

Name of the Organization: HINDUSTAN PETROLEUM CORPORATION LIMITED

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 (Nos/Kilometers /Kg...)	Estimated Value of Procurement (Rs in Cr)
1	Motors	3 phase Induction motors with FLP enclosure 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 Discharge/Shoes Thrust Main Bearing/ Shell Main Bearing/ Shims for Bearing Clearance Adjustment/ Seal Oil/ Ring Oil ETC	300	Nos	2.50
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 Polypropylene, 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 ,WiFi 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	Carbon Steel Pipes/Flanges/Elbow/Fittings	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 /Kg...)	Estimated Value of Procurement (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 positioning - .5 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 EI 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 Unit (Nos/Kilometers /Kg...)	Estimated Value of Procurement (Rs in Cr)
43	DCU	De-Compression unit of 450 SCMh capacity with inlet pr of 250 bar and outlet pr of 4 bar	10	Nos	4.22
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 for Manufacturing of Engine Oil	1520	MT	28.45
48	Additive	LZ3700D/LZ 8688/ALTERNATE for Manufacturing of Engine Oil	1705	MT	26.29
49	Additive	LZ3587/HITEC1272 S/ALTERNATE Manufacturing of Engine Oil	120	MT	2.42
50	Additive	LZCV3103/HITEC 1272S/ALTERNATE Manufacturing of Engine Oil	435	MT	6.64
51	Additive	LZ1040A/ALTERNATE Manufacturing of EP grade Gear Oil	330	MT	9.39
52	Additive	LZ1040A/ALTERNATE Manufacturing of XP grade Gear Oil	90	MT	2.57
53	Additive	OLOA22045/ALTERNATE Manufacturing of 4 stroke engine oil	2450	MT	44.20
54	Additive	LZFC7040/OLOA 22045/ALTERNATE Manufacturing of 4 stroke engine oil	1935	MT	35.92
55	Additive	LZCV7540/ALTERNATE Manufacturing of Diesel Engine Oil	915	MT	18.26
56	Additive	InfineumS911/ALTERNATE Manufacturing of 2 stroke Engine Oil	205	MT	5.73
57	Additive	LZCV2301/ALTERNATE Manufacturing of Turbo Diesel Engine Oil	420	MT	6.27
58	Additive	OLOA59054/ALTERNATE Manufacturing of Multigrade Engine Oil	126	MT	2.47
59	Additive	OLOA 1255Z/ALTERNATE Manufacturing of Engine Oil	11	MT	0.33
60	Additive	LZPV9131/ALTERNATE Manufacturing of synthetic grade Engine Oil	119	MT	3.83
61	Additive	LZ760C/ALTERNATE Manufacturing of Industrial Lube Oil	131	MT	2.39
62	Additive	Supertran i/r MONO	134	MT	2.88
63	Additive	SA300/ALTERNATE Additive for antirust in Lube Oil	25	MT	1.53
64	Additive	LZ677A/ALTERNATE Additive for anti wear in lube oil	400	MT	12.65
65	Additive	LZ5703/HITEC 521/Alternate Manufacturing compressor oil	57	MT	1.95
66	Additive	LZ5047/ALTERNATE Used for manufacturing Lube Oil	98	MT	3.90
67	Additive	BA55/ALTERNATE Additive for Corrosion inhibitor	16	MT	0.97
68	Additive	LZFC8270BX/Alternate Manufacturing of 2 wheeler engine oil	950	MT	41.06
69	Additive	OLOA2000/Alternate Manufacturing of Rail Road Engine Oil	475	MT	11.93
70	Additive	Paratone8015/alternate Manufacturing of Rail Road Engine Oil	160	MT	4.00
71	Additive	LZ5940/ALTERNATE Manufacturing of heat transmission Oil	80	MT	2.06
72	Additive	LZ9990A/Alternate Manufacturing of Gear Oil	180	MT	8.23
73	Additive	LZ5941/Alternate Manufacturing of quenching Oil	12	MT	0.51
74	Additive	Hitec 5708/ALTERNATE Manufacturing of Gearoil	88	MT	1.72
75	Additive	ADCOEP52/ALTERNATE Lube oil for Textile Mills	11	MT	0.72
76	Additive	RC3760/ALTERNATE Lube oil for Textile Mills	65	MT	6.06
77	Additive	OLOA 59211/Alternate Manufacturing of Engine Oil	460	MT	9.02

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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 Manufacturing of Gear Oil	11	MT	0.49
82	Additive	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 Manufacturing of Synthetic Engine Oil	610	MT	7.62
85	Base Oil	GRIII6cST Manufacturing of Synthetic Engine Oil	32	MT	0.45
86	Base Oil	GRIII8cST Manufacturing of Synthetic Engine Oil	3090	MT	35.26
87	Additive	PAO10/ Alternate Manufacturing of Synthetic Lube Grades.	22	MT	0.66
88	Additive	PAO 100/ Alternate Manufacturing of Synthetic Lube Grades.	33	MT	1.14
89	Additive	PAO6/ Alternate Manufacturing of Synthetic Lube Grades.	55	MT	1.65
90	Base Oil (WHITE OIL)	WHITE OIL For manufacturing of Lube Oil	2920	MT	16.69
91	Additive	LZ3702/alternate For manufacturing Gear Oil	170	MT	6.62
92	Additive	LZ9151/alternate For manufacturing Bajaj Grade Lube Oil	1130	MT	46.31
93	Additive	RC8239/ALTERNATE Manufacturing of Shock absorber Oil grades	7	MT	0.44
94	Additive	LZ5172/Alternate Anti Emulsion	3	MT	0.53
95	Additive	LZ889D/Alternate Anti Foaming	3	MT	0.32
96	Additive	HITEC 8705/ALTERNATE Manufacturing of Lube Oil	140	MT	4.60
97	Additive	LZ7065CA/Paratone8910/ Hitec5835H/ OCPJ0030 and Lubimax 5835 for manufacturing of PBO	1380	MT	32.50
98	Additive	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
106	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	0.36
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 Unit (Nos/Kilometers /Kg...)	Estimated Value of Procurement (Rs in Cr)
109	SPM-EXPANSION JOINT	24 inch expansion joint for SPM	2	Nos	0.32
110	IT Networking equipments	L2 / L3 Switches, Wireless AP's	300	No.	4.5
111	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
112	Roof hose drains	6 inch SS armored roof hose drains for crude storage tank	0	Nos	0
113	Fluidized Catalytic Cracking Catalyst	Fluidized Catalytic Cracking Catalyst	2250	MT	90
114	Technical Consultancy for sourcing of Liquefied 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
115	Auto Distillation Unit	Auto Distillation Unit is used for testing of white oil /lighter petroleum fractions (MG/ADF/SKO)	0	No	0
116	UVF Sulpher Analyzer	UVF Sulpher Analyzer is used for Supher testing of BS VI Oil samples.	0	No	0
117	Inductive Coupled Plasma	For testing elements of DEF-Diesel Exhaust Fluid in Aqueous Media & Lube oil in organic Media	0	No	0
118	Temperature programmed desorption (TPD) with massspectrometer	Required for acidity analysis of catalysts/additives.	0	No	0
119	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
120	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
121	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. 25 2. 11 3. 11 4. 3 5. 3 6. 2	barrels	2.32
122	CO Combustion Promoter	Specialized Additives & Chemicals to improve yield optimization , maintain product specifications and ensure corrosion inhibition in process Units	3.18	MT	1.029
123	Anti-static additive for ATF	For conductivity improvement in ATF	2604	Kgs	1.34
124	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.	1	Nos	12
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 cellulose to simple sugar for further conversion to Ethanol through fermentation, required for 2G Bio-Ethanol Refinery at Bhatinda.	Nil	Nil	Nil
130	ASTM Proficiency Testing for Labs	Nil	Nil	Nil	Nil

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Financial Year : 2024-25

Sr No	Description of item	Broad Specification Parameters	Qty	Accounting Unit (Nos/Kilometers /Kg...)	Estimated Value of Procurement (Rs in Cr)
1	Electrical panel and Components	22kv, 6.6 kv, 3.3 kv and 415 v switchboard with incomer, motor, transformer and spare feeder	46	No.	5.70
2	Compressors and Spares	KW rating 13.9 to 3030 , Spares-Magnum Valve Discharge/Shoes Thrust Main Bearing/ Shell Main Bearing/ Shims for Bearing Clearance Adjustment/ Seal Oil/ Ring Oil ETC	504	No.	6.90
3	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	1550	No.	18.50
4	Gas Turbine Generator Spares	Frame 5, Spares-Liner Bearing, Seal Air, Stationary Oil Bearing, Deflector Oil Bearing, Hexagon Nut, Stud-Body Bound/ Twelve Point Head Bolt/ Gear IGV/ Spring Leaf/ Bushing Du/ Bushing ETC	35	No.	2.50
5	Heat Exchanger and 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, 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.	59	No.	15.91
6	Filters	Autoback wash filter, coalescers of Polypropylene, Glass Fibre,Cotton Wound material (Filtration Rating: 5 Micron to 40 micron)	1	No.	3.00
7	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	Lot	1.00
8	IT equipments and computers	L2, L3 Switches (Make-Cisco, HP, Hitachi), IT Cartridges (Make-HP, Samsung) and Servers (HP, DELL, CISCO)	2060	No.	2.30
9	Lab Equipment	Glassware-aboratory apparatus like Viscometers,Distillation flasks, Pipettes, Burettes, Beakers, Separating funnels etc	5	No.	4.48
10	Distributed Control System	DCS/PLC electronic cards and components	4	No.	8.00
11	Analyzers (Process/stack)	Process Analyzers	2	No.	1.50
12	Horizontal Boring Machine	A horizontal boring machine with ~ 100 mm spindle diameter and maximum 1100 Nm	1	Nos	6.40

Sr No	Description of item	Broad Specification Parameters	Qty	Accounting Unit (Nos/Kilometers /Kg...)	Estimated Value of Procurement (Rs in Cr)
13	Vertical Lathe	Vertical lathe with turning diameter > 1100 mm and working height > 600 mm	1	Nos	3.70
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, proximometers, 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 positioning - .5 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, Filtration with 2micron, 4 micron & 5 micorn 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 Unit (Nos/Kilometers /Kg...)	Estimated Value of Procurement (Rs in Cr)
31	Aviation Filters	Aviation Filters conforming to EI 1581 and EI 1583 latest specification	2066	Nos	1.29
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 250 bar and suitable for 20-48 degree	195	Numbers	54.84
35	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	Numbers	63.38
36	CNG Compressors-GED	Gas Engine Driven CNG Compressors of 1200 SCMh flow capacity	13	Numbers	24.38
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 flow capacity	26	Numbers	32.50
39	SS Tubings	Seamless Stainless Steel tubings fully annealed of 3/4" and 1/2" sizes	32500	Meters	24.38
40	Domestic Meters	Domestic Diaphragm Natural Gas Meters G1.6 for Domestic PNG connections	311400	Numbers	58.39
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 250 bar and outlet pr of 4 bar	10	Numbers	4.40
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 for Manufacturing of Engine Oil	1590	MT	29.88
47	Additive	LZ3700D/LZ 8688/ALTERNATE for Manufacturing of Engine Oil	1790.25	MT	27.61
48	Additive	LZ3587/HITEC1272 S/ALTERNATE Manufacturing of Engine Oil	125	MT	2.54
49	Additive	LZCV3103/HITEC 1272S/ALTERNATE Manufacturing of Engine Oil	450	MT	6.97
50	Additive	LZ1040A/ALTERNATE Manufacturing of EP grade Gear Oil	345	MT	9.86
51	Additive	LZ1040A/ALTERNATE Manufacturing of XP grade Gear Oil	94.5	MT	2.70
52	Additive	OLOA22045/ALTERNATE Manufacturing of 4 stroke engine oil	2570	MT	46.41
53	Additive	LZFC7040/OLOA 22045/ALTERNATE Manufacturing of 4 stroke engine oil	2030	MT	37.72
54	Additive	LZCV7540/ALTERNATE Manufacturing of Diesel Engine Oil	960	MT	19.17
55	Additive	InfineumS911/ALTERNATE Manufacturing of 2 stroke Engine Oil	214.9875	MT	6.02
56	Additive	LZCV2301/ALTERNATE Manufacturing of Turbo Diesel Engine Oil	440	MT	6.58
57	Additive	OLOA59054/ALTERNATE Manufacturing of Multigrade Engine Oil	132.3	MT	2.59
58	Additive	OLOA 1255Z/ALTERNATE Manufacturing of Engine Oil	11.96943733	MT	0.35
59	Additive	LZPV9131/ALTERNATE Manufacturing of synthetic grade Engine Oil	125.2383841	MT	4.02
60	Additive	LZ760C/ALTERNATE Manufacturing of Industrial Lube Oil	137.8384088	MT	2.51

Sr No	Description of item	Broad Specification Parameters	Qty	Accounting Unit (Nos/Kilometers /Kg...)	Estimated Value of Procurement (Rs in Cr)
61	Additive	Supertran i/r MONO	140.6514375	MT	3.02
62	Additive	SA300/ALTERNATE Additive for antirust in Lube Oil	26.76429	MT	1.61
63	Additive	LZ677A/ALTERNATE Additive for anti wear in lube oil	420	MT	13.28
64	Additive	LZ5703/HITEC 521/Alternate Manufacturing compressor oil	59.41688587	MT	2.05
65	Additive	LZ5047/ALTERNATE Used for manufacturing Lube Oil	102.7931062	MT	4.09
66	Additive	BA55/ALTERNATE Additive for Corrosion inhibitor	16.99744492	MT	1.02
67	Additive	LZFC8270BX/Alternate Manufacturing of 2 wheeler engine oil	1000	MT	43.11
68	Additive	OLOA2000/Alternate Manufacturing of Rail Road Engine Oil	500	MT	12.53
69	Additive	Paratone8015/alternate Manufacturing of Rail Road Engine Oil	167.948235	MT	4.20
70	Additive	LZ5940/ALTERNATE Manufacturing of heat transmission Oil	84	MT	2.16
71	Additive	LZ9990A/Alternate Manufacturing of Gear Oil	190	MT	8.65
72	Additive	LZ5941/Alternate Manufacturing of quenching Oil	12.12311205	MT	0.53
73	Additive	Hitec 5708/ALTERNATE Manufacturing of Gearoil	95	MT	1.81
74	Additive	ADCOEP52/ALTERNATE Lube oil for Textile Mills	11.57625	MT	0.75
75	Additive	RC3760/ALTERNATE Lube oil for Textile Mills	70	MT	6.36
76	Additive	OLOA 59211/Alternate Manufacturing of Engine Oil	485	MT	9.47
77	Additive	Anglamol 99,LZ 6178/Alternate Manufacturing of Gear Oil	23.9628375	MT	1.06
78	Additive	TALUMARB215, MAR501 S/Alternate Manufacturing of Marine grades.	11.57625	MT	0.52
79	Additive	Anglamol6044BB/Alternate Manufacturing of Greases	11.57625	MT	0.56
80	Additive	Anglamol 6043/Alternate Manufacturing of Gear Oil	11.57625	MT	0.51
81	Additive	LZCV7530/Alternate Manufacturing of Diesel Engine Oil.	1410	MT	28.67
82	Additive	OLOA1255/Alternate Manufacturing of Lube Oil for CNG vehicles.	12.50235	MT	0.76
83	Base Oil	GRIII4cST Manufacturing of Synthetic Engine Oil	640	MT	8.00
84	Base Oil	GRIII6cST Manufacturing of Synthetic Engine Oil	33.6	MT	0.47
85	Base Oil	GRIII8cST Manufacturing of Synthetic Engine Oil	3244.5	MT	37.02
86	Additive	PAO10/ Alternate Manufacturing of Synthetic Lube Grades.	23.1525	MT	0.69
87	Additive	PAO 100/ Alternate Manufacturing of Synthetic Lube Grades.	34.72875	MT	1.20
88	Additive	PAO6/ Alternate Manufacturing of Synthetic Lube Grades.	60	MT	1.74
89	Base Oil (WHITE OIL)	WHITE OIL For manufacturing of Lube Oil	3065	MT	17.53
90	Additive	LZ3702/alternate For manufacturing Gear Oil	180	MT	6.95

Sr No	Description of item	Broad Specification Parameters	Qty	Accounting Unit (Nos/Kilometers /Kg...)	Estimated Value of Procurement (Rs in Cr)
91	Additive	LZ9151/alternate For manufacturing Bajaj Grade Lube Oil	1190	MT	48.62
92	Additive	RC8239/ALTERNATE Manufacturing of Shock absorber Oil grades	6.94575	MT	0.46
93	Additive	LZ5172/Alternate Anti Emulsion	3.5	MT	0.60
94	Additive	LZ889D/Alternate Anti Foaming	3.5	MT	0.40
95	Additive	HITEC 8705/ALTERNATE Manufacturing of Lube Oil	150	MT	5.00
96	Additive	LZ7065CA/Paratone8910/ Hitec5835H/ OCPJ0030 and Lubimax 5835 for manufacturing of PBO	1410	MT	33.50
97	Additive	LZ7067C for manufacturing of PBO Super	320	MT	13.00
98	Additive	ELCO313/ LZ 5340/LZ 5346/Addco Sw2/Hitec 561 for manufacturing of Waylube Grades.	15	MT	1.80
99	Additive	Lithium Hydroxide for Manufacturing Greases	55	MT	3.50
100	Additive	PARABAR 441/BHT/DPBC for Manufacturing of Lube Oil	145	MT	3.44
101	Additive	LZAT3112 and equivalent grade For manufacturing of Lube Oil	155	MT	6.74
102	Microsoft Enterprise Agreement	Specialised Software services and their AMC (Microsoft Enterprise Agreement)	1	Lumpsum	66.78
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. 24 inch Mainline Hose 3. 24 inch x 16 inch taper bore hose 4. 16 inch tail hose 5. 16 inch tanker rail hose	2	NOS	1
107	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
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 pipeline for enhancing flow rate during transportation of petroleum / refined petro products	360	Kilo Liters (KL)	12.00
110	Roof hose drains	6 inch SS armored roof hose drains for crude storage tank	3	Nos	1.14
111	Fluidized Catalytic Cracking Catalyst	Fluidized Catalytic Cracking Catalyst	2250	MT	103.50
112	Technical Consultancy for sourcing of Liquefied 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
113	Auto Distillation Unit	Auto Distillation Unit is used for testing of white oil /lighter petroleum fractions (MG/ADF/SKO)	0	No	0.00
114	UVF Sulpher Analyzer	UVF Sulpher Analyzer is used for Supher testing of BS VI Oil samples.	0	No	0.00
115	Inductive Coupled Plasma	For testing elements of DEF-Diesel Exhaust Fluid in Aqueous Media & Lube oil in organic Media	0	No	0.00
116	Temperature programmed desorption (TPD) with massspectrometer	Required for acidity analysis of catalysts/additives.	0	No	0.00

Sr No	Description of item	Broad Specification Parameters	Qty	Accounting Unit (Nos/Kilometers /Kg...)	Estimated Value of Procurement (Rs in Cr)
117	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
118	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 fluidized bed reactor .	0	No	0.00
119	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
120	CO Combustion Promoter	Specialized Additives & Chemicals to improve yield optimization , maintain product specifications and ensure corrosion inhibition in process Units	0	MT	0.00
121	Anti-static additive for ATF	for conductivity improvement in ATF	2604	kgs	1.34
122	Procurement of 140/150 MT Crane	Fabrication, Assembly, Testing, Supply and commissioning of brand new Rough Terrain; Telescopic; Hydraulic; Diesel driven; Multi-axle; tyre mounted; 360 degrees continuous slewing mobile Crane of 140/150 Metric Ton Capacity.	0	Nos	0
123	NHT Catalyst	Catalyst for NHT Reactor (72-R-01)	13000 (19.4)	kg (m3)	2.46
124	Tribo Test Rig-FZG	As per ASTM/DIN standard	1	no.	4.66
125	Mercox catalyst	Mercox Impregnated Catalyst	0	MT	0
126	Hydrotreating Catalyst (VGO & Diesel))	Hydrotreating catalyst for Diesel & VGO	527.6	m3	88.3
127	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.	845	GigaBHU	42
128	ASTM Proficiency Testing for Labs	ASTM Proficiency Testing for Labs - HPCL R&D	4	Each	2.00
		ASTM Proficiency Testing for Labs - HPCL Visakh Refinery	1	Each	0.05

Name of the Organization: HINDUSTAN PETROLEUM CORPORATION LIMITED

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

Ministry Department- Ministry of Petroleum and Natural Gas

Financial Year : 2025-26

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

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	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 Manufacturing of Synthetic Engine Oil	672	MT	8.40
39	Base Oil	GRIII6cST Manufacturing of Synthetic Engine Oil	35	MT	0.50
40	Base Oil	GRIII8cST Manufacturing of Synthetic Engine Oil	3405	MT	38.87
41	Additive	PAO10/ Alternate Manufacturing of Synthetic Lube Grades.	24	MT	0.73
42	Additive	PAO 100/ Alternate Manufacturing of Synthetic Lube Grades.	36	MT	1.26
43	Additive	PAO6/ Alternate Manufacturing 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	MT	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 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	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 fluidized bed reactor .	0	No	0.00

Sr No	Description of item	Broad Specification Parameters	Qty	Accounting Unit (Nos/Kilometers/Kg...)	Estimated Value of Procurement (Rs in 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; Multi-axle; 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	Mercox catalyst	Mercox 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

Name of the Organization: HINDUSTAN PETROLEUM CORPORATION LIMITED

Website link- <https://www.hindustanpetroleum.com/images/pdf/5yearsPlan.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)
1	Additive	LZ16005/OLOA8888/ ALTERNATE for Manufacturing of Engine Oil	1750	MT	32.94
2	Additive	LZ3700D/LZ 8688/ALTERNATE for Manufacturing of Engine Oil	1972	MT	30.44
3	Additive	LZ3587/HITEC1272 S/ALTERNATE Manufacturing of Engine Oil	136	MT	2.81
4	Additive	LZCV3103/HITEC 1272S/ALTERNATE Manufacturing of Engine Oil	493	MT	7.68
5	Additive	LZ1040A/ALTERNATE Manufacturing of EP grade Gear Oil	377	MT	10.87
6	Additive	LZ1040A/ALTERNATE Manufacturing of XP grade Gear Oil	106	MT	2.98
7	Additive	OLOA22045/ALTERNATE Manufacturing of 4 stroke engine oil	2833	MT	51.16
8	Additive	LZFC7040/OLOA 22045/ALTERNATE Manufacturing of 4 stroke engine oil	2234	MT	41.59
9	Additive	LZCV7540/ALTERNATE Manufacturing of Diesel Engine Oil	1054	MT	21.13
10	Additive	InfineumS911/ALTERNATE Manufacturing of 2 stroke Engine Oil	236	MT	6.63
11	Additive	LZCV2301/ALTERNATE Manufacturing of Turbo Diesel Engine Oil	483	MT	7.26
12	Additive	OLOA59054/ALTERNATE Manufacturing of Multigrade Engine Oil	147	MT	2.86
13	Additive	OLOA 1255Z/ALTERNATE Manufacturing of Engine Oil	13	MT	0.38
14	Additive	LZPV9131/ALTERNATE Manufacturing of synthetic grade Engine Oil	138	MT	4.43
15	Additive	LZ760C/ALTERNATE Manufacturing of Industrial Lube Oil	152	MT	2.77
16	Additive	Supertran i/r MONO	155	MT	3.33
17	Additive	SA300/ALTERNATE Additive for antirust in Lube Oil	30	MT	1.77
18	Additive	LZ677A/ALTERNATE Additive for anti wear in lube oil	465	MT	14.64
19	Additive	LZ5703/HITEC 521/Alternate Manufacturing compressor oil	66	MT	2.26
20	Additive	LZ5047/ALTERNATE Used for manufacturing Lube Oil	113	MT	4.51
21	Additive	BA55/ALTERNATE Aditive for Corrosion inhibitor	19	MT	1.12
22	Additive	LZFC8270BX/Alternate Manufacturing of 2 wheeler engine oil	1100	MT	47.53
23	Additive	OLOA2000/Alternate Manufacturing of Rail Road Engine Oil	548	MT	13.82
24	Additive	Paratone8015/alternate Manufacturing of Rail Road Engine Oil	185	MT	4.63
25	Additive	LZ5940/ALTERNATE Manufacturing of heat transmission Oil	97	MT	2.38

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 Manufacturing of Synthetic Engine Oil	707	MT	8.82
39	Base Oil	GRIII6cST Manufacturing of Synthetic Engine Oil	38	MT	0.52
40	Base Oil	GRIII8cST Manufacturing of Synthetic Engine Oil	3573	MT	40.82
41	Additive	PAO10/ Alternate Manufacturing of Synthetic Lube Grades.	26	MT	0.77
42	Additive	PAO 100/ Alternate Manufacturing of Synthetic Lube Grades.	38	MT	1.32
43	Additive	PAO6/ Alternate Manufacturing 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	MT	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	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	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.	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

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 fluidized 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; Multi-axle; 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	Mercox catalyst	Mercox 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

Name of the Organization: HINDUSTAN PETROLEUM CORPORATION LIMITED

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 (Nos/Kilometers/ Kg...)	Estimated Value of Procurement (Rs in Cr)
1	Additive	LZ16005/OLOA8888/ ALTERNATE for Manufacturing of Engine Oil	1835	MT	34.59
2	Additive	LZ3700D/LZ 8688/ALTERNATE for Manufacturing of Engine Oil	2069	MT	31.96
3	Additive	LZ3587/HITEC1272 S/ALTERNATE Manufacturing of Engine Oil	142	MT	2.95
4	Additive	LZCV3103/HITEC 1272S/ALTERNATE Manufacturing of Engine Oil	516	MT	8.07
5	Additive	LZ1040A/ALTERNATE Manufacturing of EP grade Gear Oil	395	MT	11.41
6	Additive	LZ1040A/ALTERNATE Manufacturing of XP grade Gear Oil	112	MT	3.12
7	Additive	OLOA22045/ALTERNATE Manufacturing of 4 stroke engine oil	2973	MT	53.72
8	Additive	LZFC7040/OLOA 22045/ALTERNATE Manufacturing of 4 stroke engine oil	2343	MT	43.67
9	Additive	LZCV7540/ALTERNATE Manufacturing of Diesel Engine Oil	1102	MT	22.19
10	Additive	InfineumS911/ALTERNATE Manufacturing of 2 stroke Engine Oil	248	MT	6.96
11	Additive	LZCV2301/ALTERNATE Manufacturing of Turbo Diesel Engine Oil	507	MT	7.62
12	Additive	OLOA59054/ALTERNATE Manufacturing of Multigrade Engine Oil	154	MT	3.00
13	Additive	OLOA 1255Z/ALTERNATE Manufacturing of Engine Oil	14	MT	0.40
14	Additive	LZPV9131/ALTERNATE Manufacturing of synthetic grade Engine Oil	145	MT	4.65
15	Additive	LZ760C/ALTERNATE Manufacturing of Industrial Lube Oil	160	MT	2.90
16	Additive	Supertran i/r MONO	163	MT	3.50
17	Additive	SA300/ALTERNATE Additive for antirust in Lube Oil	31	MT	1.86
18	Additive	LZ677A/ALTERNATE Additive for anti wear in lube oil	491	MT	15.38
19	Additive	LZ5703/HITEC 521/Alternate Manufacturing compressor oil	69	MT	2.37
20	Additive	LZ5047/ALTERNATE Used for manufacturing Lube Oil	119	MT	4.74
21	Additive	BA55/ALTERNATE Additive for Corrosion inhibitor	20	MT	1.18
22	Additive	LZFC8270BX/Alternate Manufacturing of 2 wheeler engine oil	1151	MT	49.90
23	Additive	OLOA2000/Alternate Manufacturing of Rail Road Engine Oil	573	MT	14.51
24	Additive	Paratone8015/alternate Manufacturing of Rail Road Engine Oil	194	MT	4.86
25	Additive	LZ5940/ALTERNATE Manufacturing of heat transmission Oil	106	MT	2.50
26	Additive	LZ9990A/Alternate Manufacturing of Gear Oil	223	MT	10.01
27	Additive	LZ5941/Alternate Manufacturing of quenching Oil	14	MT	0.62

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 Mills	13	MT	0.87
30	Additive	RC3760/ALTERNATE Lube oil for Textile Mills	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	OLOA1255/Alternate Manufacturing of Lube Oil for CNG vehicles.	14	MT	0.88
38	Base Oil	GRIII4cST Manufacturing of Synthetic Engine Oil	743	MT	9.26
39	Base Oil	GRIII6cST Manufacturing of Synthetic Engine Oil	41	MT	0.55
40	Base Oil	GRIII8cST Manufacturing of Synthetic Engine Oil	3749	MT	42.86
41	Additive	PAO10/ Alternate Manufacturing of Synthetic Lube Grades.	27	MT	0.80
42	Additive	PAO 100/ Alternate Manufacturing of Synthetic Lube Grades.	40	MT	1.38
43	Additive	PAO6/ Alternate Manufacturing of Synthetic Lube Grades.	69	MT	2.01
44	Base Oil (WHITE OIL)	WHITE OIL For manufacturing of Lube Oil	3540	MT	20.29
45	Additive	LZ3702/alternate For manufacturing Gear Oil	209	MT	8.04
46	Additive	LZ9151/alternate For manufacturing Bajaj Grade Lube Oil	1368	MT	56.28
47	Additive	RC8239/ALTERNATE Manufacturing of Shock absorber Oil grades	8	MT	0.54
48	Additive	LZ5172/Alternate Anti Emulsion	6	MT	0.69
49	Additive	LZ889D/Alternate Anti Foaming	6	MT	0.46
50	Additive	HITEC 8705/ALTERNATE Manufacturing of Lube Oil	191	MT	6.66
51	Additive	LZ7065CA/Paratone8910/ Hitec5835H/ OCPJ0030 and Lubimax 5835 for manufacturing of PBO	1483	MT	38.20
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	TMT	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 Naptha Isomerisation unit Off Gas Dryer vessels to remove moisture from scrubber off-gases to	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 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 Liquefied 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; Multi-axle; 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	Mercox catalyst	Mercox 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