate	110	MT	4.80
24		ATF Merox Catalyst - Pre impregnated activated charcoal	36	M <sup>3</sup>	0.81
25		Benzene hydrogenation catalyst for ISOM unit	2.1	MT	2.55
26		CAB catalyst	18	MT	3.29
27		CAB-2 catalyst (Blend of vanadium oxytrichloride & titanium tetrachloride 50/50)	35	MT	5.79
28		Carbon Monoxide (CO) promoter catalyst additive for FCC Unit	16	MT	5.87
29		Catalyst for DCU LPG Merox Unit	547	L	0.28
30		Hindered amine light stabilizer(HALS) - Chimassorb 944	9	MT	0.93
31		Claus Catalyst (Al based)	151.2	M <sup>3</sup>	1.45
32		Claus Catalyst charge for Sulphur Recovery Unit (SRU)	22	M <sup>3</sup>	0.71
33		Chloride guard adsorbent for Continuous Catalytic Reforming Unit (CCRU) stabilizer feed	30.5	MT	0.9
34		2-Hydroxy-4-n-octoxybenzophenone (Cyasorb 531/ UV-1)	6	MT	0.75
35		Cyclo-Hexyl Methyl Methoxysilane (DONOR C)	33	MT	3.69
36		Di-ICyclo-Pentyl-Di-Methoxy-Silane (DONOR D)	3	MT	1.21

37		Slip additives (Erucamide )	125	MT	5.89
38		Ethylene drying and CO2 removal bed (Adsorbant)	8	MT	0.37
39		Ethylene drying and CO2 removal bed (Foxed) for PP Unit	3	MT	0.43
40		Fluidized Catalytic Cracking Catalyst	4435	MT	160.91
41		Grease (VASELINE)	27	MT	0.72
42		Hydrotreating and Hydrocracking catalyst for Hydrocracking unit	320	MT	80.25
43		Hydrotreating Catalyst for DHDT unit	478	MT	80.4
44		ISOM catalyst	24	MT	35
45		Liquid oxidation Catalyst for spent caustic regeneration	1.59	MT	2.18
46		Low temp. hydrogenation catalyst (Tail Gas Treatment Unit)	21.57	MT	1.77
47	Chemicals, Catalyst & additives	Molecular sieves-desiccant (sodium-potassium-alumino silicate)	47.6	MT	1.25
48		Optical brightener	1	MT	0.62
49		PEPQ (Phosphorous trichloride, reaction products with 1,1-biphenyl and 2,4-bis(1,1-dimethylethyl)phenol) (secondary antioxidant)	186	MT	19.80
50		Peroxide-101 (2, 5 Dimethyl-2,5-di (tert-butyl-peroxy) hexane)	92	MT	8.91
51		PG/Pelargonic acid/ C8-C10 fatty acid	330	MT	9.50
52		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
53		PPA (Polymer Processing Additive)	40	MT	5.29
54		Propylene drying and CO2 removal bed for PP unit (Fixed bed)	9	MT	0.24
55		Silica gel-desiccant (Compound of Silicon dioxide)	187	MT	4.30
56		T Fuel & U-Fuel for analysis of Cetane number	3690	Ltr	1.008
57		UV stabilizer 622	150	MT	8.80
58		ZN-180M (Avant CATALYST) or equivalent	240	Kg	0.75
59		ZSM-5 catalyst	100	MT	8.74
60		Primary Reference Fuel (PRF) {ISO-Octane & n heptane}	2840	Kg	0.46
61		ATF (Aviation Turbine fuel) Merox catalyst - Pre impregnated activated charcoal	36	M3	0.81
62		DSTDP (distearyl thiodipropionate) - acts as a secondary antioxidant for PP polymers.	100	MT	3.90
63		Speciality Grease - Mixture of higher paraffin hydrocarbon used as catalyst protection in Spheripol PP technology for production of Polypropylene.	15	MT	0.40
64		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
		Alkyl Amine Ethoxylate ( ATMER 163 ) - for neutralization of	107	MT	5.86

65		Catalyst & Co catalyst and works as anti- static agent.			
66		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
67		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
68		HDPE consumable polymerization Catalyst - used for polymerization reaction for production of specific grade of High density polyethylene from Ethylene	8	MT	21.60
69		Antioxidant (AO-1330 ) -prevents polymer from degradation caused by exposure to heat, ultraviolet radiation (UV) and mechanical shear	52	MT	5.98
70		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
71		ST65692 (Biphenyl) -approved additive Packages required for manufacturing of Servo Duotherm S required at Panipat Refinery	60	MT	1.20
72		Mixed Butylated Phenol Antioxidant (ST4064) - used in blending in many lubricants	87.3	MT	1.66
73		Hydrogenated Terphenyl (ST58606) - approved additive Packages required for manufacturing of Servotherm SHT 32 required by IOCL Refinery.	304	MT	9.09
74		TEAL	21	MT	0.88
75	Mechanical Stores	Cast Air Preheater Module / Cast & Glass Air Preheater Modules / Glass Air Pre-Heater Modules	1	No	1.18
76		Cutter Blades of Extruder	1600	No	2.19
77		Hydrogen Tubular Reformer Catalyst Tubes	36	No	3.61
78		Rotary Tight Shut off Valve	4	No	0.60
79	Chemicals, Catalyst & additives	CD (Di- ethyl aluminum chloride)	34.8	MT	1.40
80	Chemicals, Catalyst & additives	CJ (Di- ethyl aluminum ethoxide)	34.8	MT	3.27
81	Chemicals, Catalyst & additives	GMS-90	250	MT	3.3
82	Chemicals, Catalyst & additives	Base FCC catalyst for INDMAX Unit.	1170	MT	34.5
83	Chemicals, Catalyst & additives	DMDS	665	MT	25.25
87	Chemicals, Catalyst & additives	RM 68 Master batch	110	MT	11.02
88	Chemicals, Catalyst & additives	MIBK (METHYL ISOBUTYL KETONE)	300	MT	5.87
89	Chemicals, Catalyst & additives	Liquid oxidation catalyst for FCC Indmax Unit	555	Kg	0.87
90	Chemicals, Catalyst & additives	Hydro treating catalyst for DHDS Unit	56	MT	6.99
91	Chemicals, Catalyst & additives	ISO-Octane	102	MT	2.61
92	Chemicals, Catalyst & additives	Mineral Oil (White Oil)	205	MT	6.53
95	Chemicals, Catalyst & additives	Methanol	14400	MT	73.08
96	Chemicals, Catalyst & additives	Poly Propylene Catalyst	7.5	MT	28.82

97	Chemicals, Catalyst & additives	PD/ 2,4 Pentane dione	220	MT	12.71
98	Service	Assay analysis of Fresh & Spent catalyst	2	No.	0.75
99	Chemicals, Catalyst & additives	Silica MB	220	MT	6.40
100	Chemicals, Catalyst & additives	RFCCU catalyst	5600	MT	209
101	Chemicals, Catalyst & additives	Nucleating Agent (HPNA)	50	MT	9.92
102	Chemicals, Catalyst & additives	Mono 2 Ethyl Hexyl Amine	18	MT	0.87
103	Chemicals, Catalyst & additives	LPG Merox			

**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.	
12	Engine Spares			Lot	15.50
13	ER Probe(Nos)			Nos.	
14	F/F PUMP, Jockey pumps, water filling pumps(Nos)			Nos.	
16	Fire Fighting Pipes (km)			Km	
17	Fire Fighting Pump (Nos)			Nos.	
18	Flow Tee (Nos)			Nos.	
19	Globe Valve (Nos)			Nos.	
20	Heavy duty access Mats			Lot	
21	High Mast(Nos)			Nos.	
22	HOT crane (Nos)			Nos.	
23	HT Capacitor Panel(Nos)			Nos.	
24	HT Panel(Nos)			Nos.	
25	HT/LT/Control cables(km)			Km	
26	Instrumentation, Control & SCADA System (Nos)			Nos.	
28	Insulating coupling (Nos)			Nos.	
29	Jockey pump (Nos)			Nos.	
30	LT DG(Nos)			Nos.	
31	LT Panel(Nos)			Nos.	
	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 (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.	
41	Metering Skid Ph-III(Nos)			Nos.	
42	Metering Skid(Nos)			Nos.	
	Misc. fire fighting equipment (Nos)			Nos.	

43	NRPL Mainline pumping unit Replacement			Nos.	
44	Other Marine Spares			Nos.	11.30
45	pipe fitting(Nos)			Nos.	
46	Pipe (km)			Nos.	
47	Remote operated Valve (Nos)			Nos.	
48	Scrapper Barrel			Nos.	
49	Separator Filter (Nos)			Nos.	
50	Small size (<4") misc. valve (Nos)			Nos.	
51	SRV (Nos)			Nos.	
52	Station pipes(km)			Nos.	
53	Steel Pipe (KM)			Km	
54	Steel Plate (MT)			Nos.	
55	sump pump and tank (Nos)			Nos.	
56	Swing check valve (Nos)			Nos.	
57	Telecom System (comprising of DC power, Networking system, CCTV system, Telephone system, OFC, HDPE, etc.)(Nos)			Nos.	
58	Transformer(Nos)			Nos.	
59	Vadinar SPM Replacement project			Nos.	
60	1. Buoy & accessories				
61	2. Concrete Coated Pipe			Lot	4.00
62	Valves			Nos.	
63	VALVES of all types(Nos)			Nos.	
64	VFD (Nos)			Nos.	
65	Anti chafe Chain		20	Nos.	21.00
66	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
8	LPG Loading arm		32	Nos.	1.04
9	Carousel		1	Nos.	3.54
10	Computers		0	Nos.	0
11	Additive dosing machines		0	Nos.	0
12	Carousal Cards in Nos.		400	Nos.	2.80
13	Mech Seals (Refurbishing) Nos.for LPG Pump		100	Nos.	3.00
14	Mech Seals New in Nos. for LPG Pump		25	Nos.	2.00
15	Valves / Flanges / Gaskets / Spares in Nos.		330	Nos.	8.25
16	Cables (Control / Power) in RMs		3300	Nos.	0.50
17	Pressure / Temp Transmitters/Gauges in Nos.		220	Nos.	2.20
18	Fire Engine / DG / DC Batteries in Nos.		3600	Nos.	5.40
19	Conveyor Chain in RM		4400	Nos.	5.28
20			0		

26	Air Ends of Screw Compressors		45	Nos.	2.25
27	Spares (Filters & Accessories) Air		550	Nos.	1.38
28	Comp in Nos.				
29	LPG Vap Comp Seals / valves /		330	Nos.	0.99
30	Plates				
31	Lights and Fixtures / Bulbs / glands		1200	Nos.	1.20
32	/ JB's / Switches		0		
33	Relays / Fuses		5500	Nos.	1.10
34	Printer Cartridges		650	Nos.	0.33
35	Sprockets / Cylinders / Shafts / wearing strips / Pneumatic tubing /		2400	Nos.	4.80
	connectors		0		
	Misc Spares /Car (sensors /		210	Nos.	2.10
	connectors / cables etc)				
	TLD / TLF Spares		880	Nos.	2.20
	Structural steel for Conv / Misc		450	Nos.	1.71
	Works in MT				
	Diesel / Fire Engine Spares / filters		720	Nos.	5.04
	/ glands				
	Spares for Level gauges /		330	Nos.	3.3
	transmitters				
	Fire / SCADA / GMS Panel Spares / MIMIC / sensors / transmitter		320	Nos.	1.6
	CCTV spares / modules		110	Nos.	1.65
	Load cells for weigh bridges /		1100	Nos.	2.75
	weighing scales / carousals				
	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		303.88	MT	11.52



	CST, PAO 40(ST 55578)				
<b>Procurement Projected Pipelines</b>					
<b>Sl. No.</b>	<b>Description of item</b>	<b>Broad specification Parameters</b>	<b>Quantity</b>	<b>Accounting Unit</b>	<b>Estimated Value of procurement in Rs/Crores</b>
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 Protection 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
32	Intrinsically safe Terrestrial Trunked Radio (TETRA) sets		147	Nos	8.3

**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 Mercox 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	16	MT	7.044

	catalyst additive for FCC Unit			
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 DHDT 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 for continuous polymerization Unit along with project management consultancy services	1	Lot	214.8
78		Lining up of agency for platinum/palladium umpire analysis on limited global tender basis.	12	Lot	0.108
79	Specialty Services	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	0.93
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)	300	MT	6.16
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	Chemicals, Catalyst & additives	ISO-Octane	102	MT	2.67
98	Chemicals, Catalyst & additives	Mineral Oil (White Oil)	205	MT	6.86
99	Chemicals, Catalyst & additives	Methanol	14400	MT	76.73

100	Chemicals, Catalyst & additives	Poly Propylene Catalyst	7.5	MT	30.27
101	Chemicals, Catalyst & additives	PD/ 2,4 Pentane dione	220	MT	13.35
102	Service	Assay analysis of Fresh & Spent catalyst	1	No.	0.80
103	Chemicals, Catalyst & additives	Nucleating Agent (HPNA)	50	MT	10.42
104	Chemicals, Catalyst & additives	Mono 2 Ethyl Hexyl Amine	18	MT	0.91
105	Chemicals, Catalyst & additives	Hydro treating Catalyst	14.82	M <sup>3</sup>	1.43
106	Chemicals, Catalyst & additives	Silica MB	220	MT	7.16

**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		4		9.1

	Reduction units) of various sizes for providing connectivity to CGD Entities from Gas pipelines and augmentation of existing facilities (Nos)			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)		127300	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)		2078	Km	2352.00
47	Steel Plate (MT)		1680	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 0	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 0	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 / JBs / 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 0	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 00	Nos.	1686.32
2	19 Kg Cylinders (Including New & Replacement)		90000 0	Nos.	168.05
3	47.5 Kg Cylinders (Including New & Replacement)		5000 0	Nos.	23.11
4	5 Kg Cylinders (Including New & Replacement)		200000 0	Nos.	208.01
5	425 KG Cylinders		3000	Nos.	23.71
6	Pressure Regulators		750000 0	Nos.	130.38
7	Self Closing Valve		198000 00	Nos.	199.20

**Procurement Projected \_ Marketing -**

<b>Lubes</b>					
<b>Sl. No.</b>	<b>Description of item</b>	<b>Broad specification Parameters</b>	<b>Quantity</b>	<b>Accounting Unit</b>	<b>Estimated Value of procurement in Rs/Crores</b>
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
<b>Procurement Projected _Pipelines</b>					
<b>Sl. No.</b>	<b>Description of item</b>	<b>Broad specification Parameters</b>	<b>Quantity</b>	<b>Accounting Unit</b>	<b>Estimated Value of procurement In Rs/Crores</b>
1	Marine Hoses		60	Nos	24

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		324	Nos.	240
Repair & Maintenance/Operations Projected _ Refineries					
1	Chloride Guard		25.00	MT	0.45
2	Corrossion inhibitor		598.00	kg	0.03
3	Perchloroethylene		18,159.48	kg	0.28
4	Feed Inhibitor (Poly Flo-130)		12,650.00	kg	0.72
5	Antifoam		1,000.00	kg	0.10
6	MEA		130.00	kg	0.00
7	DMDS		1,917.00	kg	0.05
8	Sulfolane		8,395.00	kg	0.17
9	Desorbent		202,760.00	kg	4.71
10	Catalyst		24	MT	90.00
11	Manganese acetate(MT)		221	MT	4.83
12	Cobalt acetate(MT)		70	MT	12.17
13	oxalic acid(MT)		248	MT	2.30
14	HBr(KG)		688	MT	12.36
15	Acetic acid(KG)		27770	MT	151.37
16	n-Propyl acetate(KG)		550	MT	8.52
17	TEAL		340	MT	22.0
18	Z-501		21	MT	77.7
19	Zn-stearate		199	MT	3.6
20	Ca-stearate		598	MT	9.0
21	Irganox 1010		1148	MT	90.0
22	Irgafos 168		1840	MT	145.0
23	Viton FFGB		66	MT	14.6
24	Licowax PED 191		100	MT	6.9
25	Tinuvin 622		20	MT	1.4
26	Optical Brightner		1	MT	1.3
27	Lynx 200HAH		2	MT	9.1
28	HDPE Catalyst (LYNX 200 HAH Or Z-501)		4	MT	15.2
29	ZN-111-4 N		24.78	MT	87.87
30	PP catalyst		15.75	MT	53.47
31	MINERAL OIL		102.25	MT	3.20
32	GREASE		35.00	MT	1.09
33	DONOR C		26.25	MT	2.26
34	Donor D		5.25	MT	1.78
35	ATMER 163		105.00	MT	7.24
36	GMS 90		437.50	MT	13.16

37	CAST		385.00	MT	5.39
38	DHT 4A		175.00	MT	5.36
39	Erucamide		52.50	MT	2.41
40	Luperox 101		87.50	MT	11.98
41	Sylobloc 45H		87.50	MT	1.33
42	Irganox 3114		52.50	MT	3.50
43	DSTD P		175.00	MT	7.66
44	AO-1330		14.00	MT	1.56
45	NX 8000		315.00	MT	112.19
46	HPN20 E		14.00	MT	4.03
47	MINERAL OIL NEW (local)		175000.00	MT	2.10
48	HPNA		87.50	MT	19.14
49	NA-21		27.00	MT	14.19
50	PEPQ additive		150.00	MT	29.98
51	Zinc Stearate		8.00	MT	0.22
52	ZN-180M (Non phthalate catalyst for polymers)		0.16	MT	1.31
53	CAB		16.65	MT	4.82
54	CT		15.23	MT	0.77
55	CAB-2		27.60	MT	5.88
56	CD		27.60	MT	1.24
57	CJ		28.80	MT	2.63
58	AO6		96.00	MT	7.27
59	AO8		100.00	MT	7.22
60	AO9		130.00	MT	9.39
61	AO5		220	MT	7.52
62	SILICA MB		300.00	MT	4.39
63	PROCESSING AID		200.00	MT	10.52
64	SLIP		100.00	MT	4.59
65	cyasorb UV 531(UV1)		2.00	MT	0.32
66	Chimassorb 944 (UV4)		10.00	MT	1.34
67	PG		350.00	MT	10.94
68	PD		220.00	MT	14.69
69	CYCLOHEXANE (IC)		5000.00	MT	36.13
70	ACTIVATED ALUMINA (IC)		3240.00	MT	55.53
71	Therminol VP-1		70.00	MT	2.98
72	Iso butyl alcohol		1.50	MT	0.02
73	Optical brightener		0.50	MT	0.40
74	Cast MB		150.00	MT	2.55
75	Silica Gel		187.00	MT	3.76
76	Molecular Seive		25.00	MT	0.87
	Ceramic Ball (Bed Support) -			MT	
77	6mm Diameter		2.42	MT	0.03
78	10mm Diameter		1.10	MT	0.01
79	12mm Diameter		1.65	MT	0.02
80	20mm Diameter		1.20	MT	0.01
81	Ethylene Purification bed		0.00	MT	0.00
82	Mono-2-Methyl hexyl amine(2014)		18.00	MT	0.76
83	LC-2253 catalyst		25.00	MT	11.58
84	Catalyst(AVANT ZN-111-		17	MT	4.72

	4)				
85	TEAL		110	MT	0.04
86	MINERAL OIL FOR PP		205	MT	0.03
87	GREASE FOR PP		27	MT	0.03
88	DONOR C (SELECTIVITY CONTROL AGENT)		18	MT	0.14
89	ATMER 163-ANTISTATIC		62	MT	0.06
	<b>PP Unit Extrusion Additives</b>			<b>MT</b>	<b>-</b>
90	SYLOBLOC 45H-ANTIBLOC		170	MT	0.02
91	LUPEROX 101-ORGANIC PEROXIDE		60	MT	0.11
92	HYPERFORM HPN20E		8	MT	0.26
93	GMS 90-ANTISTATIC AGENT		16	MT	0.01
94	ERUCAMIDE-SLIP AGENT		130	MT	0.04
95	DHT4A-ACID SCAVENGER		154	MT	0.03
96	CALCIUM-STEARATE		50	MT	0.01
97	IRGAFOS 168		565	MT	0.05
98	IRGANOX 1010		280	MT	0.05
99	P-EPQ		65	MT	0.14
100	AO 3114		50	MT	0.06
101	Chemicals, Catalyst & additives	Pacol catalyst	23.1	MT	35.25
102	Chemicals, Catalyst & additives	Unionfining catalyst	48	MT	3.87
103	Chemicals, Catalyst & additives	N-Pentane	100	MT	1.9
104	Chemicals, Catalyst & additives	Iso-octane	104	MT	2.92
105	Chemicals, Catalyst & additives	Hot Oil	60	MT	5.53
106	Chemicals, Catalyst & additives	PEP DRIER	0.8	MT	0.023
107	Chemicals, Catalyst & additives	Clay F-24X	8	MT	0.27
108	Methanol		10	TO	0.06
109	DMDS		80	TO	1.57
110	MEA for ATU		37208	KG	0.48
111	Antifoam for BEU		10	TO	1.17
112	TBC		46	TO	1.17
113	Silicone Oil		5	TO	0.14
114	Sodium Nitrite		120000	KG	0.84
115	NMP Solvent (BDEU)		117	TO	7.63
116	Anion Resin		25269	L	0.42
117	Cation Resin		12632	L	0.10
118	Activated carbon		25	KG	0.19
119	Tri sodium Phosphate		28	TO	0.08
120	Oxygen Scavenger		22	TO	

	(Hydrazine)				0.77
121	Morphline		91	TO	2.28
122	Anthracite		1	TO	0.00
123	ETHYLENE DI-CHLORIDE		9	TO	0.05
124	POTASSIUM CARBONATE		3789	KG	0.04
125	BORIC ACID		300	TO	4.26
126	VANADIUM PENTOXIDE		600	TO	0.09
127	CYCLE WATER SYSTEM ANTIFOAM (OLEYL ALCOHOL)		120	KG	0.01
128	CO2 REMOVAL SECTION ANTIFOAM (UCON 50 HB 5100)		133	TO	5.36
129	CATION RESIN BEDS		21632	KG	0.58
130	ANION RESIN BEDS		30979	KG	1.13
131	MPTS Resin		4	TO	2.84
132	Di ammonium phosphate(DAP),100%		9	TO	0.06
133	Alum,70%		38	TO	0.04
134	Urea,100%		15	TO	0.03
135	Sodium hydroxide, 100%		2191	TO	6.83
136	Sulphuric Acid, 98%		95	TO	0.40
137	DOPE		10	TO	0.05
138	DWPE		8	TO	0.03
139	Hydrogen peroxide		1895	TO	6.52
140	Activated carbon		25263	KG	0.08
141	Silica Sand		25	TO	7.66
142	VOC Activated Carbon		13	TO	0.22
143	CHLORINE, LIQUID IN 900KG CYLINDER		436	TO	0.29
144	HYDROCHLORIC ACID		7636	TO	2.79
145	POLY ALUMINIUM CHLORIDE		632	TO	0.66
146	Poly eletrolyte		16	TO	0.09
147	ANION RESIN FOR MB EXCHANGER/SBA/WBA/S AC		25269	L	0.42
148	CATION RESIN FOR MB EXCHANGER/SBA/WBA/		12632	L	0.11
149	SODIUM HYDROXIDE,CAUSTIC SODA LYE,NaOH		2191	TO	6.83
150	SULPHURIC ACID (98%)		1091	TO	1.06

151	DEWATERING POLY ELCTROLYTE, POWDER FORM		5	KG	0.10
152	ACTIVATED CARBON		25	KG	0.19
153	Garnet Sand		31	KG	0.17
154	Anthracite		1	KG	0.00
155	Quartz Sand		218	KG	0.13
156	CORROSION INHIBITOR		3	TO	0.02
157	BIOCIDES,OXIDISING		1	TO	0.00
158	HYDRAZINE HYDRATE (PURITY BY MASS 80%)		22	TO	0.77
159	Tri Sodium Phosphate		28	TO	0.08
160	Morpholine-100%		91	TO	2.28
161	POLYMERIC DISPERSANT-TYPE-II(TER)		119	MT	1.19
162	Acetylene Convertor	Olemax 201	79940	KG	52.23
163	Methanator	Meth 134	7	KG	0.00
164	MAPD Convertor	Olemax 353	18270	KG	34.44
165	C4HU Bed-1	Olemax -350	6930	KG	16.50
166	C4HU Bed-2	Olemax -452	6960	KG	24.80
167	PGHU (DPG-I)	Olemax - 601	35230	KG	126.00
168	CGC Dryer	Grace MS 562C	143790	KG	60.57
169	Hydrogen Dryer	Grace MS 564C	21840	KG	0.5
170	Condensate Stripper Dryer	Grace MS 564C	67740	KG	0.5
171	Ethylene Dryer	Grace MS 562C	10610	KG	0.5
172	Arsine Treater	UOP GB 238	3400	KG	0.80
173	EO Silver Catalyst	Syndox 400-8	140000	KG	250.00
174	CCRU stab feed Chloride Guard	Stab feed Chloride Guard	40	MT	1.3
175	CCRU NHT Catalyst	CCRU-NHT catalyst	8	MT	1.15
176	DHDS Catalyst	Hydrotreating catalyst	45	MT	6
177	OHCU Catalyst (RFQ by RHQ)	Hydrotreating and Hydrocracking catalyst	451.82	m3	150
178	HCU Catalyst (RFQ by RHQ)	Hydrotreating and Hydrocracking catalyst	376	m3	69
179	PDS Catalyst	Hydrotreating catalyst	57	MT	5.32
180	LPG Merox Catalyst	Merox catalyst (Liquid state continuous dosing)	547	Liters	0.28
181	New DHDT	Hydrotreating Catalyst	262	MT	31
182	DHDT-Pygas Unit	Diolefin Reactor Catalyst	12.7	MT	17
183	Claus catalyst (SRU-56)	Alumina based catalyst	70.7	m3	1.05
184	Chemicals, Catalyst & additives	CRU Reduction circuit Chloride Guard (17-DR2A/B)	33.3	m3	0.56
185	Chemicals, Catalyst & additives	ISOM NHT catalyst	10	m3	0.65
186	Chemicals, Catalyst & additives	MSQ S Guard Catalyst	3.8	m3	0.5
187	Chemicals, Catalyst & additives	MSQ Methanator Catalyst	3	m3	0.77
188	Chemicals, Catalyst &	ISOM Make up gas Drier	26.5	m3	1.1

	additives	adsorbent			
189	Chemicals, Catalyst & additives	ISOM Feed Drier adsorbent	32	m3	1.5
190	Chemicals, Catalyst & additives	Octamax Dimer Reactor catalyst	38	m3	0.87
191	Chemicals, Catalyst & additives	NPRU Drier molecular sieves	10.8	MT	0.37
192	Chemicals, Catalyst & additives	FCCU Catalyst	1741	MT	57.8
193	Chemicals, Catalyst & additives	SRU- Claus catalyst (1 train)	20	m3	0.55
194	DHDT-1	DHDT catalyst	340	MT	29.10
195	SRU-3	SRU-3 Claus catalyst	158	MT	1.20
196	TGTU	Low temperature TGTU catalyst	32.4	MT	2.85
197	HGU-3	HGU-3 Pre-reformer	14.2	M3	2.83
198	HGU-3	HGU-3 S/Cl guard catalyst	9.8/8	MT	0.29/0.2
199	ISOM	ISOM NHT catalyst	8	MT	0.76
200	ISOM	ISOM Methanator catalyst	3.2	MT	1.05
201	ISOM	PENEX feed drier adsorbent	8	MT	0.42
202	ISOM	PENEX MUG drier adsorbent	2.2	MT	0.12
203	ISOM	PENEX LPG chloride treater adsorbent	0.6	MT	0.08
204	ISOM	PENEX MUG treater adsorbent	1.6	MT	0.04
205	ISOM	PENEX feed sulphur guard	5	MT	0.65
206	DHDT-1/ISOM	DMDS	60	MT	1.02
207	MSQ	LPG Chloride guard	1.6	m3	0.03
208	MSQ	Net gas chloride guard	44	m3	0.99
209	MSQ	Air drier dessicant	327	Kg	0.01
210	DHDT-II	DHDT-II Grading catalysts, Hydrotreating catalysts	231	MT	30.00
211	HGU-IV	HGU-4 2nd Hydrogenator	8.6	M3	1.00
212	HGU-IV	HGU-4 MT shift reactor	35.4	M3	6.00
213	HGU-IV	HGU-4 LT shift reactor	48.9	M3	10.00
214	HGU-IV	HGU-4 Reformer	30.7	M3	6.00
215	VGO-HDT	VGO-HDT catalyst	638.4	m3	76.71
216	Coker Merox	Coker Merox catalyst	0.7	m3	0.24
217	Coker Merox	Anthracite coal for Coker Merox	3.2	m3	0.00
218	Coker Merox	Silica sand	12	MT	0.01
219	ATF Merox	ATF clay	114	m3	0.40
220	CRU-NHT	CRU NHT catalyst	9.5	MT	1.10
221	Aus/VDU	High TAN chemical for AUs, VDU	10	MT	0.70
222	LAB	Pacol catalyst	23.1	MT	35.25
223	LAB	Unionfining catalyst	48	MT	3.87
224	LAB	N-Pentane	100	MT	1.90
225	LAB	Iso-octane	50	MT	1.54
226	LAB	Hot Oil	60	MT	5.53
227	LAB	PEP DRIER	0.8	MT	0.02
228	LAB	Clay F-24X	8	MT	0.27
229	HGU-1	HGU-1 HT Shift	35.3	M3	1.76
230	HGU-1	HGU-1 Reformer	24.18	M3	2.40
231	HGU-1	HGU-1 S/Cl guard catalyst	6.7/3.8	MT	0.2/0.1
232	GHC N2 plant	Adsorbents	1.25	MT	0.04
233	DHDS	DHDS catalyst	300	MT	26.00
234	FCCU	FCCU catalyst	700	MT	14.22



235	FCCU	CO promoter	1.5	MT	0.18
236	N2 plant	Liquid Nitrogen	4000	MT	3.20
237	GRSPF N2 plant	N2U-Activated Alumina and Molecular Sieves	7.15	MT	0.15
238	FCCU	Silica sand	48.53	m3	0.02
239	Chemicals, Catalyst & additives	MIBK (METHYL ISOBUTYL KETONE)	300	MT	6.47

**Capex Procurement Projected \_ Marketing**

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

**Repair & Maintenance/Operations Projected \_ Marketing**

1	ST56058 (PIB 1000)		2601	MT	33.79
2	PIB of higher molecular wt.(ST 56032/ST 56036)		306	MT	5.12

**Capex Procurement Projected \_ Pipelines**

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

**Repair & Maintenance/Operations Projected \_ Pipelines**


**Capex Procurement Projected \_ BD**

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

**Repair & Maintenance/Operations Projected \_ BD**


**Capex Procurement Projected \_ R&D**

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

**Repair & Maintenance/Operations Projected \_ R&D**


FINANCIAL YEAR 2027 - 28					
Capex Procurement Projected _ Refineries					
Sl. No.	Description of item	Broad specification Parameters	Quantity	Accounting Unit	Estimated Value of procurement in Rs/Crores
Repair & Maintenance/Operations Projected _ Refineries					
1	Silica MB		220	MT	7.90
2	Chemicals, Catalyst & additives	MIBK (METHYL ISOBUTYL KETONE)	300	MT	6.79

Capex Procurement Projected _ Marketing					
Sl. No.	Description of item	Broad specification Parameters	Quantity	Accounting Unit	Estimated Value of procurement in Rs/Crores
Repair & Maintenance/Operations Projected _ Marketing					
1	ST56058 (PIB 1000)		2601	MT	35.45
2	PIB of higher molecular wt.(ST 56032/ST 56036)		306	MT	5.38

Capex Procurement Projected _ Pipelines					
Sl. No.	Description of item	Broad specification Parameters	Quantity	Accounting Unit	Estimated Value of procurement in Rs/Crores
Repair & Maintenance/Operations Projected _ Pipelines					

Capex Procurement Projected _ BD					
Sl. No.	Description of item	Broad specification Parameters	Quantity	Accounting Unit	Estimated Value of procurement in Rs/Crores
Repair & Maintenance/Operations Projected _ BD					

Capex Procurement Projected _ R&D					
Sl. No.	Description of item	Broad specification Parameters	Quantity	Accounting Unit	Estimated Value of procurement in Rs/Crores
Repair & Maintenance/Operations Projected _ R&D					



## FINANCIAL YEAR 2022 – 23

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.	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 Electrolyser 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 s.	0.07
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 cm <sup>2</sup> & Max Print area 40x35cm <sup>2</sup> ) 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
<b>Procurement Projected - For Repair &amp; Maintenance</b>					
<b>Sl.</b>	<b>Description of item</b>	<b>Broad specification Parameters</b>	<b>Quantity</b>	<b>Accounting of</b>	<b>Estimated Value</b>

No.			Quantity	Unit	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			
11	Up-gradation of Existing Agilent make 500 MHz FT- NMR Spectromete		1	SU	3.35

**FINANCIAL YEAR 2023 – 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	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	No	5

				s.	
25	Universal Testing Machine (UTM)		1	No s.	1.50
26	Hydrogen determinator		1	No s	1.00
27	Sample cutting & modification equipment		1	No s.	0.20
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	Confocal Microscope with Accessories	Confocal microscope system should be capable of analyzing various fixed & Live Cell, biological samples and protein interactions	1	No.	2.05
14					
15					

**FINANCIAL YEAR 2024 – 25**

**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 2025 – 26**

**Capex Procurement  
Projected R&D**

Sl. No.	Description of item	Broad specification Parameters	Quantity	Accounting Unit	Estimated Value of procurement in 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 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	pH meter	Microprocessor based, Touch Screen, -2 to +20 pH range, Corrosion resistant	2	Each	0.12
2	Automatic viscometer	Temperature range =+15 to 100 Deg C, Touch screen, No change of capillary for different samples	1	Each	0.6
3	Tackiness tester	Upto 100N force, Microprocessor based, wide temperature operability	1	Each	0.5
4	Measurement Instruments		1	LOT	0.2
5	VACUUM DISTILLATION UNIT	ASTM D1160	1	No	0.8
6	POTSTILL DISTILLATION UNIT-2 L SIZE	ASTM D5236	1	No	2
7	TBP DISTILLATION UNIT-6 L SIZE	ASTM D2892	1	No	3
8	PMCC FLASH POINT TESTER	ASTM D93	1	No	0.2
9	AUTO SMOKE POINT TESTER	ASTM D1322	1	No	0.2
10	AUTO DENSITY METER WITH AUTOSAMPLER	ASTM D4052	1	No	0.6
11	AUTO POUR POINT ANALYZER	ASTM D5949	1	No	1.3
12	AUTO MCRT TESTER	ASTM D4530	1	No	0.2
13	AUTOMATIC HEATED OIL CENTRIFUGE	ASTM D4007	1	No	0.2
14	Advanced Moulding machine		1	Nos.	0.2
15	Sample Polishing machine		1	Nos.	0.35
16	Metallic samples cutting machine		1	Nos.	0.4
17					Nil
18	EV gearbox efficiency test rig	FZG EV transmission test facility as per international standards.	1	Crores	8

19	Hydraulic Oil Test Rig	Gear/Piston/Vane pump based hydraulic oil test rig as per international standards	1	Crores	2
20	Copper Strip Corrosion Test Apparatus	ASTM D130, Capacity: 16-20 test tubes Maximum Temperature: 190°C (374°F) Temperature Control Stability: $\pm 1^{\circ}\text{C}$ ( $\pm 2^{\circ}\text{F}$ ) Heater Range: 0-750W Bath Medium: water or high temperature heater transfer fluid	1	Nos	0.09
21	Automatic TAN & TBN Titrators	Microprocessor based, automatic, Touch controlled or PC controlled potentiometric titrators system with fully automatic sample changer for determination of TBN (total Base Number) of non-aqueous medium as per ASTM methods D2896, D4739 and TAN (Total Acid Number) as per ASTM D664 in parallel.	1	Nos	0.54
22	Tapered Bearing Simulator Viscometer	ASTM D4683, Measurement: viscosities at multiple shear rates (50,000 to >7 million $\text{sec}^{-1}$ ) and temperatures (40°C to 200°C).	1	Nos	0.99
23	Inline Batch Mixer	Min Bulk Blend Capacity: 100kg Maximum Bulk Blend Capacity: 200Kg Blending Temperature: 65degC Motor RPM: 400-800rpm Air pressure: 2 bar	1	Nos	0.34
24	Demulsibility test apparatus	Capacity: Two (2) sample-water mixtures Maximum Temperature: 212°F (100°C) Temperature Control: Microprocessor digital control with LED display Bath Medium: water	1	Nos	0.2
25	Copper Strip Corrosion Test Apparatus	ASTM D130, Capacity: 16-20 test tubes Maximum Temperature: 190°C Temperature Control Stability: $\pm 1^{\circ}\text{C}$	1	Nos	0.1
26	Laboratory refrigerator with explosion proof interiors	Temp 0-15 Deg C 700 lts capacity	2	Nos	0.1
27	High precision Electronic Balance	1. 5-place readability .Capacity upto 220g.Readability down to 0.01 mg 2. 4-place readability	4	Nos	0.2

		.Capacity up to 320g.Readability down to 0.1 mg			
28	Digital Laboratory Water bath	Body -Stainless steel Temp Range: 5degC to 90 deg C Capacity 50 lts	2	Nos	0.02
29	Foaming Bath	System to conform to the specifications of ASTM D892 to Foaming of lubricating oils in three sequences 24 °C , 93.5 °C and 24 °C. The system should consist of blown with a controlled volume of air at different specified temperatures. Microprocessor PID control provides quick temperature stabilization without overshoot.	1	EA	0.3
30	Blending Kettle for synthetic Lubricants including PID temperature controller and Filtration unit	SL Dept required for blending of Synthetic Lubricants for conducting trial at different places. The system should have jacketed heating connected with Temperature control system along with PID. Further, system should have high speed Over head stirrer for proper uniform blending along with filtration unit. Mass balance weighing scale for proper measurement of ingredients/components is essential.	1	EA	0.5
31	TG/DSC Analyzer with Quadrupole mass spectroscopy	Max temperature= 1000 °C	1	NO	0.7
32	Autoclaves	Capacity=2-5 Lit	4	NO	0.8
33	Drier and furnaces	Capacity=1-5 Kg	3	NO	0.3
34	Temperature controlled incubator shaker		10	Nos	5
35	Automated Low Temperature Sample Storage System		2	Nos	4
36	Flow cytometry, cell sorting, and cell counting		1	Nos	2
37	Stabinger Apparatus		1	No.	0.45
38	Rust Test		1	No.	0.12
39	Hydrolytic Stability Test Apparatus		1	No.	0.35
40	Centrifuge Machine		1	No.	0.15
41	Compounding line	All the equipments' advancements in 26-27 will govern their specifications	1	Nos.	2
42	DSC	All the equipments' advancements in 26-27 will govern their specifications	1	Nos.	1.5
43	Hot Plates	All the equipments' advancements in 26-27 will govern their specifications	10	Nos.	0.2

44	Automatic Titrator with KF	All the equipments' advancements in 26-27 will govern their specifications	1	Nos.	0.5
45	Low Temperature Impact Tester	All the equipments' advancements in 26-27 will govern their specifications	1	Nos.	0.8
46	Dynamic light scattering-particle size analyzer		1	No	0.05
47	Image-Pro software		1	No	0.02
48	GC-FID/ECD		1	No	0.5
49	2D-HPLC-with multiple detector		1	No	1.5
50	HPLC-Orbitrop/IMS		1	No	2.5
51	Autodensitymeter	as per ASTM D 4052	1	No.	0.2
52	Fuel analyzer for middle distillates	as per ASTM D 5845, D 6277, D 7806, D7777, EN 238, ISO 15212, IP 559	1	No.	0.32
53	Auto Kinematic viscometer	as per ASTM D445	1	No.	0.6
54	Manual Pour point bath apparatus	as per ASTM D97	1	No.	0.14
55	SVM 3001 Viscometer for fuel	as per ASTM D7042	1	No.	0.3
56	Rapid Small Scale Oxidation Test (RSSOT) provides a complete oxidation stability analysis of petroleum products	as per ASTM D2525/D7545	1	No.	0.25
57	Flash Point apparatus, PMCC	as per ASTM D93	1	No.	0.1
58	Thermal Oxidationb Stabily analyser for Jet fuels	as per ASTM D3241	1	No.	0.8

FINANCIAL YEAR 2026-27					
Repair & Maintenance (R&D)					
Sl. No.	Description of item	Broad specification Parameters	Quantity	Accounting Unit	Estimated Value of procurement in Rs/Crores
1	Pilot plant repair	Gaskets, seals, valves, condensor, hose pipe, VFD drives, Circulation system, chiller	1	Each	0.1
2	Maintenance spares, UPS Batteries etc., for various Equipments, Pilot Plants, MRU, MFUs & MAT units etc.		1	LOT	0.2
3	CAMC/ AMCs for UPS systems, Access Control System, CCTV, PA Systems, X-Ray Baggage Scanning systems, Calibration, etc.		1	LOT	0.55
4	SPARES FOR VARIOUS DISTILLATION UNITS		1	LOT	0.4
5	SPARES FOR VARIOUS LABORATORY UNITS		1	LOT	0.3

6	AMC of Zwick creep machines		1	Nos.	0.25
7	AMC of Electron Probe Micro Analyzer		1	Nos.	0.1
8					Nil
9	Spares/Test consumable of FAG FE9,Emcor,FZG Gears,HFFR,SRV, MTM , BOCLE,LVFA, HFFM tribmeter	Test consumables required as per the ASTM, DIN, IP and Customised test methods.	1 lot	Crores	1.5
10	Spares, Consumables, Chemicals, Glass wares Repair & Maintenance and AMC	Catalyst preparation equipments, Catalyst Deactivation unit, High through put catalyst preparation and screening units, Micro activity test units, Characterization equipments, GC's and miscellaneous items		NO	1.6
11					
12					
13	Routene manitenance of Biotechnology lab equipments		1	No	1
14	RULER Calibration		1	No.	0.01
15	BDV Calibration		2	No.	0.01
16	Cannon Automatic Viscometer Calibration		1	No.	0.01
17	Stabinger Calibration		1	No.	0.01
18	GC-FID/ECD	AMC/Spares	1	Lot	0.02
19	2D-HPLC-with multiple detector	AMC/Spares	1	Lot	0.01
20	HPLC-Orbitrop/IMS	AMC/Spares	1	Lot	0.05

## FINANCIAL YEAR- 2022-23

## LUBES ADDITIVES &amp; 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- 2023-24**

**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- 2024-25**

**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- 2025-26

## LUBES ADDITIVES &amp; SPECIALITY BASE OILS PROCUREMENT

Sl. No.	Additive	Alternate	Qty	UOM	Value in Rs crore
1	1245	1244	17.56	MTs	0.74
2	1410	1414	324.68	MTs	8.12
3	1415	1415/1417/1418	292.02	MTs	6.21
4	1419		1.28	MTs	0.03
5	1504		12.77	MTs	0.49
6	1539	1244	6.63	MTs	0.33
7	1567	1526	332.85	MTs	9.19
8	1604	1490	1718.64	MTs	33.75
9	1623	1617	1825.08	MTs	40.18
10	1658	1659	3828.85	MTs	82.02
11	1660	1678	1006.98	MTs	22.17
12	1685	1617/1772+4574	13.44	MTs	0.37
13	1708		6.12	MTs	0.44
14	1722		5.52	MTs	0.28
15	1724		179.69	MTs	4.47
16	1734	1732	1029.95	MTs	21.49
17	2010		12.51	MTs	0.24
18	2034		31.15	MTs	0.40
19	2120	2118	19.66	MTs	1.27
20	2130	2098	12.77	MTs	1.25
21	3002		2277.21	MTs	31.78
22	3006		11.15	MTs	0.11
23	3008		124.65	MTs	1.66
24	3010		39.77	MTs	0.88
25	3012		585.63	MTs	6.27
26	3028		35.13	MTs	1.08
27	3039		4.34	MTs	0.03
28	3066		7.11	MTs	0.48
29	3084		50.64	MTs	2.50
30	3088		0.64	MTs	0.01
31	3090		14.55	MTs	0.38
32	3098		8.61	MTs	1.18
33	3514		1659.17	MTs	22.29
34	3544		219.52	MTs	2.30
35	3554		119.14	MTs	2.06
36	3558		155.70	MTs	2.50
37	3570		192.52	MTs	2.54
38	3572		35.23	MTs	0.25
39	3574		1914.42	MTs	19.20
40	3575		150.59	MTs	1.65
41	3580		0.64	MTs	1.06
42	4025		6.38	MTs	0.27
43	4027		1.28	MTs	0.02
44	4047		0.16	MTs	0.02
45	4058		5.67	MTs	1.60
46	4064		186.31	MTs	3.43
47	4096		93.93	MTs	2.12
48	4098		5.72	MTs	0.24
49	4529	4542	242.50	MTs	12.75
50	4543		7.65	MTs	2.30
51	4556		26.67	MTs	4.81
52	4587		0.33	MTs	0.01
53	5012		5.74	MTs	0.02
54	5014		363.93	MTs	25.12
55	5016		3.19	MTs	0.02
56	5021		6.38	MTs	0.07

57	5028		2.30	MTs	0.08
58	5044		199.10	MTs	1.88
59	5060		138.13	MTs	0.93
60	5067		63.82	MTs	1.69
61	5080		1.02	MTs	0.02
62	5082	5076	191.45	MTs	4.56
63	5516		1.91	MTs	0.01
64	5522		172.06	MTs	5.07
65	5523		0.41	MTs	0.03
66	5534		2.87	MTs	0.12
67	5560		6.04	MTs	0.06
68	6001		4.46	MTs	0.25
69	6011		117.71	MTs	3.66
70	6012		150.54	MTs	4.36
71	6017	6038/6102	8.89	MTs	0.21
72	6051		466.58	MTs	20.70
73	6084	6082	117.93	MTs	1.50
74	6100	6037	259.31	MTs	10.95
75	6102	6038/6017	539.39	MTs	7.68
76	6202		12.77	MTs	0.37
77	6210		6.12	MTs	0.37
78	6218		1.28	MTs	0.05
79	6548		22.33	MTs	0.95
80	6552		59.19	MTs	2.84
81	6554		1.56	MTs	0.08
82	6566		64.54	MTs	2.33
83	6590		0.46	MTs	0.03
84	7014		0.64	MTs	0.02
85	7024		0.50	MTs	0.14
86	7029		0.51	MTs	0.02
87	8002		43.90	MTs	2.60
88	8014		58.71	MTs	1.89
89	8038	80381	5.99	MTs	0.38
90	8052		1.91	MTs	0.03
91	8072		0.64	MTs	0.01
92	8075		35.73	MTs	0.49
93	8089		17.87	MTs	1.29
94	8102		0.77	MTs	0.01
95	8121	8133/8120	804.31	MTs	13.59
96	8138		35.91	MTs	1.37
97	8153		0.25	MTs	0.01
98	8171		5.09	MTs	0.03
99	8194		76.58	MTs	1.91
100	8528		0.64	MTs	1.09
101	8540		1.91	MTs	0.21
102	8560		9.46	MTs	0.08
103	40621	4062	57.47	MTs	1.95
104	55901	5590	2.76	MTs	0.12
105	56036	56032	321.63	MTs	4.18
106	56058		3101.36	MTs	35.98
107	65548		1.02	MTs	0.03
108	65562		155.70	MTs	1.87
109	65646	65684/65682	114.87	MTs	2.12
110	65654	65684/65682	61.26	MTs	1.10
111	1050		28.94	MTs	3.34
112	1256		0.48	MTs	0.01
113	1300		2.84	MTs	0.16
114	1304		34.70	MTs	1.24
115	1350		132.33	MTs	4.10
116	1414		199.05	MTs	5.27

117	1418	1296	15.88	MTs	0.66
118	1426		12.86	MTs	0.34
119	1427		55.04	MTs	1.40
120	1431		2.74	MTs	0.12
121	1436		4.19	MTs	0.26
122	1442		1.52	MTs	0.09
123	1453		53.11	MTs	2.18
124	1468		213.50	MTs	6.69
125	1475		1690.28	MTs	37.41
126	1477		7.92	MTs	0.25
127	1478		14.02	MTs	0.33
128	1482		54.18	MTs	1.87
129	1490	1604	117.00	MTs	2.66
130	1492	1474	458.52	MTs	15.28
131	1496		5.19	MTs	0.42
132	1500		21.34	MTs	0.77
133	1505		94.07	MTs	2.69
134	1512		2.07	MTs	0.06
135	1516		26.85	MTs	0.77
136	1527	1242	15.32	MTs	1.17
137	1541		3.33	MTs	0.11
138	1545	1599/1613	447.56	MTs	9.32
139	1546		698.39	MTs	15.36
140	1552	1554	821.16	MTs	21.11
141	1560		75.59	MTs	2.36
142	1573		77.66	MTs	2.75
143	1574		28.97	MTs	1.06
144	1585		1.51	MTs	0.08
145	1586		94.10	MTs	2.71
146	1587		121.40	MTs	4.29
147	1589		74.25	MTs	2.88
148	1596		2.67	MTs	0.07
149	1597		9.40	MTs	0.56
150	1617	1774/1772	1659.17	MTs	31.20
151	1618		12.32	MTs	0.54
152	1619	1410	488.48	MTs	10.55
153	1632		43.43	MTs	2.61
154	1642		858.94	MTs	25.62
155	1644		397.90	MTs	14.68
156	1652	1658	638.14	MTs	13.98
157	1659	1658	1236.77	MTs	24.14
158	1662		25.90	MTs	1.25
159	1664		13.78	MTs	0.86
160	1672		4.82	MTs	0.24
161	1674		925.56	MTs	42.87
162	1676		1221.75	MTs	31.55
163	1678	1660	405.31	MTs	10.32
164	1682		180.21	MTs	5.71
165	1684		347.61	MTs	9.47
166	1694	1660	775.25	MTs	17.52
167	1700		1.03	MTs	0.04
168	1710	1712/1714	255.26	MTs	7.90
169	1718		2.00	MTs	0.13
170	1728		20.82	MTs	0.96
171	1730		1.94	MTs	0.09
172	2006		70.95	MTs	4.17
173	2014		0.87	MTs	0.09
174	2046		4.06	MTs	0.17
175	2061		52.37	MTs	3.55
176	2064		5.82	MTs	0.48

177	2065		38.29	MTs	2.63
178	2067		5.49	MTs	1.23
179	2068		3.03	MTs	0.48
180	2082		1.59	MTs	0.14
181	2116		246.90	MTs	14.98
182	2117		205.34	MTs	9.04
183	2124		129.63	MTs	7.71
184	2146		10.48	MTs	1.75
185	2152	2158	5.87	MTs	1.98
186	2154		76.29	MTs	5.97
187	2160		779.19	MTs	50.72
188	2170		2.17	MTs	0.21
189	2176		7.62	MTs	0.60
190	2182		0.27	MTs	0.02
191	3001		16.10	MTs	1.37
192	3080		6.79	MTs	0.53
193	3082		0.76	MTs	0.06
194	4540		7.25	MTs	0.25
195	4552		1.22	MTs	0.08
196	4554	4528	66.28	MTs	2.72
197	4562	4528	46.38	MTs	2.06
198	4569		2.32	MTs	0.32
199	4598		23.97	MTs	1.19
200	4600		1.62	MTs	0.18
201	4602		5.61	MTs	0.46
202	6000	6114	446.70	MTs	14.35
203	6008		29.18	MTs	1.91
204	6028		300.93	MTs	4.43
205	6030		10.34	MTs	0.51
206	6032		73.10	MTs	3.76
207	6037	6100	597.30	MTs	28.43
208	6038		1398.09	MTs	19.99
209	6039		1.89	MTs	0.14
210	6063		395.72	MTs	22.17
211	6078		18.65	MTs	1.39
212	6092		2333.53	MTs	43.81
213	6110		4.15	MTs	0.29
214	6204		12.74	MTs	0.50
215	6212		35.53	MTs	2.17
216	6556		21.34	MTs	1.03
217	6558		127.63	MTs	8.23
218	6562		7.15	MTs	0.44
219	6594		7.98	MTs	0.46
220	6596		1.70	MTs	0.14
221	6598		124.11	MTs	6.59
222	7012		1.49	MTs	0.16
223	7022		18.66	MTs	2.24
224	7040		2.81	MTs	0.62
225	8026		2.05	MTs	0.18
226	8027		5.50	MTs	1.01
227	8040		4.04	MTs	0.27
228	8082		22.91	MTs	1.50
229	8180		16.84	MTs	1.27
230	20041	2004/20042	35.73	MTs	2.56
231	56038		15.50	MTs	0.43
232	56040		1.90	MTs	0.12
233	65630		20.67	MTs	1.74
234	80381		1.27	MTs	0.08
235	1233	1236/1231	119.97	MTs	4.54
236	1236		0.80	MTs	0.03

237	1274		2.51	MTs	0.23
238	1515		191.45	MTs	6.59
239	1544		8.24	MTs	0.29
240	1551	1507/1534	28.76	MTs	1.22
241	1553	1599+3001/1543+4601	148.33	MTs	3.57
242	1557		9.46	MTs	0.32
243	1575	1738/1770	10.29	MTs	0.29
244	1594	1516	24.00	MTs	0.80
245	1608	2002	0.25	MTs	0.02
246	1638	1647	163.36	MTs	4.28
247	1643	1617/1585+1621	408.41	MTs	6.66
248	1668	1547	62.29	MTs	2.22
249	1683		0.71	MTs	0.04
250	1740		1072.08	MTs	51.03
251	1746		444.80	MTs	9.92
252	1748		116.89	MTs	3.78
253	1750		36.47	MTs	1.44
254	1766		88.83	MTs	2.09
255	2050		85.41	MTs	1.42
256	2066		43.17	MTs	3.47
257	2092		22.12	MTs	1.22
258	2098		8.84	MTs	1.07
259	2136		45.95	MTs	4.07
260	2184		91.91	MTs	5.58
261	3014		339.74	MTs	4.17
262	3022		2.55	MTs	0.02
263	3030		58.57	MTs	0.53
264	3074		125.08	MTs	1.72
265	3086		1.28	MTs	0.01
266	3102		309.42	MTs	3.51
267	3520		32.68	MTs	0.76
268	3522		3.83	MTs	0.05
269	4010		681.53	MTs	3.20
270	4053		73.51	MTs	4.94
271	4072		0.75	MTs	0.09
272	4074		0.25	MTs	0.03
273	4100		16.09	MTs	0.29
274	4535		51.05	MTs	9.01
275	4550		0.25	MTs	0.09
276	4558		73.51	MTs	2.75
277	4595		0.92	MTs	0.12
278	4597		163.68	MTs	7.32
279	4614		0.51	MTs	0.02
280	5004		3.19	MTs	0.02
281	5011		63.27	MTs	1.53
282	5050		6.38	MTs	0.16
283	5052		6.38	MTs	0.17
284	5053		10.21	MTs	0.98
285	5064		47.72	MTs	2.70
286	5074		5.10	MTs	0.04
287	5082	5076	129.87	MTs	2.43
288	5084		3.89	MTs	0.09
289	5514		4.60	MTs	0.05
290	6025	6012/6015	190.22	MTs	4.82
291	6074		244.02	MTs	10.16
292	6096		66.11	MTs	1.91
293	6104		47.80	MTs	1.90
294	6108		104.31	MTs	1.43
295	6200	6037	1.44	MTs	0.07
296	6214		31.91	MTs	1.43

297	6216		229.73	MTs	4.24
298	6544		31.03	MTs	1.46
299	6546		7.65	MTs	0.36
300	6550		0.45	MTs	0.02
301	6560		0.93	MTs	0.04
302	6588		325.07	MTs	4.17
303	8086		5.62	MTs	0.45
304	8108		0.64	MTs	0.18
305	8118		3.34	MTs	0.69
306	8176		7.35	MTs	0.69
307	8594		3.83	MTs	0.14
308	8598		1.44	MTs	0.08
309	56060		19.68	MTs	0.67
310	63552		342.80	MTs	11.47
311	65538		318.79	MTs	2.61
312	65550		319.07	MTs	4.44
313	65568		1.02	MTs	0.03
314	65584		67.14	MTs	2.07
315	65642		2.31	MTs	0.08
316	65644		1.81	MTs	0.06
317	65694		109.50	MTs	1.95
318	65706		22.05	MTs	2.25
319	1052		4.08	MTs	0.26
320	1206	108	12.01	MTs	0.72
321	1244	1245	255.26	MTs	12.45
322	1306		1.56	MTs	0.05
323	1543	1599/1613	2527.04	MTs	49.68
324	1647	1668	172.96	MTs	4.88
325	1673		20.88	MTs	0.77
326	1711		105.42	MTs	3.08
327	1732		735.12	MTs	18.92
328	1738		15.32	MTs	0.45
329	1742		17.88	MTs	0.42
330	1744		3.38	MTs	0.15
331	2042		0.24	MTs	0.02
332	2101	2100	232.16	MTs	11.94
333	2134	2131	459.46	MTs	18.59
334	4565	4568	245.13	MTs	11.59
335	6082	6084	240.32	MTs	3.15
336	55570		574.33	MTs	23.92
337	55578		319.07	MTs	14.05
338	55580		255.26	MTs	11.67
339	55552		229.73	MTs	9.57
340	55572		255.26	MTs	11.30
341	55576		242.50	MTs	10.71
342	8145	8144	76.58	MTs	3.85
343	1752	1756/1758	63.82	MTs	2.35
344	6102	6038	3828.85	MTs	68.34
345	6006	6118	3828.85	MTs	66.07
346	1768	1770	63.82	MTs	1.97
347	8162	81621/81622/81623	127.63	MTs	4.86
348	2007	20071	3.83	MTs	0.35
349	1764	1666/1756	63.82	MTs	2.66

## FINANCIAL YEAR- 2026-27

## LUBES ADDITIVES &amp; SPECIALITY BASE OILS PROCUREMENT

	Additive	Alternate	Qty	UOM	Value in Rs crore
1	1245	1244	18.43	MTs	0.77
2	1410	1414	340.92	MTs	8.52
3	1415	1415/1417/1418	306.62	MTs	6.52
4	1419		1.35	MTs	0.03
5	1504		13.41	MTs	0.52
6	1539	1244	6.96	MTs	0.34
7	1567	1526	349.49	MTs	9.65
8	1604	1490	1804.57	MTs	35.43
9	1623	1617	1916.33	MTs	42.19
10	1658	1659	4020.29	MTs	86.12
11	1660	1678	1057.33	MTs	23.27
12	1685	1617/1772+4574	14.11	MTs	0.39
13	1708		6.43	MTs	0.46
14	1722		5.80	MTs	0.30
15	1724		188.67	MTs	4.70
16	1734	1732	1081.44	MTs	22.57
17	2010		13.13	MTs	0.25
18	2034		32.71	MTs	0.42
19	2120	2118	20.64	MTs	1.33
20	2130	2098	13.41	MTs	1.31
21	3002		2391.07	MTs	33.37
22	3006		11.71	MTs	0.11
23	3008		130.88	MTs	1.74
24	3010		41.76	MTs	0.93
25	3012		614.91	MTs	6.58
26	3028		36.89	MTs	1.14
27	3039		4.55	MTs	0.03
28	3066		7.46	MTs	0.51
29	3084		53.17	MTs	2.62
30	3088		0.67	MTs	0.01
31	3090		15.28	MTs	0.40
32	3098		9.04	MTs	1.23
33	3514		1742.13	MTs	23.41
34	3544		230.50	MTs	2.41
35	3554		125.10	MTs	2.16
36	3558		163.49	MTs	2.62
37	3570		202.14	MTs	2.67
38	3572		36.99	MTs	0.26
39	3574		2010.14	MTs	20.16
40	3575		158.12	MTs	1.73
41	3580		0.67	MTs	1.11
42	4025		6.70	MTs	0.29
43	4027		1.35	MTs	0.02
44	4047		0.17	MTs	0.02
45	4058		5.95	MTs	1.68
46	4064		195.63	MTs	3.61



47	4096		98.63	MTs	2.23
48	4098		6.01	MTs	0.25
49	4529	4542	254.62	MTs	13.38
50	4543		8.04	MTs	2.41
51	4556		28.00	MTs	5.05
52	4587		0.34	MTs	0.01
53	5012		6.03	MTs	0.02
54	5014		382.13	MTs	26.37
55	5016		3.35	MTs	0.02
56	5021		6.70	MTs	0.08
57	5028		2.41	MTs	0.09
58	5044		209.06	MTs	1.97
59	5060		145.03	MTs	0.98
60	5067		67.01	MTs	1.78
61	5080		1.07	MTs	0.02
62	5082	5076	201.02	MTs	4.78
63	5516		2.01	MTs	0.01
64	5522		180.67	MTs	5.33
65	5523		0.43	MTs	0.03
66	5534		3.01	MTs	0.12
67	5560		6.34	MTs	0.07
68	6001		4.69	MTs	0.26
69	6011		123.59	MTs	3.85
70	6012		158.07	MTs	4.58
71	6017	6038/6102	9.34	MTs	0.22
72	6051		489.91	MTs	21.73
73	6084	6082	123.82	MTs	1.58
74	6100	6037	272.27	MTs	11.50
75	6102	6038/6017	566.35	MTs	8.06
76	6202		13.41	MTs	0.39
77	6210		6.43	MTs	0.39
78	6218		1.35	MTs	0.06
79	6548		23.45	MTs	0.99
80	6552		62.15	MTs	2.98
81	6554		1.64	MTs	0.09
82	6566		67.77	MTs	2.45
83	6590		0.49	MTs	0.03
84	7014		0.67	MTs	0.02
85	7024		0.53	MTs	0.14
86	7029		0.54	MTs	0.02
87	8002		46.10	MTs	2.73
88	8014		61.64	MTs	1.98
89	8038	80381	6.28	MTs	0.40
90	8052		2.01	MTs	0.03
91	8072		0.67	MTs	0.01
92	8075		37.52	MTs	0.52
93	8089		18.76	MTs	1.36
94	8102		0.80	MTs	0.01
95	8121	8133/8120	844.53	MTs	14.27
96	8138		37.71	MTs	1.43

97	8153		0.26	MTs	0.01
98	8171		5.35	MTs	0.03
99	8194		80.41	MTs	2.01
100	8528		0.67	MTs	1.15
101	8540		2.01	MTs	0.22
102	8560		9.93	MTs	0.09
103	40621	4062	60.34	MTs	2.05
104	55901	5590	2.90	MTs	0.12
105	56036	56032	337.71	MTs	4.39
106	56058		3256.43	MTs	37.78
107	65548		1.07	MTs	0.03
108	65562		163.49	MTs	1.96
109	65646	65684/65682	120.61	MTs	2.23
110	65654	65684/65682	64.32	MTs	1.16
111	1050		30.38	MTs	3.51
112	1256		0.51	MTs	0.01
113	1300		2.98	MTs	0.17
114	1304		36.44	MTs	1.30
115	1350		138.95	MTs	4.30
116	1414		209.00	MTs	5.53
117	1418	1296	16.67	MTs	0.69
118	1426		13.51	MTs	0.35
119	1427		57.79	MTs	1.47
120	1431		2.88	MTs	0.12
121	1436		4.40	MTs	0.28
122	1442		1.60	MTs	0.10
123	1453		55.76	MTs	2.29
124	1468		224.17	MTs	7.02
125	1475		1774.79	MTs	39.28
126	1477		8.31	MTs	0.26
127	1478		14.72	MTs	0.34
128	1482		56.89	MTs	1.96
129	1490	1604	122.85	MTs	2.79
130	1492	1474	481.45	MTs	16.04
131	1496		5.45	MTs	0.44
132	1500		22.40	MTs	0.80
133	1505		98.77	MTs	2.82
134	1512		2.17	MTs	0.07
135	1516		28.19	MTs	0.80
136	1527	1242	16.09	MTs	1.22
137	1541		3.49	MTs	0.11
138	1545	1599/1613	469.94	MTs	9.79
139	1546		733.31	MTs	16.13
140	1552	1554	862.22	MTs	22.16
141	1560		79.37	MTs	2.48
142	1573		81.54	MTs	2.89
143	1574		30.42	MTs	1.11
144	1585		1.59	MTs	0.09
145	1586		98.81	MTs	2.84
146	1587		127.47	MTs	4.51

147	1589		77.96	MTs	3.02
148	1596		2.80	MTs	0.08
149	1597		9.87	MTs	0.58
150	1617	1774/1772	1742.13	MTs	32.76
151	1618		12.93	MTs	0.56
152	1619	1410	512.91	MTs	11.08
153	1632		45.60	MTs	2.75
154	1642		901.89	MTs	26.90
155	1644		417.79	MTs	15.41
156	1652	1658	670.04	MTs	14.67
157	1659	1658	1298.61	MTs	25.35
158	1662		27.20	MTs	1.31
159	1664		14.46	MTs	0.90
160	1672		5.06	MTs	0.25
161	1674		971.84	MTs	45.02
162	1676		1282.84	MTs	33.13
163	1678	1660	425.58	MTs	10.84
164	1682		189.22	MTs	6.00
165	1684		364.99	MTs	9.94
166	1694	1660	814.01	MTs	18.40
167	1700		1.08	MTs	0.04
168	1710	1712/1714	268.02	MTs	8.29
169	1718		2.09	MTs	0.13
170	1728		21.86	MTs	1.00
171	1730		2.04	MTs	0.10
172	2006		74.50	MTs	4.38
173	2014		0.92	MTs	0.10
174	2046		4.27	MTs	0.18
175	2061		54.99	MTs	3.73
176	2064		6.11	MTs	0.51
177	2065		40.21	MTs	2.76
178	2067		5.77	MTs	1.29
179	2068		3.19	MTs	0.51
180	2082		1.66	MTs	0.14
181	2116		259.24	MTs	15.73
182	2117		215.60	MTs	9.49
183	2124		136.11	MTs	8.09
184	2146		11.00	MTs	1.84
185	2152	2158	6.16	MTs	2.08
186	2154		80.11	MTs	6.27
187	2160		818.15	MTs	53.25
188	2170		2.28	MTs	0.22
189	2176		8.00	MTs	0.63
190	2182		0.29	MTs	0.02
191	3001		16.90	MTs	1.43
192	3080		7.13	MTs	0.55
193	3082		0.79	MTs	0.07
194	4540		7.61	MTs	0.26
195	4552		1.28	MTs	0.09
196	4554	4528	69.59	MTs	2.86

197	4562	4528	48.70	MTs	2.16
198	4569		2.44	MTs	0.33
199	4598		25.17	MTs	1.25
200	4600		1.70	MTs	0.19
201	4602		5.89	MTs	0.49
202	6000	6114	469.04	MTs	15.07
203	6008		30.64	MTs	2.01
204	6028		315.98	MTs	4.65
205	6030		10.86	MTs	0.54
206	6032		76.76	MTs	3.95
207	6037	6100	627.17	MTs	29.86
208	6038		1467.99	MTs	20.99
209	6039		1.98	MTs	0.14
210	6063		415.51	MTs	23.27
211	6078		19.58	MTs	1.46
212	6092		2450.21	MTs	46.00
213	6110		4.35	MTs	0.31
214	6204		13.37	MTs	0.53
215	6212		37.31	MTs	2.28
216	6556		22.40	MTs	1.08
217	6558		134.01	MTs	8.64
218	6562		7.51	MTs	0.46
219	6594		8.38	MTs	0.49
220	6596		1.79	MTs	0.14
221	6598		130.32	MTs	6.92
222	7012		1.57	MTs	0.17
223	7022		19.59	MTs	2.35
224	7040		2.95	MTs	0.65
225	8026		2.15	MTs	0.19
226	8027		5.78	MTs	1.06
227	8040		4.24	MTs	0.29
228	8082		24.06	MTs	1.58
229	8180		17.68	MTs	1.33
230	20041	2004/20042	37.52	MTs	2.69
231	56038		16.27	MTs	0.45
232	56040		2.00	MTs	0.12
233	65630		21.71	MTs	1.83
234	80381		1.33	MTs	0.09
235	1233	1236/1231	125.97	MTs	4.76
236	1236		0.84	MTs	0.03
237	1274		2.63	MTs	0.24
238	1515		201.02	MTs	6.92
239	1544		8.65	MTs	0.31
240	1551	1507/1534	30.20	MTs	1.28
241	1553	1599+3001/1543+4601	155.75	MTs	3.75
242	1557		9.93	MTs	0.33
243	1575	1738/1770	10.80	MTs	0.31
244	1594	1516	25.20	MTs	0.84
245	1608	2002	0.26	MTs	0.02
246	1638	1647	171.53	MTs	4.50

247	1643	1617/1585+1621	428.83	MTs	6.99
248	1668	1547	65.40	MTs	2.33
249	1683		0.75	MTs	0.04
250	1740		1125.69	MTs	53.58
251	1746		467.04	MTs	10.42
252	1748		122.73	MTs	3.97
253	1750		38.29	MTs	1.51
254	1766		93.27	MTs	2.19
255	2050		89.68	MTs	1.49
256	2066		45.32	MTs	3.64
257	2092		23.23	MTs	1.28
258	2098		9.28	MTs	1.12
259	2136		48.25	MTs	4.28
260	2184		96.50	MTs	5.85
261	3014		356.72	MTs	4.38
262	3022		2.68	MTs	0.02
263	3030		61.50	MTs	0.55
264	3074		131.33	MTs	1.81
265	3086		1.35	MTs	0.01
266	3102		324.90	MTs	3.68
267	3520		34.31	MTs	0.79
268	3522		4.02	MTs	0.06
269	4010		715.61	MTs	3.36
270	4053		77.19	MTs	5.18
271	4072		0.78	MTs	0.10
272	4074		0.26	MTs	0.03
273	4100		16.89	MTs	0.31
274	4535		53.60	MTs	9.46
275	4550		0.26	MTs	0.10
276	4558		77.19	MTs	2.89
277	4595		0.97	MTs	0.12
278	4597		171.87	MTs	7.68
279	4614		0.54	MTs	0.02
280	5004		3.35	MTs	0.02
281	5011		66.44	MTs	1.61
282	5050		6.70	MTs	0.17
283	5052		6.70	MTs	0.18
284	5053		10.72	MTs	1.03
285	5064		50.11	MTs	2.83
286	5074		5.36	MTs	0.04
287	5082	5076	136.37	MTs	2.55
288	5084		4.08	MTs	0.10
289	5514		4.83	MTs	0.06
290	6025	6012/6015	199.73	MTs	5.06
291	6074		256.22	MTs	10.67
292	6096		69.41	MTs	2.01
293	6104		50.19	MTs	2.00
294	6108		109.52	MTs	1.50
295	6200	6037	1.51	MTs	0.08
296	6214		33.50	MTs	1.50

297	6216		241.22	MTs	4.45
298	6544		32.58	MTs	1.53
299	6546		8.04	MTs	0.37
300	6550		0.47	MTs	0.02
301	6560		0.98	MTs	0.04
302	6588		341.32	MTs	4.38
303	8086		5.90	MTs	0.47
304	8108		0.67	MTs	0.19
305	8118		3.51	MTs	0.73
306	8176		7.72	MTs	0.73
307	8594		4.02	MTs	0.14
308	8598		1.51	MTs	0.09
309	56060		20.66	MTs	0.71
310	63552		359.94	MTs	12.04
311	65538		334.73	MTs	2.75
312	65550		335.03	MTs	4.66
313	65568		1.07	MTs	0.03
314	65584		70.49	MTs	2.17
315	65642		2.43	MTs	0.09
316	65644		1.90	MTs	0.07
317	65694		114.98	MTs	2.05
318	65706		23.15	MTs	2.36
319	1052		4.29	MTs	0.28
320	1206	108	12.61	MTs	0.76
321	1244	1245	268.02	MTs	13.08
322	1306		1.64	MTs	0.06
323	1543	1599/1613	2653.39	MTs	52.16
324	1647	1668	181.60	MTs	5.13
325	1673		21.93	MTs	0.80
326	1711		110.69	MTs	3.23
327	1732		771.87	MTs	19.87
328	1738		16.09	MTs	0.47
329	1742		18.78	MTs	0.44
330	1744		3.55	MTs	0.15
331	2042		0.25	MTs	0.02
332	2101	2100	243.76	MTs	12.54
333	2134	2131	482.43	MTs	19.51
334	4565	4568	257.39	MTs	12.17
335	6082	6084	252.34	MTs	3.31
336	55570		603.05	MTs	25.11
337	55578		335.03	MTs	14.75
338	55580		268.02	MTs	12.25
339	55552		241.22	MTs	10.04
340	55572		268.02	MTs	11.86
341	55576		254.62	MTs	11.25
342	8145	8144	80.41	MTs	4.05
343	1752	1756/1758	67.01	MTs	2.47
344	6102	6038	4020.29	MTs	71.76
345	6006	6118	4020.29	MTs	69.37
346	1768	1770	67.01	MTs	2.07

347	8162	81621/81622/81623	134.01	MTs	5.10
348	2007	20071	4.02	MTs	0.36
349	1764	1666/1756	67.01	MTs	2.79

FINANCIAL YEAR- 2021-22					
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- 2022-23					
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- 2023-24					
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- 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	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

**FINANCIAL YEAR- 2026-27**

**LPG Group Projected PROCUREMENT**

SN	Description of Item	Broad specification parameters	Qty	Accounting Unit	Estimated value of Procurement value in Crores
1	LPG Pump		15	Nos.	9.97
2	LPG Compressor		20	Nos.	8.70
3	Air Compressor		20	Nos.	2.76
4	Air Dryer		25	Nos.	4.32
5	DG Set		10	Nos.	4.46
6	Fire Engine		12	Nos.	1.48
7	Valve change without Evacuation Machine		6	Nos.	1.51

8	LPG Loading arm		16	Nos.	0.48
9	Carousel		12	Nos.	44.25
10	Computers		0	Nos.	0.00
11	Additive dosing machines		20	Nos.	4.14
12	Carousal Cards in Nos.		288	Nos.	2.72
13	Mech Seals (Refurbishing) Nos.for LPG Pump		15	Nos.	0.47
14	Mech Seals New in Nos. for LPG Pump		10	Nos.	1.00
15	Valves / Flanges / Gaskets / Spares in Nos.		600	Nos.	15.75
16	Cables (Control / Power) in RMs		6000	Nos.	0.09
17	Pressure / Temp Transmitters/Gauges in Nos.		20	Nos.	0.21
18	Fire Engine / DG / DC Batteries in Nos.		300	Nos.	0.47
19	Conveyor Chain in RM		50000	Nos.	6.30
20	Air Ends of Screw Compressors		0	Nos.	0.00
21	Spares (Filters & Accessories) Air Comp in Nos.		300	Nos.	0.79
22	LPG Vap Comp Seals / valves / Plates		600	Nos.	1.90
23	Lights and Fixtures / Bulbs / glands / JB's / Switches		10000	Nos.	1.05
24	Relays / Fuses		6000	Nos.	1.26
25	Printer Cartridges		0	Nos.	0.00
26	Sprockets / Cylinders / Shafts / wearing strips / Pneumatic tubing / connectors		20000	Nos.	4.20
27	Misc Spares /Car (sensors / connectors / cables etc)		400	Nos.	4.20
28	TLD / TLF Spares		800	Nos.	2.10
29	Structural steel for Conv / Misc Works in MT		1000	Nos.	3.99
30	Diesel / Fire Engine Spares / filters / glands		250	Nos.	2.63
31	Spares for Level gauges / transmitters		500	Nos.	10.00

32	Fire / SCADA / GMS Panel Spares / MIMIC / sensors / transmitter		350	Nos.	2.45
33	CCTV spares / modules and Electronic Items for CCTV system		150	Nos.	3.04
34	Load cells for weigh bridges / weighing scales / carousals		300	Nos.	0.79
35	Centering Arms of carousals		1200	Nos.	0.15
36	14.2 Kg Cylinders (Including New & Replacement)		4500000	Nos.	704.79
37	19 Kg Cylinders (Including New & Replacement)		500000	Nos.	91.53
38	47.5 Kg Cylinders (Including New & Replacement)		5000	Nos.	1.98
39	5 Kg Cylinders (Including New & Replacement)		500000	Nos.	41.7
40	425 KG Cylinders		5000	Nos.	37.73
41	Pressure Regulators		5000000	Nos.	80.86
42	Self-Closing Valve		3000000 0	Nos.	294.63

Sr No.	Name of Machinery/ Component	Number of the Machinery/ components likely to be procured in next 5 years						Estimated value of these procurements in next 5 years (INR Cr.)					
		2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
1	Pump Spares	Lot	Lot	Lot	Lot	Lot	Lot	48	49	51	52	53	53
2	Mechanical Seal Spares	Lot	Lot	Lot	Lot	Lot	Lot	56	58	59	61	62	62
3	Bearings	Lot	Lot	Lot	Lot	Lot	Lot	5	5	5	5	5	6
4	Turbine Spares	Lot	Lot	Lot	Lot	Lot	Lot	116	119	122	125	129	130
5	Steam Engine Spares	Lot	Lot	Lot	Lot	Lot	Lot	1	1	1	1	1	1
6	Furnace Spares	Lot	Lot	Lot	Lot	Lot	Lot	14	15	15	15	16	16
7	Compressor Spares	Lot	Lot	Lot	Lot	Lot	Lot	61	62	64	65	67	68
8	Fan & Blower Spares	Lot	Lot	Lot	Lot	Lot	Lot	7	7	7	7	7	7
9	Agitator & Mixer Spares	Lot	Lot	Lot	Lot	Lot	Lot	2	2	2	2	2	2
10	ETP,LPG Plant Equipment Spares	Lot	Lot	Lot	Lot	Lot	Lot	12	12	12	13	13	13
11	Air Conditioner Spares	Lot	Lot	Lot	Lot	Lot	Lot	2	2	2	2	3	3
12	Heat Exchanger Spares	Lot	Lot	Lot	Lot	Lot	Lot	46	47	48	49	51	52
13	Column/ Reactor Spares	Lot	Lot	Lot	Lot	Lot	Lot	34	35	36	37	38	39
14	Pipe & Pipe Fittings	Lot	Lot	Lot	Lot	Lot	Lot	127	130	133	137	140	142
15	Gear Box Spares	Lot	Lot	Lot	Lot	Lot	Lot	9	9	9	10	10	10
16	Motor Spares	Lot	Lot	Lot	Lot	Lot	Lot	4	4	4	4	5	5
17	Transformer, Battery, Switch Gear, Cable, Lamp etc. Spares	Lot	Lot	Lot	Lot	Lot	Lot	80	82	84	86	88	89