Website link- https://www.hindustanpetroleum.com/images/pdf/5yearsPlan.pdf

Ministry Department- Ministry of Petroleum and Natural Gas

Financial Year: 2023-24

Sr No	Description of item	Broad Specification Parameters	Qty	Accounting Unit	Estimated Value of
				(Nos/Kilometers	Procurement
				/Kg)	(Rs in Cr)
1	Motors	3 phase Induction motors with FLP enclousre rating varying from 7.5 kw to 450 kw	1	Nos	3.00
2	Electrical panel and Components	22kv, 6.6 kv, 3.3 kv and 415 v switchboard with incomer, motor, transformer and spare feeder	3	Nos	5.85
3	Procurement of 33 kv Cable	Material- Aluminum Cable of 3 Core	8	Nos	7.50
4	Compressors and Spares	KW rating 13.9 to 3030 , Spares-Magnum Valve	300	Nos	2.50
		Discharge/Shoes Thrust Main Bearing/ Shell Main Bearing/ Shims for Bearing Clearance Adjustment/ Seal Oil/ Ring Oil ETC			
5	Pump and pump spares	Flow 5m3/hr to 2500 m3/hr, Spares-Impeller/ Diffuser/ Case Wearing/ Diffuser Wearing/ Impleller wearing/ Balance wearing/ Locknut/ Shaft/ Bearing Space Sleeve/ Inter stage sleeve ETC	1553	Nos	27.75
6	Heat Exchangerand Components	Channel, Channel Cover, FTS Cover of metallurgy CS with SDSS/Monel cladding of sizes varying from 500mm dia to 2000 mm dia, SDSS(UNS 32750)/ Titanium (SB338 Gr.2) tubes of dia 19.05 mm, Channel, Channel Cover ETC Fabrication as per relevant ASME Section VIII, Div.1/TEMA, Class-R Specifications.	49	Nos	12.31
7	Filters	Autoback wash filter, coalescers of Polyproplylene, Glass Fibre,Cotton Wound material (Filtration Rating: 5 Micron to 40 micron)	2	Nos	2.50
8	Furnace Spares	Furnace Tubes of metallurgy A376 TP347H,TP321 & A335 P5,P9 with return Bends of Size 3",4",6" and 8" (Tube Lengths 4m to 9m.), Burner Main and Pilot Gas Tips of SS310 metallurgy, Risers, Regen tile and Burner Tile	2	Lots	1.00
9	IT equipments and computers	L2, L3 Switches ,WiFl Access points , Out door AP's , Software solutions - NMS Tools , Router (WAN) for Jawar Deep and IT Cartridges	2170	Nos	1.87
10	Lab Equipment	Ice Machine-Lab Equipment for preparation of ice cubes for cooling of CFR Engines and for cooling in various temperature bath/ Glassware-aboratory apparatus like Viscometers, Distillation flasks, Pipettes, Burettes, Beakers, Separating funnels etc	5	Lots	3.03
11	Distributed Control System	DCS/PLC electronic cards and components	3	Nos	6.00
12	Analyzers (Process/stack)	Process Analyzers	2	Nos	1.50
13	Vehicles	A 4 wheel drive, diesel engine, open door type, Non-AC type, Manual Gear, Non-metallic roof type.	5	Nos	0.35
14	Vehicles	A 4 wheel drive, diesel engine, close door type, Non-AC type, Manual Gear, Power steering.	4	Nos	0.40
15	Cooling Tower Pumps	Horizontal Centrifugal pump with between bearing design with 56.6 m head and 3500m3/hr Flow	1	Nos	1.35
16	DHDS RGC Motor, VFD replacement with DOL		600	KG	3.00
17	Hotwell drum for CDU-II	Carbon Steel Pipes/Flanges/Elbow/Fittings	600	KG	3.00
18	12C01 Column internals	Tailor made Mechanical Basket for holding catalyst at top bed of the reactor	1	Set	3.50

Sr No	Description of item	Broad Specification Parameters	Qty	Accounting Unit (Nos/Kilometers	Estimated Value of Procurement
				/Kg)	(Rs in Cr)
19	Carosuel & Downstram Equipment	24 HEAD ELECTRONIC CAROUSEL, CAP:1500 CYL/HR, FOR MIXED LOAD OF 14.2 KG AND 19 KG CYLINDER. DOWNSTREAM EQUIPMENT INCLUDING ELECTRONIC CHECK SCALE, ELECTRONIC LEAK DETECTOR & O RING LEAK DETECTOR WITH THE CAPACITY OF 2200 CYL/HR.	2	Nos	6.00
20	Booster Compressor (250-400 SCMH)	Electric Motor Driven Hydraulic Booster Compressor of min 450 or 250 SCMH flow capacity for suction pr range of 30-200 kg/cm^2 and discharge pressure of 250 Kg/cm^2	110	Nos	67.50
21	Double nozzle CBG dispenser	Double Arm CNG / CBG Dispensers with >= 15 Kg/min flow capacity	110	Nos	12.76
22	Stationary cascade (3000 WL ~300 kg)	CNG Storage Cascades of 3000/4500 Water Liter capacity at 250 bar and suitable for 20-48 degree	110	Nos	19.80
23	Gas Analyser	On line Gas Analyser for ascertaining composition of CBG at Retail Outlets	110	Nos	6.60
24	DU (Dispensing Units)	MS/HSD dispensing unit 1.5KW	250	Nos	4.70
25	S S TANK (22/35 KL)	MS STEEL TANKS OF 22 & 35 KL	130	Nos	5.75
26	AUTOMATION	LOGING OF RECEIPT & DISCHARGE AT CONSUMER PUMP	19	Nos	0.95
27	Kettles	Application;;For Lube, Viscosity Range - 10cST-500cST, Pressure - Atmospheric & pressurized as per applicable application Heat system; Steam & Thermic Fluid Heating stirrer veins, Compliance to applicable regulatory norms and standard. IP Protecion - As per location (i.e. Mumbai, Silvassa, Chennai & Kolkata)	2	Nos	1.40
28	RPS-FM	Application - For Pick and place of filled bucket and containers with Robotic palletizer. Repeatability of positioning5 MM, Compliance and saftey interlocks as per applicable regulatory norms & standards. IP Protection as per location (i.e. Mumbai, Silvassa, Chennai & Kolkata)\	1	Nos	3.50
29	Pumps	Type - Twin Screw. Lube Application, Viscosity Range - 10cST-500cST, 1500lpm / pressure regulators Compliance to applicable regulatory norms and standard. IP Protecion - As per location (i.e. Mumbai, Silvassa, Chennai & Kolkata)	2	Nos	0.05
30	Aircraft Refueller	Design, Fabrication of Equipment under third party inspection, Testing and commissioning of Various Capacity Aircraft Refuellers, as per approved Drawings, QAP and Specifications	5	Nos	8.50
31	Bunded Tank	Design, Fabrication of Equipment under third party inspection, Testing and commissioning of 30 KL Self Bunded Tank Facility for Aviation use, as per approved Drawings, QAP and Specifications	2	Nos	2.42
32	Aviation Filters	Aviation Filters conforming to EI 1581 and EI 1583 latest specification	1968	Nos	1.23
33	Aviation Hoses	Aviation Hose meeting El 1529 Latest specifications	116	Nos	0.69
34	CNG Dispensers	Double Arm CNG Dispensers with >= 15 Kg/min flow capacity	130	Nos	17.93
35	CNG Cascades	CNG Storage Cascades of 3000/4500 Water Liter capacity at 250 bar and suitable for 20-48 degree	195	Nos	52.65
36	CNG Compressors-Booster	Electric Motor Driven Hydraulic Booster Compressor of min 450 or 250 SCMH flow capacity for suction pr range of 30-200 kg/cm^2 and discharge pressure of 250 Kg/cm^2	78	Nos	60.84
37	CNG Compressors-GED	Gas Engine Driven CNG Compressors of 1200 SCMH flow capacity	13	Nos	23.40
38	CNG Compressors-EMD	Electric Motor Driven CNG Compressors of 1200 SCMH Capacity	13	Nos	17.16
39	CNG Compressors-VIP	Variable Input Suction Pressure compressors of 600 SCMH flow capacity	26	Nos	31.20
40	SS Tubings	Seamless Stainless Steel tubings fully annealed of 3/4" and 1/2" sizes	32500	Meters	23.40
41	Domestic Meters	Domestic Diaphragm Natural Gas Meters G1.6 for Domestic PNG connections	301600	Nos	54.29
42	Regulators	Regulators for Domestic/ Commercial/ Industrial connections	301600	Nos	27.14

Sr No	Description of item	Broad Specification Parameters	Qty	Accounting	Estimated	
				Unit	Value of	
				(Nos/Kilometers	Procurement	
				/Kg)	(Rs in Cr)	
43	DCU	De-Compression unit of 450 SCMH capacity with inlet pr of	10	Nos	4.22	
		250 bar and outlet pr of 4 bar				
44	DRS	District Regulatory Skid Stations of 2500 SCMH capacity	15	Nos	6.17	
45	MDPE Pipes	Medium Density PE 80/100 pipes of various sizes	4826	Kilometers	231.65	
46	Carbon Steel Pipes	Carbon Steel 3LPE X52 5L pipes of various sizes	297	Kilometers	23.76	
47	Additive	LZ16005/OLOA8888/ ALTERNATE	1520	MT	28.45	
		for Manufacturing of Engine Oil				
48	Additive	LZ3700D/LZ 8688/ALTERNATE	1705	MT	26.29	
		for Manufacturing of Engine Oil				
49	Additive	LZ3587/HITEC1272 S/ALTERNATE	120	MT	2.42	
		Manufacturing of Engine Oil				
50	Additive	LZCV3103/HITEC 1272S/ALTERNATE	435	MT	6.64	
F1	A deliking	Manufacturing of Engine Oil	220	N.4T	9.39	
51	Additive	LZ1040A/ALTERNATE	330	MT	9.39	
52	a didistrice	Manufacturing of EP grade Gear Oil LZ1040A/ALTERNATE	00	NAT.	2.57	
52	Additive	Manufacturing of XP grade Gear Oil	90	MT	2.57	
53	Additive	OLOA22045/ALTERNATE	2450	NAT.	44.20	
JS	Additive	Manufacturing of 4 stroke engine oil	2450	MT	74.20	
54	Additive	LZFC7040/OLOA 22045/ALTERNATE	1935	NAT.	35.92	
54	Additive	Manufacturing of 4 stroke engine oil	1935	MT	33.92	
55	Additive	LZCV7540/ALTERNATE	915	MT	18.26	
33	Additive	Manufacturing of Diesel Engine Oil	915	IVII	18.20	
56	Additive	InfineumS911/ALTERNATE	205	MT	5.73	
30	Additive	Manufacturing of 2 stroke Engine Oil	203	IVII	3.73	
57	Additive	LZCV2301/ALTERNATE	420	MT	6.27	
37	Additive	Manufacturing of Turbo Diesel Engine Oil	420	IVII	0.27	
58	Additive	OLOA59054/ALTERNATE	126	МТ	2.47	
30	ridative	Manufacturing of Multigrade Engine Oil	120	'''	[2.47	
59	Additive	OLOA 1255Z/ALTERNATE	11	MT	0.33	
55	, additive	Manufacturing of Engine Oil	1-1	'''		
60	Additive	LZPV9131/ALTERNATE	119	МТ	3.83	
		Manufcturing of synthetic grade Engine Oil	123			
61	Additive	LZ760C/ALTERNATE	131	MT	2.39	
		Manufacturing of Industial Lube Oil				
62	Additive	Supertran i/r MONO	134	MT	2.88	
63	Additive	SA300/ALTERNATE	25	MT	1.53	
		Additive for antirust in Lube Oil				
64	Additive	LZ677A/ALTERNATE	400	MT	12.65	
		Additive for anti wear in lube oil				
65	Additive	LZ5703/HITEC 521/Alternate	57	MT	1.95	
		Manufacturing compressor oil				
66	Additive	LZ5047/ALTERNATE	98	MT	3.90	
		Used for manufacturing Lube Oil				
67	Additive	BA55/ALTERNATE	16	MT	0.97	
	1	Aditive for Corrosion inhibitor				
					144.00	
68	Additive	LZFC8270BX/Alternate	950	MT	41.06	
		Manufacturing of 2 wheeler engine oil				
69	Additive Additive	Manufacturing of 2 wheeler engine oil OLOA2000/Alternate	950 475	MT	11.93	
69	Additive	Manufacturing of 2 wheeler engine oil OLOA2000/Alternate Manufacturing of Rail Road Engine Oil	475	MT	11.93	
		Manufacturing of 2 wheeler engine oil OLOA2000/Alternate Manufacturing of Rail Road Engine Oil Paratone8015/alternate				
69 70	Additive Additive	Manufacturing of 2 wheeler engine oil OLOA2000/Alternate Manufacturing of Rail Road Engine Oil Paratone8015/alternate Manufacturing of Rail Road Engine Oil	475 160	MT MT	11.93	
69	Additive	Manufacturing of 2 wheeler engine oil OLOA2000/Alternate Manufacturing of Rail Road Engine Oil Paratone8015/alternate Manufacturing of Rail Road Engine Oil LZ5940/ALTERNATE	475	MT	11.93	
70 71	Additive Additive Additive	Manufacturing of 2 wheeler engine oil OLOA2000/Alternate Manufacturing of Rail Road Engine Oil Paratone8015/alternate Manufacturing of Rail Road Engine Oil LZ5940/ALTERNATE Manufacturing of heat transmission Oil	475 160 80	MT MT MT	11.93 4.00 2.06	
69 70	Additive Additive	Manufacturing of 2 wheeler engine oil OLOA2000/Alternate Manufacturing of Rail Road Engine Oil Paratone8015/alternate Manufacturing of Rail Road Engine Oil LZ5940/ALTERNATE Manufacturing of heat transmission Oil LZ9990A/Alternate	475 160	MT MT	11.93	
70 71 72	Additive Additive Additive Additive	Manufacturing of 2 wheeler engine oil OLOA2000/Alternate Manufacturing of Rail Road Engine Oil Paratone8015/alternate Manufacturing of Rail Road Engine Oil LZ5940/ALTERNATE Manufacturing of heat transmission Oil LZ9990A/Alternate Manufacturing of Gear Oil	475 160 80 180	MT MT MT MT	11.93 4.00 2.06 8.23	
70 71	Additive Additive Additive	Manufacturing of 2 wheeler engine oil OLOA2000/Alternate Manufacturing of Rail Road Engine Oil Paratone8015/alternate Manufacturing of Rail Road Engine Oil LZ5940/ALTERNATE Manufacturing of heat transmission Oil LZ9990A/Alternate Manufacturing of Gear Oil LZ5941/Alternate	475 160 80	MT MT MT	11.93 4.00 2.06	
70 71 72 73	Additive Additive Additive Additive Additive	Manufacturing of 2 wheeler engine oil OLOA2000/Alternate Manufacturing of Rail Road Engine Oil Paratone8015/alternate Manufacturing of Rail Road Engine Oil LZ5940/ALTERNATE Manufacturing of heat transmission Oil LZ9990A/Alternate Manufacturing of Gear Oil LZ5941/Alternate Manufacturing of quenching Oil	475 160 80 180 12	MT MT MT MT MT	11.93 4.00 2.06 8.23 0.51	
70 71 72	Additive Additive Additive Additive	Manufacturing of 2 wheeler engine oil OLOA2000/Alternate Manufacturing of Rail Road Engine Oil Paratone8015/alternate Manufacturing of Rail Road Engine Oil LZ5940/ALTERNATE Manufacturing of heat transmission Oil LZ9990A/Alternate Manufacturing of Gear Oil LZ5941/Alternate Manufacturing of quenching Oil Hitec 5708/ALTERNATE	475 160 80 180	MT MT MT MT	11.93 4.00 2.06 8.23	
70 71 72 73	Additive Additive Additive Additive Additive Additive Additive	Manufacturing of 2 wheeler engine oil OLOA2000/Alternate Manufacturing of Rail Road Engine Oil Paratone8015/alternate Manufacturing of Rail Road Engine Oil LZ5940/ALTERNATE Manufacturing of heat transmission Oil LZ9990A/Alternate Manufacturing of Gear Oil LZ5941/Alternate Manufacturing of quenching Oil Hitec 5708/ALTERNATE Manufacturing of Gearoil	475 160 80 180 12 88	MT MT MT MT MT MT MT	11.93 4.00 2.06 8.23 0.51	
70 71 72 73	Additive Additive Additive Additive Additive	Manufacturing of 2 wheeler engine oil OLOA2000/Alternate Manufacturing of Rail Road Engine Oil Paratone8015/alternate Manufacturing of Rail Road Engine Oil LZ5940/ALTERNATE Manufacturing of heat transmission Oil LZ9990A/Alternate Manufacturing of Gear Oil LZ5941/Alternate Manufacturing of quenching Oil Hitec 5708/ALTERNATE Manufacturing of Gearoil ADCOEP52/ALTERNATE	475 160 80 180 12	MT MT MT MT MT	11.93 4.00 2.06 8.23 0.51	
70 71 72 73 74	Additive Additive Additive Additive Additive Additive Additive Additive	Manufacturing of 2 wheeler engine oil OLOA2000/Alternate Manufacturing of Rail Road Engine Oil Paratone8015/alternate Manufacturing of Rail Road Engine Oil LZ5940/ALTERNATE Manufacturing of heat transmission Oil LZ9900A/Alternate Manufacturing of Gear Oil LZ5941/Alternate Manufacturing of quenching Oil Hitec 5708/ALTERNATE Manufacturing of Gearoil ADCOEP52/ALTERNATE Lube oil for Textile Millis	475 160 80 180 12 88	MT MT MT MT MT MT MT MT	11.93 4.00 2.06 8.23 0.51 1.72	
70 71 72 73	Additive Additive Additive Additive Additive Additive Additive	Manufacturing of 2 wheeler engine oil OLOA2000/Alternate Manufacturing of Rail Road Engine Oil Paratone8015/alternate Manufacturing of Rail Road Engine Oil LZ5940/ALTERNATE Manufacturing of heat transmission Oil LZ9990A/Alternate Manufacturing of Gear Oil LZ5941/Alternate Manufacturing of quenching Oil Hitec 5708/ALTERNATE Manufacturing of Gearoil ADCOEP52/ALTERNATE Lube oil for Textile MillIs RC3760/ALTERNATE	475 160 80 180 12 88	MT MT MT MT MT MT MT	11.93 4.00 2.06 8.23 0.51	
70 71 72 73 74	Additive Additive Additive Additive Additive Additive Additive Additive	Manufacturing of 2 wheeler engine oil OLOA2000/Alternate Manufacturing of Rail Road Engine Oil Paratone8015/alternate Manufacturing of Rail Road Engine Oil LZ5940/ALTERNATE Manufacturing of heat transmission Oil LZ9900A/Alternate Manufacturing of Gear Oil LZ5941/Alternate Manufacturing of quenching Oil Hitec 5708/ALTERNATE Manufacturing of Gearoil ADCOEP52/ALTERNATE Lube oil for Textile Millis	475 160 80 180 12 88	MT MT MT MT MT MT MT MT	11.93 4.00 2.06 8.23 0.51 1.72	

Sr No	Description of item	Broad Specification Parameters	Qty	Accounting Unit (Nos/Kilometers /Kg)	Estimated Value of Procurement (Rs in Cr)
78	Additive	Anglamol 99,LZ 6178/Alternate Manufacturing of Gear Oil	23	MT	1.01
79	Additive	TALUMARB215, MAR501 S/Alternate Manufacturing of Marine grades.	11	MT	0.50
80	Additive	Anglamol6044BB/Alternate Manufacturing of Greases	11	MT	0.53
81	Additive	Anglamol 6043/Alternate	11	MT	0.49
82	Additive	Manufacturing of Gear Oil LZCV7530/Alternate Manufacturing of Diesel Engine Oil.	1344	MT	27.30
83	Additive	OLOA1255/Alternate Manufacturing of Lube Oil for CNG vehicles.	12	MT	0.73
84	Base Oil	GRIII4cST Manufacturining of Synthetic Engine Oil	610	MT	7.62
85	Base Oil	GRIII6cST Manufacturining of Synthetic Engine Oil	32	MT	0.45
86	Base Oil	GRIII8cST	3090	MT	35.26
87	Additive	Manufacturining of Synthetic Engine Oil PAO10/ Alternate Manufacturining of Synthetic Lube Grades.	22	MT	0.66
88	Additive	PAO 100/ Alternate Manufacturining of Synthetic Lube Grades. Manufacturining of Synthetic Lube Grades.	33	MT	1.14
89	Additive	PAO6/ Alternate	55	MT	1.65
90	Base Oil (WHITE OIL)	Manufacturining of Synthetic Lube Grades. WHITE OIL	2920	MT	16.69
91	Additive	For manufacturing of Lube Oil LZ3702/alternate	170	MT	6.62
92	Additive	For manufacturing Gear Oil LZ9151/alternate	1130	MT	46.31
93	Additive	For manufacturing Bajaj Grade Lube Oil RC8239/ALTERNATE	7	MT	0.44
94	Additive	Manufacturing of Shock absorber Oil grades LZ5172/Alternate	3	MT	0.53
95	Additive	Anti Emulsion LZ889D/Alternate	3	MT	0.32
96	Additive	Anti Foaming HITEC 8705/ALTERNATE	140	MT	4.60
97	Additive	Manufacturing of Lube Oil LZ7065CA/Paratone8910/ Hitec5835H/ OCPJ0030 and Lubimax	1380	MT	32.50
98	Additive	5835 for manufacturing of PBO LZ7067C for manufacturing of PBO Super	310	MT	12.50
99	Additive	ELCO313/ LZ 5340/LZ 5346/Addco Sw2/Hitec 561 for manufacturing of Waylube Grades.	14	MT	1.70
100	Additive	Lithium Hydroxide for Manufacturing Greases	52	MT	3.20
101	Additive	PARABAR 441/BHT/DPBC for Manufacturing of Lube Oil	140	MT	3.32
102	Additive	LZAT3112 and equivalent grade For manufacturing of Lube Oil	150	MT	6.52
103	Food Grade Hexane (other hydrocarbon)	Food Grade Hexane (other hydrocarbon)	10	TMT	69
104	2ETHYL HEXANOIC ACID (Antistatic Additive)	2ETHYL HEXANOIC ACID (Antistatic Additive)	900	MT	11.5
105	MTO (other hydrocarbon)	Mineral Turpentine Oil (other hydrocarbon)	30	TMT	171.7
	Off gas drier adsorbent in Naptha Isomarization Unit (NIU)	14.3 m3 of Off-gas drier adsorbents and 0.83 m3 of Inert balls used in C5/C6 Naphtha Isomerisation unit Off Gas Dryer	15.13	CUBIC METER	0.36
106	. ,	vessels to remove moisture from scrubber off-gases to prevent condensation in downstream LPG recovery section.			
107	SPM-FLOATING HOSE	1. 24 inch First off buoy hose 2. 24 inch Mainline Hose 3. 24 inch x 16 inch taper bore hose 4. 16 inch tail hose 5. 16 inch tanker rail hose	4	Nos	2
108	SPM-MOORING HAWSER	18 inches Circumference, 55 meters Length (unstretched, In- Use), Circular Branded Nylon material, Type Single, Minimum New Wet Breaking Strength 4513 kN	2	Nos	0.28

Sr No	Description of item	Broad Specification Parameters	Qty	Accounting	Estimated	
				Unit	Value of	
				(Nos/Kilometers		
100	CDAA EVDANCIONI JOINT	24 inch ausgesies is int feu CDM	2	/Kg)	(Rs in Cr)	
109 110	SPM-EXPANSION JOINT	24 inch expansion joint for SPM	300	Nos No.	0.32 4.5	
110	IT Networking equipments	L2 / L3 Switches, Wireless AP's DRA is an additive used for online dosing in cross country	360	Kilo Liters (KL)	12	
111	Drag Reducing Agent (DRA)	pipeline for enhancing flow rate during transportation of	300	Kilo Liters (KL)	12	
		petroleum / refined petro products				
	Roof hose drains	6 inch SS armored roof hose drains for crude storage tank	0	Nos	0	
112						
113	Fluidized Catalytic Cracking Catalyst	Fluidized Catalytic Cracking Catalyst	2250	MT	90	
	Technical Consultancy for sourcing of	The Consultant will advise on the critical terms ,development	0	No	0	
114	Liquified Natural Gas (LNG)	of evaluation matrix and technical / commercial evaluation of				
114		the potential opportunities for sourcing of LNG				
	Auto Distillation Unit	Auto Distillation Unit is used for testing of white oil /lighter	0	No	0	
115	Auto distillation offit	petroleum fractions (MG/ADF/SKO)	U	NO	ľ	
	UVF Sulpher Analyzer	UVF Sulpher Analyzer is used for Supher testing of BS VI Oil	0	No	0	
116	ovi saipiici /iliaiyzei	samples.		140	ľ	
117	Inductive Coupled Plasma	For testing elements of DEF-Diesel Exhaust Fluid in Aqueous	0	No	0	
117		Media & Lube oil in organic Media				
118	Temperature programmed desorption (TPD)	Required for acidity analysis of catalysts/additives.	0	No	0	
	with massspectrometer				_	
	Metal Impregnation Equipment Package	It is used for impregnation of metal salts solution/slurries on	0	Pkg	0	
119		support alumina for catalysts synthesis-500 KG Capacity				
	Gas Phase Polymerization Reactor System	Required for polymerization of ethylene and/or propylene to	0	No	0	
		evaluate different catalyst and optimize process condition				
120		with approximately similar flow condition as in a commercial				
		continuous gas phase reactor like a fludized bed reactor .				
		2 (4.05	ļ	0.00	
	Reference fuels for Quality Control	Reference fuels for QC equipment(CFR Engine)	1. 25	barrels	2.32	
	Equipment 1. Iso octane		2. 11 3. 11			
	2. N-heptane		4. 3			
121	3. 80-20(isooctane PRF blend)		5. 3			
121	4. T fuel		6. 2			
	5. U fuel		0. 2			
	6. TEL isooctane blend					
	CO Combustion Promoter	Specialized Additives & Chemicals to improve yield	3.18	MT	1.029	
122		optimization , maintain product specifications and ensure				
		corrosion inhibition in process Units				
123	Anti-static additive for ATF	For conductivity improvement in ATF	2604	Kgs	1.34	
124	Procurement of	Fabrication, Assembly, Testing, Supply and commissioning of	1	Nos	12	
	140/150 MT Crane	brand new Rough Terrain; Telescopic; Hydraulic; Diesel driven;				
		Multiaxle; tyre mounted; 360 degrees continuous slewing mobile Crane of				
		140/150 Metric Ton Capacity.				
		13-0/130 Metric for capacity.				
125	NHT Catalyst	Nil	Nil	Nil	Nil	
126	Tribo Test Rig-FZG	Nil	Nil	Nil	Nil	
127	Merox catalyst	Merox Impregnated Catalyst	45.25	MT	4.89	
128	Hydrotreating Catalyst (VGO & Diesel))	Nil	Nil	Nil	Nil	
129	Enzymes	Cellulosic Enzyme (bio-catalyst) required for conversion of	Nil	Nil	Nil	
		cellulose to simple sugar for further conversion to Ethanol				
		through fermentation, required for 2G Bio-Ethanol Refinery at				
120	ACTM Proficional Testing for Labor	Bhatinda.	Nil	Niil	Niil	
130	ASTM Proficiency Testing for Labs	Nil	IIIII	Nil	Nil	

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Ministry Department- Ministry of Petroleum and Natural Gas

Financial Year: 2024-25

Sr No	Description of item	Broad Specification Parameters	Qty	Accounting	Estimated	
				Unit	Value of	
				(Nos/Kilometers		
				/Kg)	(Rs in Cr)	
1	Electrical panel and Components	22kv, 6.6 kv, 3.3 kv and 415 v switchboard with incomer,	46	No.	5.70	
		motor, transformer and spare feeder				
2	Compressors and Spares	KW rating 13.9 to 3030 , Spares-Magnum Valve	504	No.	6.90	
		Discharge/Shoes Thrust Main Bearing/ Shell Main Bearing/				
		Shims for Bearing Clearance Adjustment/ Seal Oil/ Ring Oil				
		ETC				
3	Pump and pump spares	Flow 5m3/hr to 2500 m3/hr, Spares-Impeller/ Diffuser/ Case	1550	No.	18.50	
		Wearing/ Diffuser Wearing/ Impleller wearing/ Balance				
		wearing/ Locknut/ Shaft/ Bearing Space Sleeve/ Inter stage				
		sleeve ETC				
4	Gas Turbine Generator Spares	Frame 5, Spares-Liner Bearing, Seal Air, Stationary Oil	35	No.	2.50	
		Bearing, Deflector Oil Bearing, Hexagon Nut, Stud-Body				
		Bound/ Twelve Point Head Bolt/ Gear IGV/ Spring Leaf/				
		Bushing Du/ Bushing ETC				
5	Heat Exchanger and Components	Channel, Channel Cover, FTS Cover of metallurgy CS with	59	No.	15.91	
		SDSS/Monel cladding of sizes varying from 500mm dia to				
		2000 mm dia, SDSS(UNS 32750)/ Titanium (SB338 Gr.2) tubes				
		of dia 19.05 mm, Channel, Channel Cover, FTS Cover of CS				
		metallurgy with/without Monel cladding and DSS metallurgy				
		of sizes varying from 500mm dia to 1800 mm dia. Tube				
		bundles with Tubesheet metallurgy of CS/DSS/Monel and				
		CS/SDSS/DSS/Titanium/Cu-Ni tubes.				
		Fabrication as per relevant ASME Section VIII, Div.1/TEMA,				
		Class-R Specifications.				
6	Filters	Autoback wash filter, coalescers of Polyproplylene, Glass	1	No.	3.00	
		Fibre,Cotton Wound material (Filtration Rating: 5 Micron to				
		40 micron)				
7	Furnace Spares	Furnace Tubes of metallurgy A376 TP347H,TP321 & A335	2	Lot	1.00	
		P5,P9 with return Bends of Size 3",4",6" and 8" (Tube Lengths				
		4m to 9m.), Burner Main and Pilot Gas Tips of SS310				
		metallurgy, Risers, Regen tile and Burner Tile				
8	IT equipments and computers	L2, L3 Switches (Make-Cisco, HP, Hitachi), IT Cartridges (Make-	2060	No.	2.30	
		HP, Samsung) and Servers (HP, DELL, CISCO)	_	ļ		
9	Lab Equipment	Glassware-aboratory apparatus like Viscometers, Distillation	5	No.	4.48	
		flasks, Pipettes, Burettes, Beakers, Separating funnels etc				
10	Distributed Control System	DCC/DLC electronic cards and commencents	4	No	9.00	
10	Analyzers (Process/stack)	DCS/PLC electronic cards and components	2	No.	8.00	
11 12	, , , , ,	Process Analyzers A horizontal boring machine with ~ 100 mm spindle diameter	1	No. Nos	1.50 6.40	
12	Horizontal Boring Machine		1	INUS	0.40	
		and maximum 1100 Nm				

Sr No	Description of item	Broad Specification Parameters	Qty	Accounting	Estimated
				Unit (Nos/Kilometers	
13	Vertical Lathe	Vertical lathe with turning diameter > 1100 mm and working	1	/Kg)	(Rs in Cr) 3.70
		height > 600 mm			
14	Vehicles	A 4 wheel drive, diesel engine, open door type, Non-AC type, Manual Gear, Non-metallic roof type.	5	Nos	0.35
15	Vehicles	A 4 wheel drive, diesel engine, close door type, Non-AC type, Manual Gear, Power steering.	4	Nos	0.40
16	Machine Monitoring system (spare probes, proximeters, monitoring system electronics, etc)	Carbon Steel Pipes/Flanges/Elbow/Fittings	600	KG	3.00
17	Booster Compressor (250-400 SCMH)	Electric Motor Driven Hydraulic Booster Compressor of min 450 or 250 SCMH flow capacity for suction pr range of 30-200 kg/cm^2 and discharge pressure of 250 Kg/cm^2	200	Nos	122.72
18	Double nozzle CBG dispenser	Double Arm CNG / CBG Dispensers with >= 15 Kg/min flow capacity	200	Nos	23.20
19	Stationary cascade (3000 WL ~300 kg)	CNG Storage Cascades of 3000/4500 Water Liter capacity at 250 bar and suitable for 20-48 degree	200	Nos	36.00
20	Gas Analyser	On line Gas Analyser for ascertaining composition of CBG at Retail Outlets	200	Nos	12.00
21	S S TANK (22/35 KL)	MS STEEL TANKS OF 22 & 35 KL	140	Nos	6.30
22	AUTOMATION	LOGING OF RECEIPT & DISCHARGE AT CONSUMER PUMP	20	Nos	1.00
23	Kettles	Application;;For Lube, Viscosity Range - 10cST-500cST, Pressure - Atmospheric & pressurized as per applicable application Heat system; Steam & Thermic Fluid Heating stirrer veins, Compliance to applicable regulatory norms and standard. IP Protecion - As per location (i.e. Mumbai, Silvassa, Chennai & Kolkata)	10	Nos	7.00
24	Filling Machine	Filling Speed - 760 - 1000 pail/hour . Application - Lube Oil (Viscosity - 10cST- 500 cST). Linear / Rotary; Sensors; Compliance to applicable regulatory norms and standard. IP Protecion - As per location (i.e. Mumbai, Silvassa, Chennai & Kolkata)	20	Nos	14.00
25	RPS-FM	Application - For Pick and place of filled bucket and containers with Robotic palletizer. Repeatability of positioning5 MM, Compliance and saftey interlocks as per applicable regulatory norms & standards. IP Protection as per location (i.e. Mumbai, Silvassa, Chennai & Kolkata)\	2	Nos	7.00
26	Pumps	Type - Twin Screw. Lube Application, Viscosity Range - 10cST-500cST, 1500lpm / pressure regulators Compliance to applicable regulatory norms and standard. IP Protecion - As per location (i.e. Mumbai, Silvassa, Chennai & Kolkata)	120	Nos	3.00
27	NAS Filtration	MOC of filtration Unit - SS, Filteration with 2micron, 4 micron & 5 micron cartridges	3	Nos	0.60
28	Drum Decanting Unit	Heating - 80 c and decanting high viscosity additives 20- 50plm	3	Nos	0.60
29	Aircraft Refueller	Design, Fabrication of Equipment under third party inspection, Testing and commissioning of Various Capacity Aircraft Refuellers, as per approved Drawings, QAP and Specifications	25	Nos	47.50
30	Bunded Tank	Design, Fabrication of Equipment under third party inspection, Testing and commissioning of 30 KL Self Bunded Tank Facility for Aviation use, as per approved Drawings, QAP and Specifications	2	Nos	2.66

Sr No	Description of item	Broad Specification Parameters	Qty	Accounting	Estimated
				Unit	Value of
				(Nos/Kilometers	Procurement
				/Kg)	(Rs in Cr)
31	Aviation Filters	Aviation Filters conforming to EI 1581 and EI 1583 latest	2066	Nos	1.29
		specification			
32	Aviation Hoses	Aviation Hose meeting EI 1529 Latest specifications	121	Nos	0.73
33	CNG Dispensers	Double Arm CNG Dispensers with >= 15 Kg/min flow capacity	130	Numbers	18.67
34	CNG Cascades	CNG Storage Cascades of 3000/4500 Water Liter capacity at	195	Numbers	54.84
		250 bar and suitable for 20-48 degree			
35	CNG Compressors-Booster	Electric Motor Driven Hydraulic Booster Compressor of min	78	Numbers	63.38
		450 or 250 SCMH flow capacity for suction pr range of 30-200			
		kg/cm^2 and discharge pressure of 250 Kg/cm^2			
36	CNG Compressors-GED	Gas Engine Driven CNG Compressors of 1200 SCMH flow	13	Numbers	24.38
		capacity			
37	CNG Compressors-EMD	Electric Motor Driven CNG Compressors of 1200 SCMH Capacity	13	Numbers	17.88
38	CNG Compressors-VIP	Variable Input Suction Pressure compressors of 600 SCMH	26	Numbers	32.50
30	CIVO COMPLESSOIS-VII	flow capacity	20	Numbers	32.30
39	SS Tubings	Seamless Stainless Steel tubings fully annealed of 3/4" and	32500	Meters	24.38
		1/2" sizes			
40	Domestic Meters	Domestic Diaphragm Natural Gas Meters G1.6 for Domestic	311400	Numbers	58.39
41	Dogulators	PNG connections	311400	Numbers	20.10
41	Regulators	Regulators for Domestic/ Commercial/ Industrial connections	311400	Numbers	29.19
42	DCU	De-Compression unit of 450 SCMH capacity with inlet pr of	10	Numbers	4.40
		250 bar and outlet pr of 4 bar			
43	DRS	District Regulatory Skid Stations of 2500 SCMH capacity	16	Numbers	6.86
44	MDPE Pipes	Medium Density PE 80/100 pipes of various sizes	4982	Kilometers	249.10
45	Carbon Steel Pipes	Carbon Steel 3LPE X52 5L pipes of various sizes	158	Kilometers	13.17
46	Additive	LZ16005/OLOA8888/ ALTERNATE	1590	MT	29.88
47	Additive	for Manufacturing of Engine Oil LZ3700D/LZ 8688/ALTERNATE	1790.25	MT	27.61
47	Additive	for Manufacturing of Engine Oil	1790.23	IVII	27.01
48	Additive	LZ3587/HITEC1272 S/ALTERNATE	125	MT	2.54
		Manufacturing of Engine Oil			
49	Additive	LZCV3103/HITEC 1272S/ALTERNATE	450	MT	6.97
		Manufacturing of Engine Oil			
50	Additive	LZ1040A/ALTERNATE	345	MT	9.86
		Manufacturing of EP grade Gear Oil			
51	Additive	LZ1040A/ALTERNATE	94.5	MT	2.70
		Manufacturing of XP grade Gear Oil			
52	Additive	OLOA22045/ALTERNATE	2570	MT	46.41
	A 1 1900	Manufacturing of 4 stroke engine oil	2000		07.70
53	Additive	LZFC7040/OLOA 22045/ALTERNATE	2030	MT	37.72
54	Additive	Manufacturing of 4 stroke engine oil LZCV7540/ALTERNATE	960	MT	19.17
]4	Additive	Manufacturing of Diesel Engine Oil	300	IVII	19.17
55	Additive	InfineumS911/ALTERNATE	214.9875	MT	6.02
		Manufacturing of 2 stroke Engine Oil			
56	Additive	LZCV2301/ALTERNATE	440	MT	6.58
	A 1.192 .	Manufacturing of Turbo Diesel Engine Oil	422.2) AT	2.50
57	Additive	OLOA59054/ALTERNATE	132.3	MT	2.59
58	Additive	Manufacturing of Multigrade Engine Oil OLOA 1255Z/ALTERNATE	11.96943733	MT	0.35
50	Additive	Manufacturing of Engine Oil	11.50545/55	livii	0.33
59	Additive	LZPV9131/ALTERNATE	125.2383841	MT	4.02
	· · · · · · · · · · · ·	Manufcturing of synthetic grade Engine Oil			
60	Additive	LZ760C/ALTERNATE	137.8384088	MT	2.51
		Manufacturing of Industial Lube Oil		1	

Sr No	Description of item	ion of item Broad Specification Parameters C		Accounting	Estimated	
				Unit	Value of	
				(Nos/Kilometers	Procurement	
				/Kg)	(Rs in Cr)	
61	Additive	Supertran i/r MONO	140.6514375	MT	3.02	
62	Additive	SA300/ALTERNATE	26.76429	MT	1.61	
-	radiave	Additive for antirust in Lube Oil	20.70123		1.01	
63	Additive	LZ677A/ALTERNATE	420	МТ	13.28	
03	Additive	· ·	420	IVII	15.20	
	A -1-11411	Additive for anti wear in lube oil LZ5703/HITEC 521/Alternate	FO 44 C00F07	NAT.	2.05	
64	Additive	,	59.41688587	MT	2.05	
		Manufacturing compressor oil				
65	Additive	LZ5047/ALTERNATE	102.7931062	MT	4.09	
		Used for manufacturing Lube Oil				
66	Additive	BA55/ALTERNATE	16.99744492	MT	1.02	
		Aditive for Corrosion inhibitor				
67	Additive	LZFC8270BX/Alternate	1000	MT	43.11	
		Manufacturing of 2 wheeler engine oil				
68	Additive	OLOA2000/Alternate	500	MT	12.53	
		Manufacturing of Rail Road Engine Oil				
69	Additive	Paratone8015/alternate	167.948235	MT	4.20	
		Manufacturing of Rail Road Engine Oil				
70	Additive	LZ5940/ALTERNATE	84	MT	2.16	
	raditive	Manufacturing of heat transmission Oil	j.,	"""	2.10	
71	Additive	LZ9990A/Alternate	190	MT	8.65	
' -	Additive	Manufacturing of Gear Oil	150	IVI I	8.03	
72	Addition	LZ5941/Alternate	12 12211205	NAT	0.53	
72	Additive	1	12.12311205	MT	0.53	
		Manufacturing of quenching Oil				
73	Additive	Hitec 5708/ALTERNATE	95	MT	1.81	
		Manufacturing of Gearoil				
74	Additive	ADCOEP52/ALTERNATE	11.57625	MT	0.75	
		Lube oil for Textile Millls				
75	Additive	RC3760/ALTERNATE	70	MT	6.36	
		Lube oil for Textile Millls				
76	Additive	OLOA 59211/Alternate	485	MT	9.47	
		Manufacturing of Engine Oil				
77	Additive	Anglamol 99,LZ 6178/Alternate	23.9628375	MT	1.06	
		Manufacturing of Gear Oil				
78	Additive	TALUMARB215, MAR501 S/Alternate	11.57625	МТ	0.52	
		Manufacturing of Marine grades.				
79	Additive	Anglamol6044BB/Alternate	11.57625	МТ	0.56	
, ,	raditive	Manufacturing of Greases	11.57025	"""	0.50	
80	Additive	Anglamol 6043/Alternate	11.57625	MT	0.51	
100	Additive	Manufacturing of Gear Oil	11.57025	IVII	0.51	
01	A -1 -1 -1	 	1410	NAT	20.67	
81	Additive	LZCV7530/Alternate	1410	MT	28.67	
		Manufacturing of Diesel Engine Oil.				
82	Additive	OLOA1255/Alternate	12.50235	MT	0.76	
		Manufacturing of Lube Oil for CNG vehicles.				
83	Base Oil	GRIII4cST	640	MT	8.00	
		Manufacturining of Synthetic Engine Oil				
84	Base Oil	GRIII6cST	33.6	MT	0.47	
		Manufacturining of Synthetic Engine Oil				
85	Base Oil	GRIII8cST	3244.5	MT	37.02	
		Manufacturining of Synthetic Engine Oil				
86	Additive	PAO10/ Alternate	23.1525	MT	0.69	
		Manufacturining of Synthetic Lube Grades.				
87	Additive	PAO 100/ Alternate	34.72875	МТ	1.20	
		Manufacturining of Synthetic Lube Grades.				
88	Additive	PAO6/ Alternate	60	MT	1.74	
"	Additive	Manufacturining of Synthetic Lube Grades.	100	1,411	/-	
90	Paca Oil / W/FUTE OU \		2065	MT	17 52	
89	Base Oil (WHITE OIL)	WHITE OIL	3065	IVII	17.53	
00	A -1 -1 tation -	For manufacturing of Lube Oil	400	D AT	6.05	
90	Additive	LZ3702/alternate	180	MT	6.95	
I		For manufacturing Gear Oil		1		

Sr No	Description of item	Broad Specification Parameters	Qty	Accounting	Estimated
				Unit (Nos/Kilometers /Kg)	Value of Procurement (Rs in Cr)
91	Additive	LZ9151/alternate	1190	MT	48.62
J1	Additive	For manufacturing Bajaj Grade Lube Oil	1130		40.02
92	Additive	RC8239/ALTERNATE	6.94575	MT	0.46
-		Manufacturing of Shock absorber Oil grades	0.5 .57 5		
93	Additive	LZ5172/Alternate	3.5	МТ	0.60
		Anti Emulsion			
94	Additive	LZ889D/Alternate	3.5	MT	0.40
		Anti Foaming			
95	Additive	HITEC 8705/ALTERNATE	150	MT	5.00
		Manufacturing of Lube Oil			
96	Additive	LZ7065CA/Paratone8910/ Hitec5835H/ OCPJ0030 and	1410	MT	33.50
		Lubimax 5835 for manufacturing of PBO			
97	Additive	LZ7067C for manufacturing of PBO Super	320	MT	13.00
98	Additive	ELCO313/ LZ 5340/LZ 5346/Addco Sw2/Hitec 561 for	15	MT	1.80
		manufacturing of Waylube Grades.			
99	Additive	Lithium Hydroxide for Manufacturing Greases	55	MT	3.50
100	Additive	PARABAR 441/BHT/DPBC	145	MT	3.44
		for Manufacturing of Lube Oil			
101	Additive	LZAT3112 and equivalent grade	155	MT	6.74
		For manufacturing of Lube Oil			
102	Microsoft Enterprise Agreement	Specialised Software services and their AMC (Microsoft	1	Lumpsum	66.78
		Enterprise Agreement)			
103	Food Grade Hexane (other hydrocarbon)	Food Grade Hexane (other hydrocarbon)	10	TMT	73.50
104	2ETHYL HEXANOIC ACID (Antistatic Additive)	2ETHYL HEXANOIC ACID (Antistatic Additive)	900	MT	12.25
105	MTO (other hydrocarbon)	Mineral Turpentine Oil (other hydrocarbon)	30	TMT	183.75
106	SPM-FLOATING HOSE	1. 24 inch First off buoy hose	2	NOS	1
		2. 24 inch Mainline Hose			
		3. 24 inch x 16 inch taper bore hose			
		4. 16 inch tail hose			
		5. 16 inch tanker rail hose			
107	SPM-MOORING HAWSER	18 inches Circumference, 55 meters Length (unstretched, In-	2	NOS	0.28
		Use), Circular Branded Nylon material, Type Single, Minimum New Wet Breaking Strength 4513 kN			
108	IT Networking equipments	Routers, VC End Points	250	No.	5.00
109	Drag Reducing Agent (DRA)	DRA is an additive used for online dosing in cross country	360	Kilo Liters (KL)	12.00
205	and headening rigeric (210 ty	pipeline for enhancing flow rate during transportation of		,	
		petroleum / refined petro products			
110	Roof hose drains	6 inch SS armored roof hose drains for crude storage tank	3	Nos	1.14
-		3			
111	Fluidized Catalytic Cracking Catalyst	Fluidized Catalytic Cracking Catalyst	2250	MT	103.50
112	Technical Consultancy for	The Consultant will advise on the critical terms ,development	0	No	0.00
	sourcing of Liquified Natural Gas	of evaluation matrix and technical / commercial evaluation of			0.00
	(LNG)	the potential opportunities for sourcing of LNG			
	(LIVO)	the potential opportunities for sourcing of Live			
113	Auto Distillation Unit	Auto Distillation Unit is used for testing of white oil /lighter	0	No	0.00
114	UVF Sulpher Analyzer	petroleum fractions (MG/ADF/SKO) UVF Sulpher Analyzer is used for Supher testing of BS VI Oil	0	No	0.00
	- 1. Gaipher / Mary Eci	samples.			
115	Inductive Coupled Plasma	For testing elements of DEF-Diesel Exhaust Fluid in Aqueous	0	No	0.00
		Media & Lube oil in organic Media			
116	Temperature programmed	Required for acidity analysis of catalysts/additives.	0	No	0.00
	desorption (TPD) with	and the second s		-	
	IUESUIDUUII (IFD) WILII				

etal Impregnation Equipment ckage Is Phase Polymerization Reactor stem ference fuels for Quality introl Equipment lso octane N-heptane 80-20(isooctane PRF blend) T fuel U fuel	It is used for impregnation of metal salts solution/slurries on support alumina for catalysts synthesis-500 KG Capacity Required for polymerization of ethylene and/or propylene to evaluate different catalyst and optimize process condition with approximately similar flow condition as in a commercial continuous gas phase reactor like a fludized bed reactor. Reference fuels for QC equipment(CFR Engine)	0 0 1. 0 2. 0 3. 0	Accounting Unit (Nos/Kilometers /Kg) Pkg No barrels	Estimated Value of Procurement (Rs in Cr) 0.00 0.00
s Phase Polymerization Reactor stem ference fuels for Quality ntrol Equipment Iso octane N-heptane 80-20(isooctane PRF blend) T fuel U fuel	support alumina for catalysts synthesis-500 KG Capacity Required for polymerization of ethylene and/or propylene to evaluate different catalyst and optimize process condition with approximately similar flow condition as in a commercial continuous gas phase reactor like a fludized bed reactor.	1. 0 2. 0	(Nos/Kilometers /Kg) Pkg	Procurement (Rs in Cr) 0.00
s Phase Polymerization Reactor stem ference fuels for Quality ntrol Equipment Iso octane N-heptane 80-20(isooctane PRF blend) T fuel U fuel	support alumina for catalysts synthesis-500 KG Capacity Required for polymerization of ethylene and/or propylene to evaluate different catalyst and optimize process condition with approximately similar flow condition as in a commercial continuous gas phase reactor like a fludized bed reactor.	1. 0 2. 0	/Kg) Pkg No	(Rs in Cr) 0.00 0.00
s Phase Polymerization Reactor stem ference fuels for Quality ntrol Equipment Iso octane N-heptane 80-20(isooctane PRF blend) T fuel U fuel	support alumina for catalysts synthesis-500 KG Capacity Required for polymerization of ethylene and/or propylene to evaluate different catalyst and optimize process condition with approximately similar flow condition as in a commercial continuous gas phase reactor like a fludized bed reactor.	1. 0 2. 0	Pkg No	0.00
s Phase Polymerization Reactor stem ference fuels for Quality ntrol Equipment Iso octane N-heptane 80-20(isooctane PRF blend) T fuel U fuel	support alumina for catalysts synthesis-500 KG Capacity Required for polymerization of ethylene and/or propylene to evaluate different catalyst and optimize process condition with approximately similar flow condition as in a commercial continuous gas phase reactor like a fludized bed reactor.	1. 0 2. 0		
ference fuels for Quality ntrol Equipment lso octane N-heptane 80-20(isooctane PRF blend) T fuel U fuel	Required for polymerization of ethylene and/or propylene to evaluate different catalyst and optimize process condition with approximately similar flow condition as in a commercial continuous gas phase reactor like a fludized bed reactor.	1. 0 2. 0		
ference fuels for Quality ntrol Equipment Iso octane N-heptane 80-20(isooctane PRF blend) T fuel U fuel	evaluate different catalyst and optimize process condition with approximately similar flow condition as in a commercial continuous gas phase reactor like a fludized bed reactor.	1. 0 2. 0		
ference fuels for Quality ntrol Equipment Iso octane N-heptane 80-20(isooctane PRF blend) T fuel U fuel	evaluate different catalyst and optimize process condition with approximately similar flow condition as in a commercial continuous gas phase reactor like a fludized bed reactor.	2. 0	barrels	0.00
ference fuels for Quality ntrol Equipment Iso octane N-heptane 80-20(isooctane PRF blend) T fuel U fuel	with approximately similar flow condition as in a commercial continuous gas phase reactor like a fludized bed reactor .	2. 0	barrels	0.00
ntrol Equipment Iso octane N-heptane 80-20(isooctane PRF blend) T fuel U fuel	continuous gas phase reactor like a fludized bed reactor .	2. 0	barrels	0.00
ntrol Equipment Iso octane N-heptane 80-20(isooctane PRF blend) T fuel U fuel		2. 0	barrels	0.00
ntrol Equipment Iso octane N-heptane 80-20(isooctane PRF blend) T fuel U fuel	Reference fuels for QC equipment(CFR Engine)	2. 0	barrels	0.00
ntrol Equipment Iso octane N-heptane 80-20(isooctane PRF blend) T fuel U fuel				
Iso octane N-heptane 80-20(isooctane PRF blend) T fuel U fuel				
N-heptane 80-20(isooctane PRF blend) T fuel U fuel		1		ı
80-20(isooctane PRF blend) T fuel U fuel		4. 0		
T fuel U fuel		5. 0		
U fuel		6. 0		
	I	0.0		
TEL isooctane blend				
Combustion Promoter	Specialized Additives & Chemicals to improve yield	0	MT	0.00
	optimization , maintain product specifications and ensure			
	corrosion inhibition in process Units			
ti-static additive for ATF	for conductivity improvement in ATF	2604	kgs	1.34
ocurement of	Fabrication, Assembly, Testing, Supply and commissioning of	0	Nos	0
0/150 MT Crane	brand new Rough Terrain; Telescopic; Hydraulic; Diesel			
	driven; Multiaxle; tyre mounted; 360 degrees continuous			
	slewing mobile Crane of			
	140/150 Metric Ton Capacity.			
HT Catalyst	Catalyst for NHT Reactor (72-R-01)	13000 (19.4)	kg (m3)	2.46
bo Test Rig-FZG	As per ASTM/DIN standard	1	no.	4.66
erox catalyst	Merox Impregnated Catalyst	1		0
drotreating Catalyst (VGO &	Hydrotreating catalyst for Diesel & VGO	527.6	m3	88.3
esel))				
zymes		845	GigaBHU	42
	cellulose to simple sugar for further conversion to Ethanol			
	through fermentation, required for 2G Bio-Ethanol Refinery			
	at Bhatinda.			
TM Proficiency Testing for Labs	ASTM Proficiency Testing for Labs - HPCL R&D	4	Each	2.00
ļ				
	ASTM Proficiency Testing for Labs - HPCL Visakh Refinery	1	Each	0.05
oc O/	-static additive for ATF curement of /150 MT Crane Catalyst o Test Rig-FZG ox catalyst rotreating Catalyst (VGO & sel)) //mes	optimization , maintain product specifications and ensure corrosion inhibition in process Units -static additive for ATF for conductivity improvement in ATF Fabrication, Assembly, Testing, Supply and commissioning of brand new Rough Terrain; Telescopic; Hydraulic; Diesel driven; Multiaxle; tyre mounted; 360 degrees continuous slewing mobile Crane of 140/150 Metric Ton Capacity. Catalyst O Test Rig-FZG Ox catalyst Merox Impregnated Catalyst rotreating Catalyst (VGO & Hydraulic; Diesel driven; Multiaxle; tyre mounted; 360 degrees continuous slewing mobile Crane of 140/150 Metric Ton Capacity. Catalyst O Test Rig-FZG As per ASTM/DIN standard Ox catalyst Merox Impregnated Catalyst Hydrotreating catalyst for Diesel & VGO Cellulosic Enzyme (bio-catalyst) required for conversion of cellulose to simple sugar for further conversion to Ethanol through fermentation, required for 2G Bio-Ethanol Refinery at Bhatinda.	optimization , maintain product specifications and ensure corrosion inhibition in process Units -static additive for ATF for conductivity improvement in ATF	optimization , maintain product specifications and ensure corrosion inhibition in process Units -static additive for ATF for conductivity improvement in ATF

 $We b site\ link-\ https://www.hindustanpetroleum.com/images/pdf/5 years Plan.pdf$

Ministry Department- Ministry of Petroleum and Natural Gas

Sr No	Description of item	Broad Specification Parameters	Qty	Accounting Unit	Estimated Value of
3	Description of item		ις,,		Procurement (Rs in
				Kg)	Cr)
				1.6,	,
1	Additive	LZ16005/OLOA8888/ ALTERNATE	1670	MT	31.37
		for Manufacturing of Engine Oil			
2	Additive	LZ3700D/LZ 8688/ALTERNATE	1880	MT	28.99
		for Manufacturing of Engine Oil			
3	Additive	LZ3587/HITEC1272 S/ALTERNATE	130	MT	2.67
		Manufacturing of Engine Oil			
4	Additive	LZCV3103/HITEC 1272S/ALTERNATE	470	MT	7.32
		Manufacturing of Engine Oil			
5	Additive	LZ1040A/ALTERNATE	360	MT	10.35
		Manufacturing of EP grade Gear Oil			
6	Additive	LZ1040A/ALTERNATE	100	MT	2.83
		Manufacturing of XP grade Gear Oil			
7	Additive	OLOA22045/ALTERNATE	2700	MT	48.73
		Manufacturing of 4 stroke engine oil			
8	Additive	LZFC7040/OLOA 22045/ALTERNATE	2130	MT	39.61
		Manufacturing of 4 stroke engine oil			
9	Additive	LZCV7540/ALTERNATE	1008	MT	20.13
		Manufacturing of Diesel Engine Oil			
10	Additive	InfineumS911/ALTERNATE	225	MT	6.32
		Manufacturing of 2 stroke Engine Oil			
11	Additive	LZCV2301/ALTERNATE	460	MT	6.91
		Manufacturing of Turbo Diesel Engine Oil			
12	Additive	OLOA59054/ALTERNATE	140	MT	2.72
		Manufacturing of Multigrade Engine Oil			
13	Additive	OLOA 1255Z/ALTERNATE	13	MT	0.36
		Manufacturing of Engine Oil			
14	Additive	LZPV9131/ALTERNATE	132	MT	4.22
		Manufcturing of synthetic grade Engine Oil			
15	Additive	LZ760C/ALTERNATE	145	MT	2.63
		Manufacturing of Industial Lube Oil			
16	Additive	Supertran i/r MONO	148	MT	3.18
17	Additive	SA300/ALTERNATE	28	MT	1.69
	7.00.000	Additive for antirust in Lube Oil	20		1.03
18	Additive	LZ677A/ALTERNATE	440	MT	13.95
		Additive for anti wear in lube oil	1		13.33
19	Additive	LZ5703/HITEC 521/Alternate	62	MT	2.15
	7.00.070	Manufacturing compressor oil			2.13
20	Additive	LZ5047/ALTERNATE	108	МТ	4.30
	raditive	Used for manufacturing Lube Oil	100		7.50
21	Additive	BA55/ALTERNATE	18	МТ	1.07
	raditive	Aditive for Corrosion inhibitor	10		1.07
22	Additive	LZFC8270BX/Alternate	1050	МТ	45.26
	, water c	Manufacturing of 2 wheeler engine oil	1.030	1	75.20
23	Additive	OLOA2000/Alternate	525	MT	13.16
	, waitive	Manufacturing of Rail Road Engine Oil	1525	livi i	13.10
24	Additive	Paratone8015/alternate	176	MT	4.41
47	Additive	Manufacturing of Rail Road Engine Oil	1,,,	livi i	7.71
25	Additive	LZ5940/ALTERNATE	88	MT	2.27
23	Additive	Manufacturing of heat transmission Oil	00	IIVI I	L.21

Sr No	Description of item	Broad Specification Parameters	Qty		Estimated Value of Procurement (Rs in Cr)
26	Additive	LZ9990A/Alternate Manufacturing of Gear Oil	200	MT	9.08
27	Additive	LZ5941/Alternate Manufacturing of quenching Oil	13	MT	0.56
28	Additive	Hitec 5708/ALTERNATE Manufacturing of Gearoil	100	MT	1.90
29	Additive	ADCOEP52/ALTERNATE Lube oil for Textile Mills	12	MT	0.79
30	Additive	RC3760/ALTERNATE Lube oil for Textile Mills	74	MT	6.68
31	Additive	OLOA 59211/Alternate Manufacturing of Engine Oil	510	MT	9.94
32	Additive	Anglamol 99,LZ 6178/Alternate Manufacturing of Gear Oil	25	MT	1.11
33	Additive	TALUMARB215, MAR501 S/Alternate Manufacturing of Marine grades.	12	MT	0.55
34	Additive	Anglamol6044BB/Alternate Manufacturing of Greases	12	MT	0.58
35	Additive	Anglamol 6043/Alternate Manufacturing of Gear Oil	12	MT	0.53
36	Additive	LZCV7530/Alternate Manufacturing of Diesel Engine Oil.	1480	MT	30.10
37	Additive	OLOA1255/Alternate Manufacturing of Lube Oil for CNG vehicles.	13	MT	0.80
38	Base Oil	GRIII4cST Manufacturining of Synthetic Engine Oil	672	MT	8.40
39	Base Oil	GRIII6cST Manufacturining of Synthetic Engine Oil	35	MT	0.50
40	Base Oil	GRIII8cST Manufacturining of Synthetic Engine Oil	3405	MT	38.87
41	Additive	PAO10/ Alternate Manufacturining of Synthetic Lube Grades.	24	MT	0.73
42	Additive	PAO 100/ Alternate Manufacturining of Synthetic Lube Grades.	36	MT	1.26
43	Additive	PAO6/ Alternate Manufacturining of Synthetic Lube Grades.	63	MT	1.82
44	Base Oil (WHITE OIL)	WHITE OIL For manufacturing of Lube Oil	3220	MT	18.40
45	Additive	LZ3702/alternate For manufacturing Gear Oil	190	MT	7.29
46	Additive	LZ9151/alternate For manufacturing Bajaj Grade Lube Oil	1250	MT	51.05
47	Additive	RC8239/ALTERNATE Manufacturing of Shock absorber Oil grades	7	MT	0.49
48	Additive	LZ5172/Alternate Anti Emulsion	4	MT	0.63
49	Additive	LZ889D/Alternate Anti Foaming	4	MT	0.42
50	Additive	HITEC 8705/ALTERNATE Manufacturing of Lube Oil	165.0	MT	5.50
51	Additive	LZ7065CA/Paratone8910/ Hitec5835H/ OCPJ0030 and Lubimax 5835 for manufacturing of PBO	1440	МТ	35.00
52	Additive	LZ7067C for manufacturing of PBO Super	335	MT	15.00
53	Additive	ELCO313/ LZ 5340/LZ 5346/Addco Sw2/Hitec 561 for manufacturing of Waylube Grades.	16	MT	2.10
54	Additive	Lithium Hydroxide for Manufacturing Greases	60	MT	4.00

Sr No	Description of item	Broad Specification Parameters	Qty	Accounting Unit (Nos/Kilometers/ Kg)	Estimated Value of Procurement (Rs in Cr)
55	Additive	PARABAR 441/BHT/DPBC for Manufacturing of Lube Oil	150	MT	3.56
56	Additive	LZAT3112 and equivalent grade For manufacturing of Lube Oil	160	MT	6.96
57	IT Networking equipments	L2 / L3 Switches, Routers, Wireless AP's, Wireless Controller, IP Phones, VC End Points	1500	No.	11.00
58	Food Grade Hexane (other hydrocarbon)	Food Grade Hexane (other hydrocarbon)	10	TMT	78.60
59	2ETHYL HEXANOIC ACID (Antistatic Additive)	2ETHYL HEXANOIC ACID (Antistatic Additive)	900	MT	13.10
60	MTO (other hydrocarbon)	Mineral Turpentine Oil (other hydrocarbon)	30	TMT	196.61
61	Off gas drier adsorbent in Naptha Isomarization Unit (NIU)	14.3 m3 of Off-gas drier adsorbents and 0.83 m3 of Inert balls used in C5/C6 Naphtha Isomerisation unit Off Gas Dryer vessels to remove moisture from scrubber off-gases to prevent condensation in downstream LPG recovery section.	15.13	CUBIC METER	0.40
62	SPM-FLOATING HOSE	1. 24 inch First off buoy hose 2. 24 inch Mainline Hose 3. 24 inch x 16 inch taper bore hose 4. 16 inch tail hose 5. 16 inch tapker rail hose	11	NOS	4.28
63	SPM-MOORING HAWSER	18 inches Circumference, 55 meters Length (unstretched, In-Use), Circular Branded Nylon material, Type Single, Minimum New Wet Breaking Strength 4513 kN	2	NOS	0.28
64	IT Networking equipments	L2 / L3 Switches, Routers, Wireless AP's, Wireless Controller, IP Phones, VC End Points	1500	No.	11.00
65	Drag Reducing Agent (DRA)	DRA is an additive used for online dosing in cross country pipeline for enhancing flow rate during transportation of petroleum / refined petro products	360	Kilo Liters (KL)	12.00
66	Roof hose drains	6 inch SS armored roof hose drains for crude storage tank	6	Nos	2.52
67	Fluidized Catalytic Cracking Catalyst	Fluidized Catalytic Cracking Catalyst	2250	MT	108.00
68	Technical Consultancy for sourcing of Liquified Natural Gas (LNG)	The Consultant will advise on the critical terms , development of evaluation matrix and technical / commercial evaluation of the potential opportunities for sourcing of LNG	0	No	0.00
69	Auto Distillation Unit	Auto Distillation Unit is used for testing of white oil /lighter petroleum fractions (MG/ADF/SKO)	0	No	0.00
70	UVF Sulpher Analyzer	UVF Sulpher Analyzer is used for Supher testing of BS VI Oil samples.	0	No	0.00
71	Inductive Coupled Plasma	For testing elements of DEF-Diesel Exhaust Fluid in Aqueous Media & Lube oil in organic Media	0	No	0.00
72	Temperature programmed desorption (TPD) with massspectrometer	Required for acidity analysis of catalysts/additives.	0	No	0.00
73	Metal Impregnation Equipment Package	It is used for impregnation of metal salts solution/slurries on support alumina for catalysts synthesis-500 KG Capacity	0	Pkg	0.00
74	Gas Phase Polymerization Reactor System	Required for polymerization of ethylene and/or propylene to evaluate different catalyst and optimize process condition with approximately similar flow condition as in a commercial continuous gas phase reactor like a fludized bed reactor.	0	No	0.00

Sr No	Description of item	Broad Specification Parameters	Qty	Accounting Unit (Nos/Kilometers/ Kg)	Cr)
75	Reference fuels for Quality Control Equipment 1. Iso octane 2. N-heptane 3. 80-20(isooctane PRF blend) 4. T fuel 5. U fuel 6. TEL isooctane blend	Reference fuels for QC equipment(CFR Engine)	1. 0 2. 0 3. 0 4. 0 5. 0 6. 0	barrels	0
76	CO Combustion Promoter	Specialized Additives & Chemicals to improve yield optimization , maintain product specifications and ensure corrosion inhibition in process Units	0	MT	0.00
77	Anti-static additive for ATF	for conductivity improvement in ATF	2604	kgs	1.34
78	Procurement of 140/150 MT Crane	Fabrication, Assembly, Testing, Supply and commissioning of brand new Rough Terrain; Telescopic; Hydraulic; Diesel driven; Multiaxle; tyre mounted; 360 degrees continuous slewing mobile Crane of 140/150 Metric Ton Capacity.	0	Nos	0
79	NHT Catalyst	ISOM NHT Catalyst NHT Product S < 0.5 Wppm NHT Product N < 0.1 Wppm	4800(6.2)	kg (m3)	1.09
80	Tribo Test Rig-FZG	Nil	Nil	Nil	Nil
81	Merox catalyst	Merox Impregnated Catalyst	15.5	MT	1.67
82	Hydrotreating Catalyst (VGO & Diesel))	Nil	Nil	Nil	Nil
83	Enzymes	Cellulosic Enzyme (bio-catalyst) required for conversion of cellulose to simple sugar for further conversion to Ethanol through fermentation, required for 2G Bio-Ethanol Refinery at Bhatinda.	1691	GigaBHU	21
84	ASTM Proficiency Testing for Labs	ASTM Proficiency Testing for Labs - HPCL R&D	1	Each	0.50
		ASTM Proficiency Testing for Labs - HPCL Visakh Refinery	1	Each	0.05

 $We b site\ link-\ https://www.hindustanpetroleum.com/images/pdf/5 years Plan.pdf$

Ministry Department- Ministry of Petroleum and Natural Gas

Financial Year : 2026-27

Sr No	Description of item	Broad Specification Parameters	Qty	Accounting Unit (Nos/Kilometers/Kg)	Estimated Value of Procurement (Rs in Cr)
4	A delition	1745005 /OLO A0000 / ALTERNATE	4750	D 4.T	22.04
1	Additive	LZ16005/OLOA8888/ ALTERNATE	1750	MT	32.94
2	Additive	for Manufacturing of Engine Oil	1072	NAT.	20.44
2	Additive	LZ3700D/LZ 8688/ALTERNATE	1972	MT	30.44
3	Additive	for Manufacturing of Engine Oil LZ3587/HITEC1272 S/ALTERNATE	136	MT	2.81
3	Additive	Manufacturing of Engine Oil	136	IVII	2.81
4	Additive	LZCV3103/HITEC 1272S/ALTERNATE	493	MT	7.68
7	Additive	Manufacturing of Engine Oil	493	IVII	7.00
5	Additive	LZ1040A/ALTERNATE	377	MT	10.87
5	Additive	Manufacturing of EP grade Gear Oil	3//	IVII	10.67
6	Additive	LZ1040A/ALTERNATE	106	MT	2.98
U	Additive	Manufacturing of XP grade Gear Oil	100	IVII	2.90
7	Additive	OLOA22045/ALTERNATE	2833	MT	51.16
,	Additive	Manufacturing of 4 stroke engine oil	2033	IVII	31.10
8	Additive	LZFC7040/OLOA 22045/ALTERNATE	2234	MT	41.59
0	Additive	Manufacturing of 4 stroke engine oil	2234	IVII	41.59
9	Additive	LZCV7540/ALTERNATE	1054	MT	21.13
9	Additive	Manufacturing of Diesel Engine Oil	1054	IVII	21.13
10	Additive	InfineumS911/ALTERNATE	236	MT	6.63
10	Additive	Manufacturing of 2 stroke Engine Oil	230	IVII	0.03
11	Additive	LZCV2301/ALTERNATE	483	MT	7.26
	Additive	Manufacturing of Turbo Diesel Engine Oil	1705	1411	7.20
12	Additive	OLOA59054/ALTERNATE	147	MT	2.86
12	Additive	Manufacturing of Multigrade Engine Oil	1 7 /	1411	2.00
13	Additive	OLOA 1255Z/ALTERNATE	13	MT	0.38
10	raditive	Manufacturing of Engine Oil	13	1411	0.50
14	Additive	LZPV9131/ALTERNATE	138	MT	4.43
	7.44.6.70	Manufcturing of synthetic grade Engine Oil	150		1.43
15	Additive	LZ760C/ALTERNATE	152	MT	2.77
	7.00.070	Manufacturing of Industial Lube Oil	132		
16	Additive	Supertran i/r MONO	155	MT	3.33
17	Additive	SA300/ALTERNATE	30	MT	1.77
		Additive for antirust in Lube Oil			
18	Additive	LZ677A/ALTERNATE	465	MT	14.64
_		Additive for anti wear in lube oil	1.00		
19	Additive	LZ5703/HITEC 521/Alternate	66	MT	2.26
		Manufacturing compressor oil			
20	Additive	LZ5047/ALTERNATE	113	MT	4.51
-		Used for manufacturing Lube Oil			
21	Additive	BA55/ALTERNATE	19	MT	1.12
		Aditive for Corrosion inhibitor			
22	Additive	LZFC8270BX/Alternate	1100	MT	47.53
		Manufacturing of 2 wheeler engine oil			
23	Additive	OLOA2000/Alternate	548	MT	13.82
		Manufacturing of Rail Road Engine Oil	-		
24	Additive	Paratone8015/alternate	185	MT	4.63
		Manufacturing of Rail Road Engine Oil		1	
25	Additive	LZ5940/ALTERNATE	97	MT	2.38
		Manufacturing of heat transmission Oil			

Sr No	Description of item	Broad Specification Parameters	Qty	Accounting Unit (Nos/Kilometers/ Kg)	Estimated Value of Procurement (Rs in Cr)
26	Additive	LZ9990A/Alternate Manufacturing of Gear Oil	211	MT	9.53
27	Additive	LZ5941/Alternate Manufacturing of quenching Oil	13	MT	0.59
28	Additive	Hitec 5708/ALTERNATE Manufacturing of Gearoil	105	MT	1.99
29	Additive	ADCOEP52/ALTERNATE Lube oil for Textile Mills	13	MT	0.83
30	Additive	RC3760/ALTERNATE Lube oil for Textile Mills	77	MT	7.01
31	Additive	OLOA 59211/Alternate Manufacturing of Engine Oil	533	MT	10.44
32	Additive	Anglamol 99,LZ 6178/Alternate Manufacturing of Gear Oil	26	MT	1.17
33	Additive	TALUMARB215, MAR501 S/Alternate Manufacturing of Marine grades.	13	MT	0.57
34	Additive	Anglamol6044BB/Alternate Manufacturing of Greases	13	MT	0.61
35	Additive	Anglamol 6043/Alternate Manufacturing of Gear Oil	13	MT	0.56
36	Additive	LZCV7530/Alternate Manufacturing of Diesel Engine Oil.	1554	MT	31.61
37	Additive	OLOA1255/Alternate Manufacturing of Lube Oil for CNG vehicles.	14	MT	0.84
38	Base Oil	GRIII4cST Manufacturining of Synthetic Engine Oil	707	MT	8.82
39	Base Oil	GRIII6cST Manufacturining of Synthetic Engine Oil	38	MT	0.52
40	Base Oil	GRIII8cST Manufacturining of Synthetic Engine Oil	3573	MT	40.82
41	Additive	PAO10/ Alternate Manufacturining of Synthetic Lube Grades.	26	MT	0.77
42	Additive	PAO 100/ Alternate Manufacturining of Synthetic Lube Grades.	38	MT	1.32
43	Additive	PAO6/ Alternate Manufacturining of Synthetic Lube Grades.	66	MT	1.91
44	Base Oil (WHITE OIL)	WHITE OIL For manufacturing of Lube Oil	3376	MT	19.32
45	Additive	LZ3702/alternate For manufacturing Gear Oil	200	MT	7.66
46	Additive	LZ9151/alternate For manufacturing Bajaj Grade Lube Oil	1307	MT	53.60
47	Additive	RC8239/ALTERNATE Manufacturing of Shock absorber Oil grades	8	MT	0.51
48	Additive	LZ5172/Alternate Anti Emulsion	5	MT	0.66
49	Additive	LZ889D/Alternate Anti Foaming	5	MT	0.44
50	Additive	HITEC 8705/ALTERNATE Manufacturing of Lube Oil	178	MT	6.05
51	Additive	LZ7065CA/Paratone8910/ Hitec5835H/ OCPJ0030 and Lubimax 5835 for manufacturing of PBO	1461	МТ	36.57
52	Additive	LZ7067C for manufacturing of PBO Super	353	MT	17.31
53	Additive	ELCO313/ LZ 5340/LZ 5346/Addco Sw2/Hitec 561 for manufacturing of Waylube Grades.	17	MT	2.45
54	Additive	Lithium Hydroxide for Manufacturing Greases	62	MT	4.57

Sr No	Description of item	Broad Specification Parameters	Qty	Accounting Unit (Nos/Kilometers/ Kg)	Estimated Value of Procurement (Rs in Cr)
55	Additive	PARABAR 441/BHT/DPBC for Manufacturing of Lube Oil	156	MT	3.68
56	Additive	LZAT3112 and equivalent grade For manufacturing of Lube Oil	166	MT	7.19
57	IT Networking equipments	L2 / L3 Switches, Routers, Wireless AP's, Wireless Controller, IP Phones, VC End Points	1500	No.	11.00
58	Food Grade Hexane (other hydrocarbon)	Food Grade Hexane (other hydrocarbon)	10	TMT	78.60
59	2ETHYL HEXANOIC ACID (Antistatic Additive)	2ETHYL HEXANOIC ACID (Antistatic Additive)	900	MT	13.10
60	MTO (other hydrocarbon)	Mineral Turpentine Oil (other hydrocarbon)	30	TMT	196.61
61	Off gas drier adsorbent in Naptha Isomarization Unit (NIU)	14.3 m3 of Off-gas drier adsorbents and 0.83 m3 of Inert balls used in C5/C6 Naphtha Isomerisation unit Off Gas Dryer vessels to remove moisture from scrubber off-gases to prevent condensation in downstream LPG recovery section.	15.13	CUBIC METER	0.40
62	SPM-FLOATING HOSE	 24 inch First off buoy hose 24 inch Mainline Hose 24 inch x 16 inch taper bore hose 16 inch tail hose 16 inch tanker rail hose 	11	NOS	4.28
63	SPM-MOORING HAWSER	18 inches Circumference, 55 meters Length (unstretched, In-Use), Circular Branded Nylon material, Type Single, Minimum New Wet Breaking Strength 4513 kN	2	NOS	0.28
64	IT Networking equipments	L2 / L3 Switches, Routers, Wireless AP's, Wireless Controller, IP Phones, VC End Points	1500	No.	11.00
65	Drag Reducing Agent (DRA)	DRA is an additive used for online dosing in cross country pipeline for enhancing flow rate during transportation of petroleum / refined petro products	360	Kilo Liters (KL)	12.00
66	Roof hose drains	6 inch SS armored roof hose drains for crude storage tank	3	Nos	1.39
67	Fluidized Catalytic Cracking Catalyst	Fluidized Catalytic Cracking Catalyst	2250	MT	115.20
68	Technical Consultancy for sourcing of Liquified Natural Gas (LNG)	The Consultant will advise on the critical terms , development of evaluation matrix and technical / commercial evaluation of the potential opportunities for sourcing of LNG	0	No	0.00
69	Auto Distillation Unit	Auto Distillation Unit is used for testing of white oil /lighter petroleum fractions (MG/ADF/SKO)	0	No	0.00
70	UVF Sulpher Analyzer	UVF Sulpher Analyzer is used for Supher testing of BS VI Oil samples.	0	No	0.00
71	Inductive Coupled Plasma	For testing elements of DEF-Diesel Exhaust Fluid in Aqueous Media & Lube oil in organic Media	0	No	0.00
72	Temperature programmed desorption (TPD) with massspectrometer	Required for acidity analysis of catalysts/additives.		No	0.00
73	Metal Impregnation Equipment Package	It is used for impregnation of metal salts solution/slurries on support alumina for catalysts synthesis-500 KG Capacity	0	Pkg	0.00

Sr No	Description of item	Broad Specification Parameters	Qty	Accounting Unit (Nos/Kilometers/ Kg)	Estimated Value of Procurement (Rs in Cr)
74	Gas Phase Polymerization Reactor System	Required for polymerization of ethylene and/or propylene to evaluate different catalyst and optimize process condition with approximately similar flow condition as in a commercial continuous gas phase reactor like a fludized bed reactor.	0	No	0.00
75	Reference fuels for Quality Control Equipment 1. Iso octane 2. N-heptane 3. 80-20(isooctane PRF blend) 4. T fuel 5. U fuel 6. TEL isooctane blend	Reference fuels for QC equipment(CFR Engine)	1. 0 2. 0 3. 0 4. 0 5. 0 6. 0	barrels	0.00
76	CO Combustion Promoter	Specialized Additives & Chemicals to improve yield optimization , maintain product specifications and ensure corrosion inhibition in process Units	3	MT	1.029
77	Anti-static additive for ATF	for conductivity improvement in ATF	2604	kgs	1.34
78	Procurement of 140/150 MT Crane	Fabrication, Assembly, Testing, Supply and commissioning of brand new Rough Terrain; Telescopic; Hydraulic; Diesel driven; Multiaxle; tyre mounted; 360 degrees continuous slewing mobile Crane of 140/150 Metric Ton Capacity.	0	Nos	0
79	NHT Catalyst	CCR NHT Catalyst NHT Product S < 0.5 Wppm NHT Product N < 0.5Wppm	6700 (9.2)	kg (m3)	1.78
80	Tribo Test Rig-FZG	Nil	Nil	Nil	Nil
81	Merox catalyst	Merox Impregnated Catalyst	0	MT	0
82	Hydrotreating Catalyst (VGO & Diesel))	Nil	Nil	Nil	Nil
83	Enzymes	Cellulosic Enzyme (bio-catalyst) required for conversion of cellulose to simple sugar for further conversion to Ethanol through fermentation, required for 2G Bio-Ethanol Refinery at Bhatinda.	1691	GigaBHU	21
84	ASTM Proficiency Testing for Labs	ASTM Proficiency Testing for Labs - HPCL R&D	1	Each	0.50
		ASTM Proficiency Testing for Labs - HPCL Visakh Refinery	1	Each	0.05

Website link- https://www.hindustanpetroleum.com/images/pdf/5yearsPlan.pdf

Ministry Department- Ministry of Petroleum and Natural Gas

Financial Year: 2027-28

Sr No	Description of item	Broad Specification Parameters	Qty	Accounting Unit	Estimated Value of
					Procurement (Rs in
				Kg)	Cr)
1	Additive	LZ16005/OLOA8888/ ALTERNATE	1835	MT	34.59
		for Manufacturing of Engine Oil			
2	Additive	LZ3700D/LZ 8688/ALTERNATE	2069	MT	31.96
		for Manufacturing of Engine Oil			
3	Additive	LZ3587/HITEC1272 S/ALTERNATE	142	MT	2.95
		Manufacturing of Engine Oil			
4	Additive	LZCV3103/HITEC 1272S/ALTERNATE	516	MT	8.07
		Manufacturing of Engine Oil			
5	Additive	LZ1040A/ALTERNATE	395	MT	11.41
		Manufacturing of EP grade Gear Oil			
6	Additive	LZ1040A/ALTERNATE	112	MT	3.12
		Manufacturing of XP grade Gear Oil			
7	Additive	OLOA22045/ALTERNATE	2973	MT	53.72
		Manufacturing of 4 stroke engine oil			
8	Additive	LZFC7040/OLOA 22045/ALTERNATE	2343	MT	43.67
		Manufacturing of 4 stroke engine oil			
9	Additive	LZCV7540/ALTERNATE	1102	MT	22.19
10	A I I'm	Manufacturing of Diesel Engine Oil	2.10	. AT	
10	Additive	InfineumS911/ALTERNATE	248	MT	6.96
11	Additive	Manufacturing of 2 stroke Engine Oil	507	MT	7.62
11	Additive	LZCV2301/ALTERNATE	507	IVII	7.62
12	Additive	Manufacturing of Turbo Diesel Engine Oil OLOA59054/ALTERNATE	154	MT	2.00
12	Additive	•	154	IVII	3.00
13	Additive	Manufacturing of Multigrade Engine Oil OLOA 1255Z/ALTERNATE	14	MT	0.40
13	Additive	Manufacturing of Engine Oil	14	IVII	0.40
14	Additive	LZPV9131/ALTERNATE	145	MT	4.65
14	Additive	Manufcturing of synthetic grade Engine Oil	143	IVII	4.03
15	Additive	LZ760C/ALTERNATE	160	MT	2.90
13	raditive	Manufacturing of Industial Lube Oil	100	IVII	2.50
16	Additive	Supertran i/r MONO	163	MT	3.50
17	Additive	SA300/ALTERNATE	31	MT	1.86
	, tautité	Additive for antirust in Lube Oil			1.00
18	Additive	LZ677A/ALTERNATE	491	MT	15.38
		Additive for anti wear in lube oil	1.51		13.33
19	Additive	LZ5703/HITEC 521/Alternate	69	MT	2.37
		Manufacturing compressor oil			
20	Additive	LZ5047/ALTERNATE	119	MT	4.74
		Used for manufacturing Lube Oil			
21	Additive	BA55/ALTERNATE	20	MT	1.18
		Aditive for Corrosion inhibitor			
22	Additive	LZFC8270BX/Alternate	1151	MT	49.90
		Manufacturing of 2 wheeler engine oil			
23	Additive	OLOA2000/Alternate	573	MT	14.51
		Manufacturing of Rail Road Engine Oil			
24	Additive	Paratone8015/alternate	194	MT	4.86
		Manufacturing of Rail Road Engine Oil			
25	Additive	LZ5940/ALTERNATE	106	MT	2.50
		Manufacturing of heat transmission Oil			
26	Additive	LZ9990A/Alternate	223	MT	10.01
		Manufacturing of Gear Oil			
27	Additive	LZ5941/Alternate	14	MT	0.62
		Manufacturing of quenching Oil			1

Sr No	Description of item	Broad Specification Parameters	Qty	Accounting Unit (Nos/Kilometers/ Kg)	Estimated Value of Procurement (Rs in Cr)
28	Additive	Hitec 5708/ALTERNATE Manufacturing of Gearoil	110	MT	2.09
29	Additive	ADCOEP52/ALTERNATE Lube oil for Textile Millls	13	MT	0.87
30	Additive	RC3760/ALTERNATE Lube oil for Textile Millls	81	MT	7.36
31	Additive	OLOA 59211/Alternate Manufacturing of Engine Oil	556	MT	10.96
32	Additive	Anglamol 99,LZ 6178/Alternate Manufacturing of Gear Oil	28	MT	1.23
33	Additive	TALUMARB215, MAR501 S/Alternate Manufacturing of Marine grades.	13	MT	0.60
34	Additive	Anglamol6044BB/Alternate Manufacturing of Greases	13	MT	0.64
35	Additive	Anglamol 6043/Alternate Manufacturing of Gear Oil	13	MT	0.59
36	Additive	LZCV7530/Alternate Manufacturing of Diesel Engine Oil.	1632	MT	33.19
37	Additive Base Oil	OLOA1255/Alternate Manufacturing of Lube Oil for CNG vehicles.	14	MT	0.88
38		GRIII4cST Manufacturining of Synthetic Engine Oil	743	MT	9.26
39 40	Base Oil	GRIII6cST Manufacturining of Synthetic Engine Oil GRIII8cST	3749	MT MT	0.55 42.86
41	Additive	Manufacturining of Synthetic Engine Oil PAO10/ Alternate	27	MT	0.80
42	Additive	Manufacturining of Synthetic Lube Grades. PAO 100/ Alternate	40	MT	1.38
43	Additive	Manufacturining of Synthetic Lube Grades. PAO6/ Alternate	69	MT	2.01
44	Base Oil (WHITE OIL)	Manufacturining of Synthetic Lube Grades. WHITE OIL	3540	MT	20.29
45	Additive	For manufacturing of Lube Oil LZ3702/alternate	209	MT	8.04
46	Additive	For manufacturing Gear Oil LZ9151/alternate	1368	MT	56.28
47	Additive	For manufacturing Bajaj Grade Lube Oil RC8239/ALTERNATE	8	MT	0.54
48	Additive	Manufacturing of Shock absorber Oil grades LZ5172/Alternate	6	MT	0.69
49	Additive	Anti Emulsion LZ889D/Alternate	6	MT	0.46
50	Additive	Anti Foaming HITEC 8705/ALTERNATE	191	MT	6.66
51	Additive	Manufacturing of Lube Oil LZ7065CA/Paratone8910/ Hitec5835H/ OCPJ0030	1483	MT	38.20
- =		and Lubimax 5835 for manufacturing of PBO			33.20
52	Additive	LZ7067C for manufacturing of PBO Super	372	MT	19.97
53	Additive	ELCO313/ LZ 5340/LZ 5346/Addco Sw2/Hitec 561 for manufacturing of Waylube Grades.	19	MT	2.86
54	Additive	Lithium Hydroxide for Manufacturing Greases	62	MT	5.22
55	Additive	PARABAR 441/BHT/DPBC for Manufacturing of Lube Oil	161	MT	3.81
56	Additive	LZAT3112 and equivalent grade For manufacturing of Lube Oil	171	MT	7.42
57	IT Networking equipments	L2 / L3 Switches, Routers, Wireless AP's, Wireless Controller, IP Phones, VC End Points	1500	No.	11.00
58	Food Grade Hexane (other hydrocarbon)	Food Grade Hexane (other hydrocarbon)	10	ТМТ	78.60

Sr No	Description of item	Broad Specification Parameters	Qty	Accounting Unit (Nos/Kilometers/ Kg)	Estimated Value of Procurement (Rs in Cr)
59	2ETHYL HEXANOIC ACID (Antistatic Additive)	2ETHYL HEXANOIC ACID (Antistatic Additive)	900	MT	13.10
60	MTO (other hydrocarbon)	Mineral Turpentine Oil (other hydrocarbon)	30	TMT	196.61
61	Off gas drier adsorbent in Naptha Isomarization Unit (NIU)	14.3 m3 of Off-gas drier adsorbents and 0.83 m3 of Inert balls used in C5/C6 Naphtha Isomerisation unit Off Gas Dryer vessels to remove moisture from scrubber off-gases to	15.13	CUBIC METER	0.40
62	SPM-FLOATING HOSE	 24 inch First off buoy hose 24 inch Mainline Hose 24 inch x 16 inch taper bore hose 16 inch tail hose 16 inch tanker rail hose 	11	NOS	4.28
63	SPM-MOORING HAWSER	18 inches Circumference, 55 meters Length (unstretched, In-Use), Circular Branded Nylon material, Type Single, Minimum New Wet Breaking Strength 4513 kN	2	NOS	0.28
64	IT Networking equipments	L2 / L3 Switches, Routers, Wireless AP's, Wireless Controller, IP Phones, VC End Points	1500	No.	11.00
65	Drag Reducing Agent (DRA)	DRA is an additive used for online dosing in cross country pipeline for enhancing flow rate during transportation of petroleum / refined petro products	360	Kilo Liters (KL)	12.00
66	Roof hose drains	6 inch SS armored roof hose drains for crude storage tank	6	Nos	3.05
67	Fluidized Catalytic Cracking Catalyst	Fluidized Catalytic Cracking Catalyst	2250	MT	121.50
68	Technical Consultancy for sourcing of Liquified Natural Gas (LNG)	The Consultant will advise on the critical terms , development of evaluation matrix and technical / commercial evaluation of the potential opportunities for sourcing of LNG	0	No	0.00
69	Auto Distillation Unit	Auto Distillation Unit is used for testing of white oil /lighter petroleum fractions (MG/ADF/SKO)	0	No	0.00
70	UVF Sulpher Analyzer	UVF Sulpher Analyzer is used for Supher testing of BS VI Oil samples.	0	No	0.00
71	Inductive Coupled Plasma	For testing elements of DEF-Diesel Exhaust Fluid in Aqueous Media & Lube oil in organic Media	0	No	0.00
72	Temperature programmed desorption (TPD) with massspectrometer	Required for acidity analysis of catalysts/additives.	0	No	0.00
73	Metal Impregnation Equipment Package	It is used for impregnation of metal salts solution/slurries on support alumina for catalysts synthesis-500 KG Capacity	0	Pkg	0.00
74	Gas Phase Polymerization Reactor System	Required for polymerization of ethylene and/or propylene to evaluate different catalyst and optimize process condition with approximately similar flow condition as in a commercial continuous gas phase reactor like a fludized bed reactor.	0	No	0.00
75	Reference fuels for Quality Control Equipment 1. Iso octane 2. N-heptane 3. 80-20(isooctane PRF blend) 4. T fuel 5. U fuel 6. TEL isooctane blend	Reference fuels for QC equipment(CFR Engine)	1. 28 2. 14 3. 15 4. 4 5. 4 6. 3	barrels	2.32

Sr No	Description of item	Broad Specification Parameters	Qty	Accounting Unit (Nos/Kilometers/ Kg)	Estimated Value of Procurement (Rs in Cr)
76	CO Combustion Promoter	Specialized Additives & Chemicals to improve yield optimization , maintain product specifications and ensure corrosion inhibition in process Units	0	MT	0.00
77	Anti-static additive for ATF	for conductivity improvement in ATF	2604	kgs	1.34
78	Procurement of 140/150 MT Crane	Fabrication, Assembly, Testing, Supply and commissioning of brand new Rough Terrain; Telescopic; Hydraulic; Diesel driven; Multiaxle; tyre mounted; 360 degrees continuous slewing mobile Crane of 140/150 Metric Ton Capacity.	0	Nos	0
79	NHT Catalyst	Nil	Nil	Nil	Nil
80	Tribo Test Rig-FZG	Nil	Nil	Nil	Nil
81	Merox catalyst	Merox Impregnated Catalyst	50.5	MT	5.45
82	Hydrotreating Catalyst (VGO & Diesel))	Nil	Nil	Nil	Nil
83	Enzymes	Cellulosic Enzyme (bio-catalyst) required for conversion of cellulose to simple sugar for further conversion to Ethanol through fermentation, required for 2G Bio-Ethanol Refinery at Bhatinda.	1691	GigaBHU	21
84	ASTM Proficiency Testing for Labs	ASTM Proficiency Testing for Labs - HPCL Visakh Refinery	1	Each	0.05