



GAIL/ND/C&P/Procurement Plan/2022-2027

## PROCUREMENT PLAN OF GAIL FOR ITEMS/ MACHINERY/ COMPONENT FOR NEXT FIVE YEARS

2022-23

DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
<b>CHEMICAL / CATALYST / GAS</b>			
AMINOSOL	228	LITRES	488.00
ACTIVATED CHARCOAL	90	MT	111.29
ALUM	100	MT	11.00
ARC OF CALIBRATION GASES FOR AKM LAB	1	LUMPSUM	1.00
CHEMICALS AND CONSUMABLES	1	LITERS	2.00
COATING MATERIAL	4	LITERS	32.00
DIESEL (KL)	84	KL	55.57
ETHYL MERCAPTAN (MT)	20	MT	110.00
HCL (MT)	1500	MT	25.00
HYDRAZINE (MT)	4	MT	25.00
LIQUID NITROGEN	600	MT	180.00
LUBE OILS	11	KL	6.00
METHANOL	50	MT	15.44
MORPHOLINE	9	MT	40.00
NAOH (100%)	150	MT	70.00
POLY ALUMINUM CHLORIFE (PAC)	10	MT	50.00



GAIL/ND/C&P/Procurement Plan/2022-2027

DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
PROCUREMENT OF MINERAL OILS IN LITRES (SERVO PRIME32, PRIME46, PRIDE30, SYSTEM30, SYSTEM68, SYSTEM220, PRESS100, PRESS68, FRIZ68, PREMIUM CF4, SYSTEM 320, SYSTEM HLP 46, ISO VG 32, GEM EP2 )	7000	LITERS	52.50
REFILLING OF ARGONITE CYLINDERS	100	EA	7.00
REFILLING OF CO2 CYLINDERS	144	EA	7.00
SODIUM CHLORITE	800	MT	900.00
SODIUM HYPOCHLORITE	240	MT	25.00
SULPHURIC ACID	100	MT	10.00
SYNTHETIC OIL (MOBIL JET)	3000	LITRES	22.50
TSP	6	MT	5.00
HELIUM GAS CYLINDERS	150	EA	35.00
N2 PLANTS CMS REPLACEMENT	1	LUMPSUM	3250.00
ETHYL MERCAPTAN	23,591	KGS	0.90
<b>CIVIL</b>			
CEMENT SLAB (PIPELINE PROTECTION SLAB)	200	EA	80.00
<b>ELECTRICAL</b>			
33 KV GRID POWER CONNECTION	1	EA	5.00
AIR CONDITIONER FOR & WATER COOLER	22	EA	16.00
BATTERIES (BATTERY BANK & CHARGER)	31	EA	469.00
BUS DUCT OF DISTRIBUTION TRANSFORMER	2	EA	10.00
CONTACTORS	30	EA	8.27



**GAIL/ND/C&P/Procurement Plan/2022-2027**

DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
DEG-1350 KVA-SPARES	5	SET	1.00
ELECTRICAL	5522	EA	75.00
ENERGY EFFICIENT MOTOR	9	EA	26.00
FCBC	5	EA	25.00
FLP/LED LIGHTING SYSTEM	40	LUMPSUM	6.00
HT BREAKERS	123	EA	1003.00
INDUSTRIAL UPS /ONLINE UPS	2	EA	10.00
INSULATING JOINTS (VARIOUSSIZE)	50	EA	330.00
LIGHTING CONSUMABLES INCLUDING EX-D OUTDOOR LIGHTS	35	EA	32.00
MOTORS	27	EA	250.00
MISCELLANEOUS ITEMS (MULTIMETERS, CONVERTER, KIRK CELLS, PORTABLE GENERATORS, SOLAR POLE LIGHTS, HIGH MASTS, WIRES, CABLES, FANS, HEATERS, AIR-CONDITIONERS ETC.)	26	SET	620.00
MOTOR OPERATED VALVES	7	EA	121.00
POWER SUPPLIES	6	EA	3.00
RELAYS	30	EA	6.06
SPARES (CP/ELECTRICAL)	*	SET	40.00
SPARES FOR DEG SET	*	SET	10.00
SPARES PARTS OF VARIOUS ELECTRICAL EQUIPMENT'S	30	SET	30.00
TRANSFORMER (10/12.5MVA)	8000	EA	7.00
UPS	4	EA	36.00
VARIOUS ELECTRICAL CONSUMABLES	50	EA	50.00
VCB(VACCUUM CIRCUIT BREAKER)	10	EA	120.00
VSD FOR PUMP	60	EA	170.00



**GAIL/ND/C&P/Procurement Plan/2022-2027**

DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
75KVA GEG (AGRA & FIROZABAD CGS)	2	EA	50.00
AIR COOLERS	1	EA	413.00
CONTACTORS & RELAYS	*	EA	1.00
DC -DC CONVERTER	10	EA	10.00
DG SET	5	EA	25.00
FCBC CHARGER	10	EA	15.00
MOV 02NO	2	EA	16.00
OPTICAL PASSIVES	*	EA	50.00
REPLACEMENT OF OLD AC	35	LUMPSUM	20.00
REPLACEMENT OF OLD DUCTABLE AC WITH INVERTER TECHNOLOGY AC	*	LUMPSUM	8.00
SPARES & CONSUMABLES FOR ICP- OES SYSTEM	1	SET	10.00
<b>INSTRUMENTATION</b>			
AIR FILTER FOR GTC & GEG VENTILATION	1466	LUMPSUM	125.00
CCTV SYSTEM & CAMERA	*	SET	12.00
CONTROL VALVES	50	EA	190.00
DCS SYSTEMS HARDWARE/SOFTWARE	2	LUMPSUM	800.00
ELECTRICAL MEASURING INSTRUMENTS	4	EA	52.00
ER PROBE DATA LOGGERS	20	EA	70.00
FIELD INSTRUMENTS	750	EA	476.00
FLOW COMPUTER	28	EA	142.00
FLOW COMPUTER SPARES	3	EA	55.00
GAS DETECTION SYSTEM -NEW SYSTEM PROCUREMENT	10	LUMPSUM	75.00
GAS ENGINE GENERATOR (GEG) INST. SPARES	2	SET	23.00



**GAIL/ND/C&P/Procurement Plan/2022-2027**

DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
GAS TURBINE COMPRESSOR (GTC) INST. SPARES IMPORTED	2	SET	25.00
GC SPARES AND CALIBRATION GAS	1	LOT	42.00
GC UPGRADATION	4	LUMPSUM	200.00
GEG PLC OBSOLETE FRONTEND UPGRADATION	*	LUMPSUM	100.00
GPU DCS OBSOLETE FRONT-END UPGRADATION	148	LUMPSUM	8.00
GTC KC5 INSTRUMENTATION SPARES	1	SET	60.00
H2O/H2S ANNALYSER MAINTENANCE & SPARES	2	SET	7.00
LEL SYSTEM	5	LUMPSUM	82.00
MEASURING INSTRUMENTS	10	EA	7.00
METERING SKID	28	EA	1550.00
PROCUREMENT FOR MASS FLOW METERS AT IPS MANSARAMPURA & TOT-02	1	EA	15.00
OFC	1	KMS	350.00
PCV & FCV REPLACEMENT	3	LUMPSUM	54.00
PIPELINE LOCATOR	2	EA	30.00
PLC SYSTEM	1	LUMPSUM	410.00
PSV CALIBRATION & SPARES	33	SET	3.00
SCADA SYSTEM	13	LUMPSUM	220.00
SPARES (INSTRUMENTATION/METERING) (FC/GC/USM/TFM/RPD/PRS/GDS/PLC ETC.)	*	SET	135.00
SPARES FOR GAS CHROMATOGRAPH	12	SET	20.00
SPARES PROCUREMENT FOR INST	*	SET	5.00



**GAIL/ND/C&P/Procurement Plan/2022-2027**

DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
TFM SPARES & CALIBRATION	6	LUMPSUM	8.00
TURBINE FLOW METER & ITS SPARES	10	EA	25.00
USM UPGRADATION	4	LUMPSUM	110.00
VIBRATION MONITORING SYSTEM UPGRADATION	4	LUMPSUM	170.00
HEATER AND THERMOSTAT FOR TRAIN GG LUBE OIL (CHROMALOX) 3.8 KW	1	EA	5324.00
NEW PCV/SDV	*	EA	200.00
PRIMARY CALIBRATION SYSTEM FOR HAZIRA	*	LUMPSUM	2500.00
PROCUMENT OF CALIBRATION GAS	6	MT	6.00
REPLACEMENT OF BENTLEY NAVADA VIBRATION SYSTEM	1	LUMPSUM	150.00
SPARES FOR DET-TRONICS MAKE LEL GAS DETECTION SYSTEMS	1	SET	30.00
SPARES FOR ROCKWELL PLC	1	LOT	10.00
SURVEILLANCE MEASURES	*	LUMPSUM	20.00
TEST & MEASURING INSTRU.	1	EA	2.00
TESTING, CALIBRATION & MEASUREMENT INSTRUMENTS VIZ MULTIMETERS, MEGGAR, EARTH RESISTANCE TESTERS, MULTIFUNCTION CALIBRATOR, HART COMMUNICATOR ETC.	15	LUMPSUM	30.00
TURBINE METER	2	EA	10.00
XA CARD FOR TJ1410 TEJAS SDH EQUIPMENT	1	EA	1.00
TEST INSTRUMENT - IS LOOP CALIBRATOR	12	NOS.	21.60
TEST INSTRUMENT - MA CLAMP METER	5	NOS.	4.50
TEST INSTRUMENT - IR THERMOMETER- IS	3	NOS.	6.00
TEST INSTRUMENT - DIGITAL STANDARD DIFFERENTIAL PRESSURE GAUGE- IS	8	NOS.	4.40
TEST INSTRUMENT - DIGITAL TEST GAUGE	12	NOS.	12.84



**GAIL/ND/C&P/Procurement Plan/2022-2027**

DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
TEST INSTRUMENT - PNEUMATIC HAND PUMP WITH DIGITAL TEST GAUGE (20BAR)	12	NOS.	24.12
TEST INSTRUMNET - HAND PUMP WITH DIGITAL TEST GAUGE (200BAR)	12	NOS.	33.60
TEST INSTRUMENT - TEMPERATURE CALIBRATOR-IS	2	NOS.	4.70
TEST INSTRUMENT - IS MULTIFUNCTION CALIBRATOR	4	NOS.	24.08
TEST INSTRUMENT - PNEUMATIC HAND PUMP	13	NOS.	10.01
TEST INSTRUMENT - DIGITAL MULTIMETER: 8-1/2 DIGIT	1	NOS.	11.99
TEST INSTRUMENT - MULTIPRODUCT CALIBRATOR	1	NOS.	32.56
TEST INSTRUMENT - RACK MOUNTED PRECISION PRESSURE CALIBRATOR	1	NOS.	8.25
LEL DETECTOR	120	NOS.	172.00
<b>IT</b>			
PRINTERS & CARTRIDGES	32	EA	3.00
CYBER SECURITY	*	LUMPSUM	20.00
IT EQUIPMENT	LOT	LOT	50.00
<b>MECHANICAL</b>			
BALL VALVES ( VARIOUS SIZES)	95	EA	2900.00
ANTISURGE CONTROLLER FOR GTC AND EXPANDER-COMPRESSOR	1	EA	50.00
ATMOSPHERIC PRESSURE STORAGE TANKS	2	EA	700.00



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DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
CT-3 FILLPACK	4	EA	250.00
FILTER SEPARATOR ELEMENTS FOR GREP	128	EA	5.76
FILTER SEPARATOR ELEMENTS FOR HVJ	168	EA	13.12
GASKET	11	LOT	2.00
HEAT EXCHANGERS	6	EA	12169.00
HPU SPARES	5	SET	25.00
HVAC	26	EA	45.00
JOCKEY PUMP & MOTOR/ RAW WATER	1	EA	6.00
KB5 ENGINE SPARE	25	SET	40.00
KC5 ENGINE SPARE	15	SET	8.00
LADDERS (TELESCOPIC, SELF SUPPORT, EXTENDABLE ETC)	46	EA	23.00
LPG PUMP ROTOR	25	EA	40.00
MATERIAL REQUIRED FOR REVAMPING OF INSULATIONS OF LPG / PROPOANE SPHERS	3	SET	500.00
MECHANICAL SEAL	10	EA	164.00
MISCELLANEOUS PIG	5	EA	10.00
NITROGEN PLANT SPARES	12	SET	8.00
O&M SPARES FOR GAS ENGINE GENERATOR (GEG)	15	SET	25.00
OEM KSB NEW LPG PUMP SPARE SET	*	SET	50.00
OVERHAUL OF TURBINE & ENGINE	1	LUMPSUM	4970.00
PRESSURE REGULATOR VALVES SPARES -M/S PIETRO FIORENTININ MAKE	60	EA	110.00
VSD'S FOR LPG PUMPS	1	EA	40.00
PROCESS EQUIPMENT PRESSURE VESSELS	1	EA	1600.00
PRS SPARES	20	SET	25.00
PUMPS	3	EA	2025.00





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DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
PURCHASE OF SPAPERS FOR ENGINES & TURBINES	1	SET	150.00
PURCHASE OF VARIOUS PUMPS SPARES	2	SET	200.00
RB-211 DLE SPARES	25	SET	100.00
SPARES FOR FEED GAS FILTER ELEMENTS AND SEALS	LUMPSUM	SET	20.00
SPARES FOR FW PUMPS & ENINGES	12	SET	1.00
SPARES FOR INSTT. AIR COMPRESSOR & IA DRYER	35	SET	6.00
SPARES OF GASKETS	*	SET	5.00
SPLIT SLEEVES (CS) (30")	3	EA	8.49
TOOLS & TACKLES	*	EA	10.00
TOOLS AND TACKELS FOR MECHANICAL DEPARTMENT	100	EA	3.00
VALVES	*	EA	50.00
VARIOUS TYPES OF CLEANING PIGS	12	EA	5.00
COLUMNS & INTERNALS	2	EA	6757.00
COMPRESSOR	1	LUMPSUM	4041.00
COMPRESSORS & FANS	2	EA	41353.00
CW SYSTEM	1	LUMPSUM	3600.00
DM WATER SYSTEM	1	LUMPSUM	2100.00
DOORS SEALS	7	EA	10.00
FILTER ELEMENT OF DRY GAS FILTER AND FILTER SEPERATOR	*	EA	14.00
FILTER ELEMENTS	10	EA	40.00
FILTER SEPARATOR ELEMENTS FOR DVPL-2	188	EA	0.18



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DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
FLARE SYSTEM	1	LUMPSUM	2000.00
GAS TURBINE: , MI SPARES	1	LUMPSUM	500.00
HALF SPLIT SLEEVES	3	EA	4.00
INTERMEDIATE OVERHAUL OF RGC	1	LUMPSUM	200.00
LUBE OIL PUMP FOR TRAIN A&B	1	EA	100.00
METALLIC GASKET	75	EA	5.00
NON-SPARKING TOOLS	*	SET	20.00
NP ENGINE SPARE	5	SET	5.00
OEM JOCKEY/FW PUMP SPARES SET	1	SET	3.00
OFFSITE PUMPS	1	EA	1500.00
PACKAGE ITEMS & EXTRUDER	2	LUMPSUM	37365.00
RAILWAY TRACK MAINTENANCE SPARES	1	SET	200.00
REACTORS	2	EA	12147.00
REFURBISHMENT OF DRY GAS SEAL	1	LUMPSUM	200.00
REFURBISHMENT OF MECHANICAL SEALS OF MAINLINE PUMPS	2	LUMPSUM	20.00
REFURBISHMENT OF ROTOR OF LPG OPUMP	1	LUMPSUM	81.05
SPARES FOR LPG PUMPS MAIN LINE KSPL1 & 2	1	SET	50.00
SPARES FOR VARIOUS LIQUID HYDROCARBON LOADING ARMS	*	SET	50.00
STORAGE VESSELS	1	EA	18429.00
SW GASKETS OF DIFFERENT SIZES AND PRESSURE CLASS	300	EA	5.50
TANKS / VESSELS	3	EA	24856.00



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<b>DESCRIPTION</b>	<b>QUANTITY</b>	<b>UOM</b>	<b>APPROX. VALUE (INR CRORES)</b>
TOOLS	*	EA	5.00
UTILITY PACKAGES	1	LUMPSUM	1627.00
VESSELS	1	EA	4600.00
<b>MISC</b>			
ANY OTHER MISC ITEM	10	EA	10.00
SPARES - PIPELINE, ELECTRICAL & MECHANICAL	1	SET	115.00
SPARES FOR EQUIPMENTS LIKE DG SET, FIRE ENGINES, PUMPS, ETC.	LUMPSUM	SET	5.00
<b>PIPES &amp; PIPES FITTINGS</b>			
ASSORTED PIPES	4	METERS	2200.00
CLOCK SPRING	3	EA	3.00
FLANGES & FITTINGS	4	SET	1150.00
FLOW TEES ( VARIOUS SIZES 24"/18"/12")	60	EA	650.00
LINE PIPE ( VARIOUS SIZES)	865	KMS	98000.00
PIPING & PIPE FITTINGS	6	SET	10.00
SCRAPER LAUNCHER RECEIVER ( VARIOUS SIZES 24"/18"/12")	30	EA	900.00
SPARES FOR VALVES, AND PIPE FITTINGS.	*	SET	20.00
SPARES OF PIPE LEAK REPAIR CLAMPS AND SLEEVES	*	SET	20.00



GAIL/ND/C&P/Procurement Plan/2022-2027

DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
<b>SAFETY</b>			
F&S SPARES AND EQUIPMENTS	20	SET	10.00
FIRE & SAFETY SYSTEM SPARES	*	SET	47.00
FIRE EXTINGUISHERS OF VARIOUS CAPACITY	50	EA	5.00
SAFETY KITS & LEVERIES	25	SET	3.00
SPARES (F&S)	*	SET	5.00
SPARES FOR CO2 SYSTEM.	15	SET	5.00
BREATHING APPARTUS	5	SET	11.00
FIRE DELIVERY HOSE	150	EA	11.00
FIRE FIGHTING SYSTEM	1	LUMPSUM	1000.00
GAS FLOODING SYSTEM-REFILLING	1	LUMPSUM	20.00
INTRINSICALLY SAFETY LAMPS & TORCHES	25	EA	8.00
MULTI PURPOSE FIRE TENDER	3	EA	400.00
PPES	VARIOUS TYPE	EA	9.00
<b>TELECOM</b>			
CONSUMABLES FOR TELECOM SYSTEMS	LOT	LOT	5.00
EPABX	3	LUMPSUM	80.00
SPARES (GAILTEL)	*	SET	10.00



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<b>DESCRIPTION</b>	<b>QUANTITY</b>	<b>UOM</b>	<b>APPROX. VALUE (INR CRORES)</b>
SPARES FOR TELECOM/SCADA/IT SYSTEMS	*	SET	5.00
IA/PA SYSTEM	1	LUMPSUM	511.00
PA SYSTEM	1	LUMPSUM	5.00
TELECOM EQUIPMENT	LOT	EA	77.00
<b>LEGAL</b>			
INTERNATIONAL LAW FIRM PROVIDING SPECIALIZED CONSULTANCY SERVICES.	625 MAN-HOURS (ESTIMATED)	RATE PER BLENDED MAN-HOUR (USD)	USD 291359 = INR 2,41,27,439



**2023-24**

DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
<b>CHEMICAL / CATALYST / GAS</b>			
AMINOSOL	228	LITRES	513.00
ACTIVATED CHARCOAL	90	MT	116.86
ALUM	100	MT	11.00
ARC OF CALIBRATION GASES FOR AKM LAB	2	LUMPSUM	3.00
CARBON MOLECULAR SEIVES (CMS)	*	EA	60.00
CHEMICALS AND CONSUMABLES	1	LITERS	2.00
COATING MATERIAL	1	LITERS	10.00
DIESEL (KL)	84	KL	58.34
ETHYL MERCAPTAN (MT)	20	MT	120.00
HCL (MT)	1500	MT	25.00
HYDRAZINE (MT)	4	MT	25.00
LIQUID NITROGEN	600	MT	180.00
LUBE OILS	11	KL	6.00
METHANOL	*	MT	16.21
MORPHOLINE	9	MT	40.00
NAOH (100%)	150	MT	70.00
POLY ALUMINUM CHLORIDE (PAC)	10	MT	50.00
PROCUREMENT OF MINERAL OILS IN LITRES (SERVO PRIME32, PRIME46, PRIME30, SYSTEM30, SYSTEM68, SYSTEM220, PRESS100, PRESS68, FRIZ68, PREMIUM CF4, SYSTEM 320, SYSTEM HLP 46, ISO VG 32, GEM EP2 )	7000	LITERS	52.50



GAIL/ND/C&P/Procurement Plan/2022-2027

DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
REFILLING OF ARGONITE CYLINDERS	100	EA	7.00
REFILLING OF CO2 CYLINDERS	144	EA	8.00
SODIUM CHLORITE	800	MT	900.00
SODIUM HYPOCHLORITE	240	MT	30.00
SULPHURIC ACID	100	MT	10.00
SYNTHETIC OIL (MOBIL JET)	3000	LITRES	22.50
TSP	6	MT	5.00
AFFF	2500	LITRES	7.00
CATALYST & CHEMICALS	2	LITRES / MT	20253.00
ETHYL MERCAPTAN	14,240	KGS	0.79
<b>ELECTRICAL</b>			
33 KV GRID POWER CONNECTION	1	EA	5.00
ACB (AIR CIRCUIT BREAKR)	20	EA	60.00
AIR CONDITIONER FOR & WATER COOLER	26	EA	45.00
BATTERIES (BATTERY BANK & CHARGER)	193	EA	290.00
DEG-1350 KVA-SPARES	11	SET	11.00
DRAYER MOV OF PH1 AND PH2	8	EA	45.00
ELECTRICAL	6021	EA	76.00
ENERGY EFFICIENT MOTOR	9	EA	26.00
FCBC	5	EA	25.00
FLP/LED LIGHTING SYSTEM	40	LUMPSUM	6.00
HT BREAKERS	7	EA	70.00
INDUSTRIAL UPS /ONLINE UPS	2	EA	10.00
INSULATING JOINTS (VARIOUSSIZE)	*	EA	40.00
LED LIGHTS	200	EA	4.00



**GAIL/ND/C&P/Procurement Plan/2022-2027**

DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
LIGHTING CONSUMABLES INCLUDING EX-D OUTDOOR LIGHTS	35	EA	32.00
MOTORS	3	EA	30.00
MISCELLANEOUS ITEMS (MULTIMETERS, CONVERTER, KIRK CELLS, PORTABLE GENERATORS, SOLAR POLE LIGHTS, HIGH MASTS, WIRES, CABLES, FANS, HEATERS, AIR-CONDITIONERS ETC.)	26	SET	620.00
MOTOR OPERATED VALVES	2	EA	1.00
POWER SUPPLIES	6	EA	3.00
SOLAR CHARGE CONTROLLER REPLACEMENT BNPL, CJPL	10	LUMPSUM	50.00
SPARES (CP/ELECTRICAL)	*	SET	40.00
SPARES FOR DEG SET	51	SET	30.00
SPARES PARTS OF VARIOUS ELECTRICAL EQUIPMENT'S	30	SET	30.00
UPS	4	EA	147.00
VARIOUS ELECTRICAL CONSUMABLES	50	EA	55.00
VSD FOR PUMP	60	EA	55.00
DC -DC CONVERTER	4	EA	1.00
DG SET	2	EA	8.00
UP GRADATION OF MC GRILL VSD	*	LUMPSUM	150.00
LT BREAKER RETROFITTING	24	LUMPSUM	103.00
REPLACEMENT OF EXISTING SPLIT ACS WITH ENERGY EFFICIENT SPLIT ACS	25	LUMPSUM	15.00
REPLACEMENT OF VFD	2	LUMPSUM	200.00
RT62 POWER TURBINE MAJOR SPARES	*	SET	900.00
RTD PT100 4 WIRE	5	METERS	1.00





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DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
<b>INSTRUMENTATION</b>			
AIR FILTER FOR GTC & GEG VENTILATION	1388	LUMPSUM	105.00
ANALYSERS	1	EA	50.00
CCTV SYSTEM & CAMERA	17	SET	1463.00
CONTROL VALVES	75	EA	150.00
DCS SYSTEMS HARDWARE/SOFTWARE	1	LUMPSUM	400.00
DP TRANSMITTER	5	EA	3.00
ELECTRICAL MEASURING INSTRUMENTS	4	EA	52.00
FIELD INSTRUMENTS	350	EA	350.00
FLOW COMPUTER	15	EA	80.00
FLOW COMPUTER SPARES	6	EA	110.00
GAS DETECTION SYSTEM -NEW SYSTEM PROCUREMENT	40	LUMPSUM	105.00
GAS TURBINE COMPRESSOR (GTC) INST. SPARES IMPORTED	3	SET	64.00
GC SPARES AND CALIBRATION GAS	1	LOT	52.00
GEG PLC OBSOLETE FRONTEND UPGRADATION	80	LUMPSUM	100.00
GPU DCS OBSOLETE FRONT-END UPGRADATION	50	LUMPSUM	5.50
GTC KC5 INSTRUMENTATION SPARES	1	SET	50.00
H2O/H2S ANNALYSER MAINTENANCE & SPARES	2	SET	8.00
LEL SYSTEM	11	LUMPSUM	54.00



**GAIL/ND/C&P/Procurement Plan/2022-2027**

DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
MASS FLOW METER	*	EA	5.00
MASTER EQUIPMENTS: DEAD WEIGHT TESTER, TEMPERATURE BATH, MULTIMETERS AND MULTIFUNCTION CALIBRATORS, OSCILLOSCOPE	10	SET	25.00
MEASURING INSTRUMENTS	5	EA	5.00
METERING SKID	30	EA	620.00
MISCELLANEOUS INSTRUMENTS FIELD & PANEL INSTRUMENTS ,CABLES ,FITTINGS ETC	30	SET	50.00
PROCUREMENT FOR MASS FLOW METERS AT IPS MANSARAMPURA & TOT-02	1	EA	15.00
NEW PRS/UPGRADATION OF PRESSURE REDUCTION SYSTEM	2	LUMPSUM	70.00
OFC	1	KMS	400.00
PCV & FCV REPLACEMENT	*	LUMPSUM	60.00
PLC SYSTEM	3	LUMPSUM	750.00
PRESSURE/DIFF. PRESSURE/ TEMPERATURE TRANSMITTERS	12	EA	10.00
PROCURMENT OF ROCKWELL PLC SPARES	5	SET	5.00
PSV CALIBRATION & SPARES	33	SET	4.00
SPARES & CONSUMABLES FOR AGILENT GC SULPHUR ANALYSER	1	SET	50.00
SPARES (INSTRUMENTATION/METERING) (FC/GC/USM/TFM/RPD/PRS/GDS/PLC ETC.)	*	SET	135.00
SPARES FOR BRUKER XRD SYSTEM & ACCESSORIES	1	SET	10.00



GAIL/ND/C&P/Procurement Plan/2022-2027

DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
SPARES FOR FLOWMETERS	*	SET	50.00
SPARES FOR GAS CHROMATOGRAPH	10	SET	70.00
SPARES PROCUREMENT FOR INST	*	SET	5.00
TEMP GAUGE	10	EA	0.50
TETRA SYSTEM	1	LUMPSUM	7.00
TFM SPARES & CALIBRATION	9	LUMPSUM	10.00
TR UNIT	2	EA	1000.00
TURBINE FLOW METER & ITS SPARES	10	EA	25.00
USM UPGRADATION	3	LUMPSUM	50.00
NEW PCV/SDV	*	EA	100.00
XA CARD FOR TJ1410 TEJAS SDH EQUIPMENT	1	EA	2.00
CPU CARD OF RTU	2	EA	2.00
ESD PLC OBSOLETE FRONTEND UPGRADATION	1	LUMPSUM	50.00
PIDS EQUIPMENT	3	EA	450.00
PROCUREMENT OF BENTLY NEVEDA VIBRATION MONITORING SYSTEM SPARES	10	SET	15.00
SPARES FOR FISHER MAKE FUEL GAS PCVS FOR GTG	1	SET	20.00
<b>IT</b>			
PRINTERS & CARTRIDGES	32	EA	3.00
<b>MECHANICAL</b>			
BALL VALVES ( VARIOUS SIZES)	4	EA	500.00
FORKLIFT SPARES FOR JHABUA	28	EA	3.00



**GAIL/ND/C&P/Procurement Plan/2022-2027**

DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
BASKET FILTER & SPARES	2	SET	2.00
DIESEL ENGINE SPARES	1	SET	50.00
DR COMPRESSOR SPARES	5	SET	5.00
FILTER SEPARATOR ELEMENTS FOR GREP	128	EA	5.76
FILTER SEPARATOR ELEMENTS FOR HVJ	168	EA	13.12
FW PUMP-SPARES	2	SET	2.00
GASKET	11	LOT	5.00
HARDWARES	*	EA	20.00
HPU SPARES	17	SET	35.00
IA COMPRESSOR SPARES	50	SET	10.00
KB5 ENGINE SPARE	*	SET	30.00
KC5 ENGINE SPARE	*	SET	50.00
LPG PUMP ROTOR	1	EA	170.00
LUBE OIL FILTERS FOR ALL MAHCINES ( DEG, GTG, RRGTC, NPGTC, DRGTC)	20	LITERS	30.00
MECHANICAL SEAL	10	EA	474.00
MISCELLANEOUS PIG	5	EA	10.00
NP COMPRESSOR SPARES	4	SET	4.00
O&M SPARES FOR GAS ENGINE GENERATOR (GEG)	18	SET	30.00
OEM FLOWSERVE LPG PUMP MECH SEAL SET(DE/NDE)	2	SET	60.00
OVERHAUL OF TURBINE & ENGINE	1	LUMPSUM	1250.00
PRESSURE REGULATOR VALVES SPARES -M/S PIETRO FIORENTININ MAKE	27	EA	13.00
VSD FOR PUMP	1	EA	40.00



GAIL/ND/C&P/Procurement Plan/2022-2027

DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
PRS SPARES	30	SET	40.00
PURCHASE OF SPAPERS FOR ENGINES & TURBINES	5	SET	1050.00
PURCHASE OF VARIOUS FILTERS	1	EA	100.00
PURCHASE OF VARIOUS PUMPS SPARES	1	SET	200.00
RB-211 DLE SPARES	51	SET	200.00
RR COMPRESSOR SPARES	15	SET	10.00
SEALANTS	5	EA	2.00
SPARE PARTS OF STEAM TURBINE	1	SET	150.00
SPARES FOR FEED GAS FILTER ELEMENTS AND SEALS	LUMPSUM	SET	30.00
SPARES FOR INSTT. AIR COMPRESSOR & IA DRYER	35	SET	6.00
SPARES FOR MAJOR MAINT OF GAS ENGINE GENERATOR (GEG)	40	0	50.00
SPARES FOR PRS	LS	0	90.00
SPARES OF GASKETS	*	SET	10.00
SPLIT SLEEVES (CS) (30")	3	EA	8.49
TOOLS & TACKLES	10	EA	15.00
TOOLS AND TACKELS FOR MECHANICAL DEPARTMENT	50	EA	1.50
VALVE SEALANT	1	EA	10.00
VALVES	15	EA	12.00
VARIOUS PUMP SPARES	1	EA	250.00
VARIOUS TYPES OF CLEANING PIGS	12	EA	5.00



GAIL/ND/C&P/Procurement Plan/2022-2027

DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
VARIOUS WORKSHOP MACHINES & MATERIAL HANDLING EQUIPMENT'S, CT1 CT2 FILL PACK.	1	EA	300.00
EXPANDER COMPRESSOR SPARES	1	SET	1000.00
PROCUREMENTS SPARES FOR VARIOUS PACKAGES (IA, N2, GEG, ETC.)	20	SET	3.00
SPARES FOR FW ENGINE	1	SET	3.00
SPARES FOR JOCKEY PUMP	1	SET	2.00
SPARES FOR MAIN FIRE WATER PUMP	1	SET	2.00
SPARES FOR RAW WATER PUMP	1	MT	2.00
<b>MISC</b>			
ANY OTHER MISC ITEM	10	EA	10.00
SPARES - PIPELINE, ELECTRICAL & MECHANICAL	1	SET	125.00
SPARES FOR EQUIPMENTS LIKE DG SET, FIRE ENGINES, PUMPS, ETC.	LUMPSUM	SET	10.00
<b>PIPES &amp; PIPES FITTINGS</b>			
ASSORTED PIPES	*	METERS	200.00
FLANGES & FITTINGS	*	SET	150.00
FLOW TEES ( VARIOUS SIZES 24"/18"/12")	*	EA	100.00
LINE PIPE ( VARIOUS SIZES)	600	KMS	75000.00
PIPING & PIPE FITTINGS	25	SET	50.00
SCRAPER LAUNCHER RECEIVER ( VARIOUS SIZES 24"/18"/12")	*	EA	150.00



**GAIL/ND/C&P/Procurement Plan/2022-2027**

DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
SPARES FOR PROCESS PIPING / FW NETWORK	1	0	5.00
SPARES FOR VALVES, AND PIPE FITTINGS.	*	SET	20.00
<b>SAFETY</b>			
ELECTRICAL SAFETY DEVICES ( MATS )	500	EA	3.00
F&S SPARES AND EQUIPMENTS	20	SET	10.00
FIRE & SAFETY SYSTEM SPARES	*	SET	52.00
FIRE EXTINGUISHERS OF VARIOUS CAPACITY	50	EA	5.00
FIRE PROMIXY SUITS	6	EA	4.00
SAFETY KITS & LEVERIES	25	SET	4.00
SPARES (F&S)	*	SET	5.00
SPARES FOR CO2 SYSTEM.	20	SET	10.00
FIRE DELIVERY HOSE	70	EA	4.00
<b>TELECOM</b>			
CONSUMABLES FOR TELECOM SYSTEMS	LOT	LOT	5.00
EPABX	3	LUMPSUM	46.00
SPARES (GAILTEL)	*	SET	10.00
SPARES FOR TELECOM/SCADA/IT SYSTEMS	*	SET	5.00
<b>LEGAL</b>			
INTERNATIONAL LAW FIRM PROVIDING SPECIALIZED CONSULTANCY SERVICES.	625 MAN-HOURS (ESTIMATED)	RATE PER BLENDED MAN-HOUR (USD)	USD 291359 = INR 2,41,27,439
<b>OTHERS</b>			
ALUMINIUM PLATE FIN HEAT EXCHANGER ( MULTIPLE PASS)	02	EA	6.16



**2024-25**

DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
<b>CHEMICAL / CATALYST / GAS</b>			
AMINOSOL	228	LITRES	538.00
ACTIVATED ALUMINA	10	MT	50.00
ACTIVATED CHARCOAL	90	MT	122.70
ALUM	100	MT	12.00
ARC OF CALIBRATION GASES FOR AKM LAB	1	LUMPSUM	1.00
CERAMIC BALLS -LPG	24	MT	12.16
CHEMICALS AND CONSUMABLES	1	LITERS	2.00
COATING MATERIAL	8	LITERS	37.00
DIESEL (KL)	84	KL	61.26
ETHYL MERCAPTAN (MT)	20	MT	120.00
HCL (MT)	1500	MT	25.00
HYDRAZINE (MT)	4	MT	25.00
LIQUID NITROGEN	600	MT	180.00
LUBE OILS	11	KL	6.00
METHANOL	50	MT	17.02
MOLECULAR SIEVES- LPG	392	MT	694.00
MORPHOLINE	9	MT	40.00
NAOH (100%)	150	MT	70.00
POLY ALUMINUM CHLORIDE (PAC)	10	MT	50.00





**GAIL/ND/C&P/Procurement Plan/2022-2027**

DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
PROCUREMENT OF MINERAL OILS IN LITRES (SERVO PRIME32, PRIME46, PRIDE30, SYSTEM30, SYSTEM68, SYSTEM220, PRESS100, PRESS68, FRIZ68, PREMIUM CF4, SYSTEM 320, SYSTEM HLP 46, ISO VG 32, GEM EP2 )	7000	LITERS	52.50
REFILLING OF ARGONITE CYLINDERS	100	EA	8.00
REFILLING OF CO2 CYLINDERS	144	EA	8.00
SODIUM CHLORITE	800	MT	1000.00
SODIUM HYPOCHLORITE	240	MT	30.00
SULPHURIC ACID	100	MT	10.00
SYNTHETIC OIL (MOBIL JET)	3000	LITRES	22.50
TSP	6	MT	5.00
HELIUM GAS CYLINDERS	150	EA	40.00
N2 PLANTS CMS REPLACEMENT	2	LUMPSUM	20.00
ACTIVATED CARBON	100	EA	200.00
ION EXCHANGE RESINS	10	LUMPSUM	400.00
ETHYL MERCAPTAN	14,240	KGS	0.79
<b>CIVIL</b>			
CEMENT SLAB (PIPELINE PROTECTION SLAB)	100	EA	40.00
<b>ELECTRICAL</b>			
33 KV GRID POWER CONNECTION	1	EA	5.00
AIR CONDITIONER FOR & WATER COOLER	38	EA	24.00
APFC CAPACITORS	20	EA	1.00
ASB PANELS OF SS-2 AND 4	1	EA	30.00
BATTERIES (BATTERY BANK & CHARGER)	23	EA	320.00
BUS DUCT OF DISTRIBUTION TRANSFORMER	2	EA	12.00



**GAIL/ND/C&P/Procurement Plan/2022-2027**

<b>DESCRIPTION</b>	<b>QUANTITY</b>	<b>UOM</b>	<b>APPROX. VALUE (INR CRORES)</b>
DEG-1350 KVA-SPARES	5	SET	1.00
ELECTRICAL	5527	EA	77.00
ENERGY EFFICIENT MOTOR	9	EA	26.00
FCBC	5	EA	40.00
FLP/LED LIGHTING SYSTEM	40	LUMPSUM	6.00
HT BREAKERS	7	EA	70.00
INDUSTRIAL UPS /ONLINE UPS	3	EA	25.00
LIGHTING CONSUMABLES INCLUDING EX-D OUTDOOR LIGHTS	35	EA	32.00
MOTORS	25	EA	25.00
MISCELLANEOUS ITEMS (MULTIMETERS, CONVERTER, KIRK CELLS, PORTABLE GENERATORS, SOLAR POLE LIGHTS, HIGH MASTS, WIRES, CABLES, FANS, HEATERS, AIR-CONDITIONERS ETC.)	26	SET	620.00
POWER SUPPLIES	6	EA	6.00
SPARES (CP/ELECTRICAL)	*	SET	40.00
SPARES FOR DEG SET	*	SET	25.00
SPARES PARTS OF VARIOUS ELECTRICAL EQUIPMENT'S	30	SET	30.00
UPS	4	EA	47.00
VARIOUS ELECTRICAL CONSUMABLES	50	EA	50.00
VSD FOR PUMP	50	EA	50.00
CONTACTORS & RELAYS	*	EA	1.00
DG SET	1	EA	5.00



GAIL/ND/C&P/Procurement Plan/2022-2027

DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
<b>INSTRUMENTATION</b>			
ACTUATOR	5	EA	44.00
AIR FILTER FOR GTC & GEG VENTILATION	1464	LUMPSUM	80.00
BIFFI ACTUATOR SPARES	10	SET	50.00
CCTV SYSTEM & CAMERA	*	SET	14.00
CONTROL VALVES	50	EA	170.00
DCS SYSTEMS HARDWARE/SOFTWARE	1	LUMPSUM	400.00
ELECTRICAL MEASURING INSTRUMENTS	2	EA	51.00
ER PROBE DATA LOGGERS	3	EA	25.00
FIELD INSTRUMENTS	353	EA	353.00
FLOW COMPUTER	10	EA	60.00
FLOW COMPUTER SPARES	4	EA	15.00
GAS DETECTION SYSTEM -NEW SYSTEM PROCUREMENT	5	LUMPSUM	60.00
GAS ENGINE GENERATOR (GEG) INST. SPARES	1	SET	3.00
GAS TURBINE COMPRESSOR (GTC) INST. SPARES IMPORTED	3	SET	48.00
GC SPARES AND CALIBRATION GAS	1	LOT	90.00
H2O/H2S ANNALYSER MAINTENANCE & SPARES	2	SET	8.00
HEAT TRACER PANEL	4	EA	50.00
LEL SYSTEM	60	LUMPSUM	245.00
MEASURING INSTRUMENTS	13	EA	10.00
METERING SKID	25	EA	160.00



**GAIL/ND/C&P/Procurement Plan/2022-2027**

DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
PCV & FCV REPLACEMENT	2	LUMPSUM	55.00
PIPELINE LOCATOR	8	EA	70.00
PLC SYSTEM	2	LUMPSUM	500.00
PRESSURE/DIFF. PRESSURE/ TEMPERATURE TRANSMITTERS	15	EA	8.00
PROCUREMENT OF CONTROL VALVE AND PSV'S SPARES	5	SET	5.00
PROCUREMENT OF ROCKWELL PLC SPARES	5	SET	10.00
PSV CALIBRATION & SPARES	33	SET	4.00
S600 PLUS FC SPARES	4	SET	10.00
SCADA SYSTEM	30	LUMPSUM	840.00
SPARE FLOWMETERS- TURBINE AND PD METERS	10	SET	50.00
SPARE PRESSURE REDUCTION SYSTEM (PCV,SSV)	5	LUMPSUM	50.00
SPARES (INSTRUMENTATION/METERING) (FC/GC/USM/TFM/RPD/PRS/GDS/PLC ETC.)	*	SET	135.00
SPARES FOR BENTLY NEWADA SPARES FOR RR,DR AND GTG	1	SET	10.00
SPARES FOR FLOWMETERS	*	SET	50.00
SPARES FOR GAS CHROMATOGRAPH	5	SET	60.00
SPARES PROCUREMENT FOR INST	*	SET	5.00
TEMP GAUGE	10	EA	0.50
TEMP TRANSMITTER	5	EA	2.00
TFM SPARES & CALIBRATION	6	LUMPSUM	8.00



GAIL/ND/C&P/Procurement Plan/2022-2027

DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
TR UNIT	3	EA	3600.00
TRANSMITTERS	20	EA	15.00
TURBINE FLOW METER & ITS SPARES	10	EA	25.00
USM UPGRADATION	*	LUMPSUM	10.00
SPARES FOR DET-TRONICS MAKE LEL GAS DETECTION SYSTEMS	1	SET	30.00
SPARES FOR ROCKWELL PLC	1	LOT	10.00
RPD METER	5	EA	20.00
LEL DETECTOR		NOS.	
<b>IT</b>			
PRINTERS & CARTRIDGES	32	EA	3.00
<b>MECHANICAL</b>			
BLEED VALVE OVERHAULING	16	LUMPSUM	16.13
FILTER SEPARATOR ELEMENTS FOR GREP	128	EA	5.76
FILTER SEPARATOR ELEMENTS FOR HVJ	168	EA	13.12
FW PUMP-SPARES	2	SET	1.00
GASKET	*	LOT	1.00
HEAT EXCHANGERS	3	EA	200.00
HPU SPARES	5	SET	31.00
HVAC	25	EA	20.00
KB5 ENGINE SPARE	25	SET	40.00
KC5 ENGINE SPARE	15	SET	8.00
MECHANICAL SEAL	7	EA	304.00
MISCELLANEOUS PIG	5	EA	10.00



**GAIL/ND/C&P/Procurement Plan/2022-2027**

DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
BEARINGS	2	EA	8.00
NITROGEN PLANT SPARES	12	SET	8.00
O&M SPARES FOR GAS ENGINE GENERATOR (GEG)	20	SET	35.00
OVERHAUL OF TURBINE & ENGINE	1	LUMPSUM	9500.00
PIGGING & MATERIAL	*	LOT	5.00
PRESSURE REGULATOR VALVES SPARES -M/S PIETRO FIORENTININ MAKE	85	EA	121.00
PROCUREMENT OF GEG SPARES	15	SET	15.00
PRS SPARES	40	SET	50.00
PURCHASE OF SPAPERS FOR ENGINES & TURBINES	3	SET	600.00
PURCHASE OF VARIOUS PUMPS SPARES	2	SET	200.00
RB-211 DLE SPARES	25	SET	100.00
SEALANTS	2	EA	3.00
SPARES FOR FEED GAS FILTER ELEMENTS AND SEALS	LUMPSUM	SET	20.00
SPARES FOR FW PUMPS & ENINGES	10	SET	1.00
SPARES FOR INSTT. AIR COMPRESSOR & IA DRYER	40	SET	18.00
SPARES FOR MAJOR MAINT OF GAS ENGINE GENERATOR (GEG)	130	0	400.00
SPARES OF GASKETS	*	SET	5.00
SPARES OF PRC	1	SET	300.00
TOOLS & TACKLES	*	EA	5.00
TOOLS AND TACKELS FOR MECHANICAL DEPARTMENT	100	EA	3.00



**GAIL/ND/C&P/Procurement Plan/2022-2027**

DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
VALVES	19	EA	47.00
VARIOUS TYPES OF CLEANING PIGS	12	EA	5.00
FILTER ELEMENT OF DRY GAS FILTER AND FILTER SEPERATOR	*	EA	16.00
FILTER ELEMENTS	12	EA	40.00
FILTER SEPARATOR ELEMENTS FOR DVPL-2	188	EA	0.18
GAS TURBINE: , MI SPARES	1	LUMPSUM	1500.00
LUBE OIL PUMP FOR TRAIN A&B	1	EA	100.00
NP ENGINE SPARE	5	SET	5.00
OEM JOCKEY/FW PUMP SPARES SET	1	SET	3.00
REFURBISHMENT OF DRY GAS SEAL	1	LUMPSUM	220.00
REFURBISHMENT OF MECHANICAL SEALS OF MAINLINE PUMPS	2	LUMPSUM	25.00
REFURBISHMENT OF ROTOR OF LPG OPUMP	1	LUMPSUM	101.31
SW GASKETS OF DIFFERENT SIZES AND PRESSURE CLASS	300	EA	5.50
FOAM TROLLEY	*	EA	18.00
PNEUMATIC VALVES FOR CO2 / ARGONITE FLOODING SYATEMS	30	EA	15.00
<b>MISC</b>			
ANY OTHER MISC ITEM	10	EA	10.00
SPARES - PIPELINE,ELECTRICAL & MECHANICAL	1	SET	125.00
SPARES FOR EQUIPMENTS LIKE DG SET, FIRE ENGINES, PUMPS, ETC.	LUMPSUM	SET	5.00



GAIL/ND/C&P/Procurement Plan/2022-2027

DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
<b>PIPES &amp; PIPES FITTINGS</b>			
CLOCK SPRING	10	EA	80.00
LINE PIPE ( VARIOUS SIZES)	600	KMS	75000.00
PIPING & PIPE FITTINGS	6	SET	15.00
SPARES FOR VALVES, AND PIPE FITTINGS.	*	SET	20.00
SPARES OF PIPE LEAK REPAIR CLAMPS AND SLEEVES	*	SET	20.00
<b>SAFETY</b>			
BA SETS AND CYLINDERS	2	SET	30.00
F&S SPARES AND EQUIPMENTS	20	SET	10.00
FIRE & SAFETY SYSTEM SPARES	*	SET	42.00
FIRE EXTINGUISHERS OF VARIOUS CAPACITY	295	EA	50.00
FIRE PROMIXY SUITS	5	EA	12.00
LPG SUITS	5	EA	10.00
PROCURMENT OF FIRE AND GAS DETECTOR SPARES	5	SET	5.00
SAFETY KITS & LEVERIES	25	SET	4.00
SPARES (F&S)	*	SET	5.00
SPARES FOR CO2 SYSTEM.	12	SET	20.00
BREATHING APPARTUS	5	SET	12.00
FIRE DELIVERY HOSE	80	EA	8.00
GAS FLOODING SYSTEM-REFILLING	3	LUMPSUM	91.00
INTRINSICALLY SAFETY LAMPS & TORCHES	25	EA	8.00
PPES	VARIOUS TYPE	EA	10.00
FIRE MONITORS	*	EA	12.00





GAIL/ND/C&P/Procurement Plan/2022-2027

DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
FIRE BRANCHES	*	MT	7.00
SAFETY LADDERS PROCUREMENT	5	0	10.00
<b>TELECOM</b>			
CONSUMABLES FOR TELECOM SYSTEMS	LOT	LOT	5.00
SPARES (GAILTEL)	*	SET	10.00
SPARES FOR TELECOM/SCADA/IT SYSTEMS	*	SET	5.00
TELECOM EQUIPMENT	LOT	EA	1017.00
<b>LEGAL</b>			
INTERNATIONAL LAW FIRM PROVIDING SPECIALIZED CONSULTANCY SERVICES.	625 MAN-HOURS (ESTIMATED)	RATE PER BLENDED MAN-HOUR (USD)	USD 291359 = INR 2,41,27,439



**2025-26**

DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
<b>CHEMICAL / CATALYST / GAS</b>			
AMINOSOL	228	LITRES	501.00
ACTIVATED ALUMINA	3	MT	25.00
ACTIVATED CHARCOAL	90	MT	114.21
ALUM	100	MT	11.00
ARC OF CALIBRATION GASES FOR AKM LAB	2	LUMPSUM	2.00
CARBON MOLECULAR SEIVES (CMS)	4	EA	30.00
CERAMIC BALLS -LPG	12	MT	5.55
CHEMICALS AND CONSUMABLES	1	LITERS	2.00
COATING MATERIAL	5	LITERS	27.25
DIESEL (KL)	84	KL	57.02
ETHYL MERCAPTAN (MT)	20	MT	115.00
HCL (MT)	1500	MT	23.75
HYDRAZINE (MT)	4	MT	23.75
LIQUID NITROGEN	600	MT	172.50
LUBE OILS	11	KL	6.00
METHANOL	50	MT	15.84
MOLECULAR SIEVES- LPG	122	MT	213.70



**GAIL/ND/C&P/Procurement Plan/2022-2027**

DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
MORPHOLINE	9	MT	37.50
NAOH (100%)	150	MT	67.50
POLY ALUMINUM CHLORIDE (PAC)	10	MT	50.00
PROCUREMENT OF MINERAL OILS IN LITRES (SERVO PRIME32, PRIME46, PRIME30, SYSTEM30, SYSTEM68, SYSTEM220, PRESS100, PRESS68, FRIZ68, PREMIUM CF4, SYSTEM 320, SYSTEM HLP 46, ISO VG 32, GEM EP2 )	7000	LITRES	52.50
REFILLING OF ARGONITE CYLINDERS	75	EA	7.00
REFILLING OF CO2 CYLINDERS	144	EA	7.50
SODIUM CHLORITE	800	MT	900.00
SODIUM HYPOCHLORITE	240	MT	27.50
SULPHURIC ACID	100	MT	10.00
SYNTHETIC OIL (MOBIL JET)	3000	LITRES	22.50
TSP	6	MT	5.00
HELIUM GAS CYLINDERS	75	EA	18.75
N2 PLANTS CMS REPLACEMENT	1	LUMPSUM	817.50
AFFF	625	LITRES	1.75
CATALYST & CHEMICALS	1	LITRES / MT	5063.25
ACTIVATED CARBON	25	EA	50.00
ION EXCHANGE RESINS	3	LUMPSUM	100.00
ETHYL MERCAPTAN	23,965	KGS	1.60
<b>CIVIL</b>			
MODULAR KITCHEN IN TOWNSHIP	4	LUMPSUM	9.50



**GAIL/ND/C&P/Procurement Plan/2022-2027**

DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
CONSTRUCTION	*	LUMPSUM	17.50
CEMENT SLAB (PIPELINE PROTECTION SLAB)	75	EA	30.00
<b>ELECTRICAL</b>			
1.35 MW DEG	*	EA	112.50
33 KV GRID POWER CONNECTION	1	EA	5.00
A 32 EXCITATION CONTROLLER (AVR) OF 2.7 MW GTG BRUSH ELECTRIC MAKE	*	EA	10.00
ACB (AIR CIRCUIT BREAKR)	15	EA	42.50
AIR CONDITIONER FOR & WATER COOLER	35	EA	29.75
APFC CAPACITORS	10	EA	0.50
ARMATURE & FIELD WGDG EXCITER 2000 DEG	*	EA	1.25
ASB PANELS OF SS-2 AND 4	1	EA	12.50
AVR FOR 2000 KVA DEG	*	EA	0.38
BATTERIES (BATTERY BANK & CHARGER)	75	EA	367.25
BUS DUCT OF DISTRIBUTION TRANSFORMER	2	EA	8.00
CHARGER (DC - DC CONVERTORS )	1	EA	3.75
COLD CUTTING MACHINE	*	EA	1.25
CONTACTORS	15	EA	4.04
CONTROL CARDS FOR VSD SIEMENS	*	EA	1.25
DEG-1350 KVA-SPARES	8	SET	6.00
DIODE WITH SUPRESSORS FOR 2000 DEG	*	EA	0.50
DRAYER MOV OF PH1 AND PH2	2	EA	22.50
ELECTRICAL	5650	EA	8250.25
ENERGY EFFICIENT FIXTURE	13	EA	0.25



**GAIL/ND/C&P/Procurement Plan/2022-2027**

DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
ENERGY EFFICIENT MOTOR	10	EA	26.00
FCBC	9	EA	45.75
FLAME LED PROOF LIGHT	1500	EA	75.00
FLOAT CUM BOOST CHARGERS	1	EA	2.50
FLP/LED LIGHTING SYSTEM	40	LUMPSUM	6.00
FUSES	38	EA	0.13
HIGH BAY LED LIGHTING	125	EA	8.75
HIGH MAST LIGHT	1	EA	3.00
HT BREAKERS	53	EA	454.50
HT TRANSFORMER	1	EA	12.50
INDUSTRIAL UPS /ONLINE UPS	2	EA	12.00
INSULATING JOINTS (VARIOUSSIZE)	46	EA	217.75
LED LIGHTS	100	EA	1.75
LIGHTING CONSUMABLES INCLUDING EX-D OUTDOOR LIGHTS	35	EA	32.00
MOTORS	18	EA	267.50
LV VFD	1	EA	12.50
MCC FEEDER	150	EA	93.75
MISCELLANEOUS ITEMS (MULTIMETERS, CONVERTER, KIRK CELLS, PORTABLE GENERATORS, SOLAR POLE LIGHTS, HIGH MASTS, WIRES, CABLES, FANS, HEATERS, AIR-CONDITIONERS ETC.)	26	SET	570.00
MOTOR OPERATED VALVES	3	EA	31.75
MV VFD	1	EA	50.00
NEUMERICAL RELAY	*	EA	6.25



**GAIL/ND/C&P/Procurement Plan/2022-2027**

DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
OLTC OF TRANSFORMER 130A AND 130B	1	LUMPSUM	12.50
ONLINE UPS, 5KVA FOR MALANPUR TERMINAL	*	EA	1.25
POWER SUPPLIES	6	EA	3.75
RE CONDITIONING OF 66 KV SWITCH YARD	*	LUMPSUM	5.00
RELAYS	15	EA	2.96
ROOF TOP SOLAR ENERGY PLANT	*	LUMPSUM	3.75
SF6 BREAKER	1	EA	7.50
SOLAR CHARGE CONTROLLER REPLACEMENT BNPL, CJPL	4	LUMPSUM	18.75
SOLAR ROOF TOP	2	LUMPSUM	8.75
SPARES (CP/ELECTRICAL)	*	SET	40.00
SPARES FOR DEG SET	51	SET	23.75
SPARES PARTS OF VARIOUS ELECTRICAL EQUIPMENT'S	29	SET	28.75
STARTER FOR DEG	1	EA	1.00
TRANSFORMER (10/12.5MVA)	4000	EA	16.00
UPS	5	EA	86.25
VARIABLE SPEED DRIVES	1	EA	25.00
VARIOUS ELECTRICAL CONSUMABLES	50	EA	52.50
VCB(VACCUUM CIRCUIT BREAKER)	8	EA	30.00
VSD FOR PUMP	58	EA	107.50
75KVA GEG (AGRA & FIROZABAD CGS)	1	EA	12.50
AIR COOLERS	*	EA	103.25
CONTACTORS & RELAYS	*	EA	0.50
DC -DC CONVERTER	4	EA	2.75
DG SET	2	EA	9.50



**GAIL/ND/C&P/Procurement Plan/2022-2027**

DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
FCBC CHARGER	3	EA	3.75
MOV 02NO	1	EA	4.00
OPTICAL PASSIVES	*	EA	12.50
REPLACEMENT OF OLD AC	9	LUMPSUM	5.00
REPLACEMENT OF OLD DUCTABLE AC WITH INVERTER TECHNOLOGY AC	*	LUMPSUM	2.00
SPARES & CONSUMABLES FOR ICP- OES SYSTEM	*	SET	2.50
UP GRADATION OF MC GRILL VSD	1	LUMPSUM	37.50
LT BREAKER RETROFITTING	6	LUMPSUM	25.75
REPLACEMENT OF EXISTING SPLIT ACS WITH ENERGY EFFICIENT SPLIT ACS	6	LUMPSUM	3.75
REPLACEMENT OF VFD	1	LUMPSUM	50.00
RT62 POWER TURBINE MAJOR SPARES	17	SET	225.00
RTD PT100 4 WIRE	1	METERS	0.25
<b>INSTRUMENTATION</b>			
ACTUATOR	3	EA	32.00
AIR FILTER FOR GTC & GEG VENTILATION	1427	LUMPSUM	103.50
ANALYSERS	1	EA	25.00
BIFFI ACTUATOR SPARES	5	SET	32.25
CCTV SYSTEM & CAMERA	12	SET	400.00
CONTROL SYSTEM SPARES	1	SET	3.75
CONTROL VALVES	62	EA	190.00
DCS SYSTEMS HARDWARE/SOFTWARE	1	LUMPSUM	500.00
DP TRANSMITTER	4	EA	2.00



**GAIL/ND/C&P/Procurement Plan/2022-2027**

<b>DESCRIPTION</b>	<b>QUANTITY</b>	<b>UOM</b>	<b>APPROX. VALUE (INR CRORES)</b>
ELECTRICAL MEASURING INSTRUMENTS	10	EA	55.00
ER PROBE DATA LOGGERS	11	EA	41.25
FIELD INSTRUMENTS	452	EA	382.25
FLOW COMPUTER	37	EA	230.50
FLOW COMPUTER SPARES	5	EA	47.50
GAS CHROMATOGRAPH	1	EA	37.50
GAS DETECTION SYSTEM -NEW SYSTEM PROCUREMENT	18	LUMPSUM	78.75
GAS ENGINE GENERATOR (GEG) INST. SPARES	1	SET	16.50
GAS TURBINE COMPRESSOR (GTC) INST. SPARES IMPORTED	3	SET	49.50
GC SPARES AND CALIBRATION GAS	1	LOT	62.25
GC UPGRADATION	2	LUMPSUM	87.50
GEG PLC OBSOLETE FRONTEND UPGRADATION	54	LUMPSUM	56.25
GPU DCS OBSOLETE FRONT-END UPGRADATION	62	LUMPSUM	4.75
GTC KC5 INSTRUMENTATION SPARES	1	SET	47.50
H2O/H2S ANNALYSER MAINTENANCE & SPARES	2	SET	7.50
HEAT TRACER PANEL	2	EA	25.00
HMI UPGRADATION: METER PROVER	1	EA	15.00
HMI/ENGG CONSOLE	4	EA	5.00
INSTRUMENT EQUIPMENTS	3	SET	6583.50
LEL SYSTEM	36	LUMPSUM	184.50
MASS FLOW METER	2	EA	44.25





**GAIL/ND/C&P/Procurement Plan/2022-2027**

DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
MASTER EQUIPMENTS: DEAD WEIGHT TESTER, TEMPERATURE BATH, MULTIMETERS AND MUTLIFUNCTION CALIBRATORS, OSCILLOSCOPE	3	SET	11.25
MEASURING INSTRUMENTS	8	EA	6.75
METERING SKID	31	EA	1679.00
MISCELLANEOUS INSTRUMENTS FIELD & PANEL INSTRUMENTS ,CABLES ,FITTINGS ETC	13	SET	18.75
MOISTURE & H2S ANALYZERS	1	EA	77.75
PROCUREMENT FOR MASS FLOW METERS AT IPS MANSARAMPURA & TOT-02	3	EA	29.25
NEW GC	1	EA	37.50
NEW PRS/UPGRADATION OF PRESSURE REDUCTION SYSTEM	1	LUMPSUM	30.00
OFC	1	KMS	240.00
PCV & FCV REPLACEMENT	5	LUMPSUM	110.25
PIPELINE INTRUSION DETECTION SYSTEM	*	LUMPSUM	87.50
PIPELINE LOCATOR	3	EA	30.00
PLC SYSTEM	8	LUMPSUM	560.75
PRESSURE/DIFF. PRESSURE/ TEMPERATURE TRANSMITTERS	11	EA	6.50
PROCURMENT OF CONTROL VALVE AND PSV'S SPARES	4	SET	2.50
PROCURMENT OF ROCKWELL PLC SPARES	6	SET	7.50
PSV CALIBRATION & SPARES	33	SET	3.50
RELAY UP GRADATION FOR IPS	3	LUMPSUM	5.00



GAIL/ND/C&P/Procurement Plan/2022-2027

DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
REPLACEMENT OF PLC AT DT RIL		LUMPSUM	75.00
S600 PLUS FC SPARES	2	SET	5.00
SCADA SYSTEM	11	LUMPSUM	270.00
SMOKE DETECTION SYSTEM FOR SV& IP	3	LUMPSUM	12.50
SPARE FLOWMETERS- TURBINE AND PD METERS	4	SET	20.00
SPARE PRESSURE REDUCTION SYSTEM (PCV,SSV)	3	LUMPSUM	25.00
SPARES & CONSUMABLES FOR AGILENT GC SULPHUR ANALYSER	1	SET	13.75
SPARES (INSTRUMENTATION/METERING) (FC/GC/USM/TFM/RPD/PRS/GDS/PLC ETC.)	*	SET	135.00
SPARES FOR BENTLY NEWADA SPARES FOR RR,DR AND GTG	1	SET	7.50
SPARES FOR BRUKER XRD SYSTEM & ACCESSORIES	1	SET	5.00
SPARES FOR FLOWMETERS	*	SET	35.00
SPARES FOR GAS CHROMATOGRAPH	9	SET	53.75
SPARES FOR HPU FOR SVS & IP	1	SET	12.50
SPARES PROCUREMENT FOR INST	*	SET	5.00
SV IN BPCL LINE	*	LUMPSUM	20.00
TEMP GAUGE	13	EA	0.50
TEMP TRANSMITTER	4	EA	1.75
TETRA SYSTEM	1	LUMPSUM	3.25
TFM SPARES & CALIBRATION	8	LUMPSUM	9.00



**GAIL/ND/C&P/Procurement Plan/2022-2027**

DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
TOTAL SULFUR ANALYSER	*	EA	19.25
TR UNIT	2	EA	1275.00
TRANSMITTERS	8	EA	6.25
TURBINE FLOW METER & ITS SPARES	10	EA	25.00
ULTRASONIC FLOW METER FOR NEEPCO & ROKHIA CTM	1	EA	18.75
USM UPGRADATION	4	LUMPSUM	83.75
VIBRATION MONITORING SYSTEM UPGRADATION	2	LUMPSUM	50.00
YOKOGAWA PLC SPARES	*	EA	12.50
HEATER AND THERMOSTAT FOR TRAIN GG LUBE OIL (CHROMALOX) 3.8 KW	*	EA	1331.00
NEW PCV/SDV	*	EA	75.00
PRIMARY CALIBRATION SYSTEM FOR HAZIRA	*	LUMPSUM	625.00
PROCUMENT OF CALIBRATION GAS	2	MT	1.50
REPLACEMENT OF BENTLEY NAVADA VIBRATION SYSTEM	*	LUMPSUM	37.50
SPARES FOR DET-TRONICS MAKE LEL GAS DETECTION SYSTEMS	1	SET	15.00
SPARES FOR ROCKWELL PLC	1	LOT	5.00
SURVEILLANCE MEASURES	*	LUMPSUM	5.00
TEST & MEASURING INSTRU.	*	EA	0.50
TESTING, CALIBRATION & MEASUREMENT INSTRUMENTS VIZ MULTIMETERS, MEGGAR, EARTH RESISTANCE TESTERS, MULTIFUNCTION CALIBRATOR, HART COMMUNICATOR ETC.	4	LUMPSUM	7.50



**GAIL/ND/C&P/Procurement Plan/2022-2027**

DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
TURBINE METER	1	EA	2.50
XA CARD FOR TJ1410 TEJAS SDH EQUIPMENT	1	EA	0.75
CPU CARD OF RTU	1	EA	0.50
ESD PLC OBSOLETE FRONTEND UPGRADATION	*	LUMPSUM	12.50
PIDS EQUIPMENT	1	EA	112.50
PROCUREMENT OF BENTLY NEVEDA VIBRATION MONITORING SYSTEM SPARES	3	SET	3.75
SPARES FOR FISHER MAKE FUEL GAS PCVS FOR GTG	*	SET	5.00
RPD METER	1	EA	5.00
<b>IT</b>			
PRINTERS & CARTRIDGES	32	EA	3.00
CYBER SECURITY	*	LUMPSUM	5.00
IT EQUIPMENT	*	LOT	12.50
<b>MECHANICAL</b>			
BALL VALVES ( VARIOUS SIZES)	85	EA	2579.50
FORKLIFT SPARES FOR JHABUA	14	EA	1.50
ACTUATOR VALVES	1	EA	25.00
AMINE PUMP & SPARES	1	EA	500.00
ANTISURGE CONTROLLER FOR GTC AND EXPANDER-COMPRESSOR	1	EA	25.00
ATMOSPHERIC PRESSURE STORAGE TANKS	1	EA	450.00



**GAIL/ND/C&P/Procurement Plan/2022-2027**

<b>DESCRIPTION</b>	<b>QUANTITY</b>	<b>UOM</b>	<b>APPROX. VALUE (INR CRORES)</b>
BASKET FILTER & SPARES	2	SET	13.00
BLEED VALVE OVERHAULING	10	LUMPSUM	7.78
CRADLE OF LPG PUMP	*	EA	3.50
CRYOGENIC PUMP (NO.)	*	EA	45.00
CT-3 FILLPACK	2	EA	125.00
DIESEL ENGINE SPARES	1	SET	25.00
DM COLUMN TRAYS	*	EA	26.00
DR COMPRESSOR SPARES	3	SET	2.50
FILTER SEPARATOR ELEMENTS FOR GREP	128	EA	5.76
FILTER SEPARATOR ELEMENTS FOR HVJ	168	EA	13.12
FORKLIFT	*	EA	3.75
FW PUMP-SPARES	2	SET	2.00
GASKET	11	LOT	3.25
HARDWARES	*	EA	7.50
HEAT EXCHANGERS	5	EA	3714.25
HPU SPARES	8	SET	34.00
HVAC	22	EA	44.25
HYPER GUN COMPRESSOR	*	EA	1.25
IA COMPRESSOR SPARES	25	SET	5.00
INSTRUMENT AIR COMPRESSOR	*	LUMPSUM	20.00
JOCKEY PUMP & MOTOR/ RAW WATER	1	EA	3.38
KB5 ENGINE SPARE	17	SET	32.50
KC5 ENGINE SPARE	10	SET	29.00
LADDERS (TELESCOPIC, SELF SUPPORT, EXTENDABLE ETC)	15	EA	8.25



**GAIL/ND/C&P/Procurement Plan/2022-2027**

DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
LNG STORAGE TANK AND EVOPARATOR SYSTEM FOR EMERGENCY	*	EA	75.00
LPG PUMP ROTOR	14	EA	64.50
LUBE OIL FILTERS FOR ALL MAHCINES ( DEG, GTG, RRGTC, NPGTC, DRGTC)	10	LITERS	15.00
MAINLINE PUMP OVERHAULING SPARES	*	SET	25.00
MAINLINE VALVE PROCUREMENT	2	EA	6.25
MATERIAL REQUIRED FOR REVAMPING OF INSULATIONS OF LPG / PROPOANE SPHERS	3	SET	300.00
MECHANICAL SEAL	9	EA	357.75
MISCELLANEOUS PIG	5	EA	10.00
BEARINGS	28	EA	5.75
NAYARA BOOSTER PUMP SPARES	*	SET	45.00
NEW PROPANE COLUMN (NO.)	*	EA	66.25
NEW PROPANE REFLUX DRUM (NO.)	*	EA	13.00
NEW PSV	25	EA	50.00
NITROGEN PLANT SPARES	6	SET	41.50
NP COMPRESSOR SPARES	2	SET	2.00
O&M SPARES FOR GAS ENGINE GENERATOR (GEG)	17	SET	27.50
OEM DB LPG PUMP SPARES	*	SET	15.00
OEM FLOWSERVE LPG PUMP MECH SEAL SET(DE/NDE)	1	SET	22.50
OEM KSB NEW LPG PUMP SPARE SET	*	SET	12.50
OVERHAUL OF TURBINE & ENGINE	2	LUMPSUM	5055.00
PIGGING & MATERIAL	6	LOT	81.00



**GAIL/ND/C&P/Procurement Plan/2022-2027**

DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
PRESSURE REGULATOR VALVES SPARES -M/S PIETRO FIORENTININ MAKE	56	EA	64.25
VSD FOR PUMP	3	EA	116.40
PROCESS EQUIPMENT PRESSURE VESSELS	1	EA	875.00
PROCUREMENT OF GEG SPARES	6	SET	7.50
PROCUREMENT OF SPARE PSV	*	SET	37.50
PRS SPARES	30	SET	37.50
PUMPS	2	EA	524.50
PURCHASE OF SPAPERS FOR ENGINES & TURBINES	3	SET	650.00
PURCHASE OF VARIOUS FILTERS	1	EA	50.00
PURCHASE OF VARIOUS PUMPS SPARES	2	SET	200.00
RB-211 DLE SPARES	38	SET	135.00
RECIPROCATING COMPRESSOR	*	LUMPSUM	125.00
RR COMPRESSOR SPARES	8	SET	5.00
SCRUBBER FOR NATURAL GAS SERVICE	*	EA	20.00
SEALANTS	4	EA	13.00
SPARE PARTS OF STEAM TURBINE	1	SET	75.00
SPARES FOR DIESEL TRANSFER PUMP	*	SET	0.50
SPARES FOR FEED GAS FILTER ELEMENTS AND SEALS	LUMPSUM	SET	25.00
SPARES FOR FW PUMPS & ENINGES	9	SET	3.00
SPARES FOR INSTT. AIR COMPRESSOR & IA DRYER	35	SET	8.75
SPARES FOR MAJOR MAINT OF GAS ENGINE GENERATOR (GEG)	74	0	200.00



**GAIL/ND/C&P/Procurement Plan/2022-2027**

DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
SPARES FOR PRS		0	37.50
SPARES FOR TURBOCHARGER OVERHAULING	5	SET	13.00
SPARES OF GASKETS	*	SET	6.25
SPARES OF PRC	1	SET	250.00
SPLIT SLEEVES (CS) (30")	3	EA	14.25
SS VESSEL (LPG) ( NO.)	1	EA	155.00
TOOLS & TACKLES	10	EA	11.25
TOOLS AND TACKELS FOR MECHANICAL DEPARTMENT	100	EA	2.75
VALVE SEALANT	1	EA	5.00
VALVES	23	EA	41.00
VARIOUS PUMP SPARES	1	EA	125.00
VARIOUS TYPES OF CLEANING PIGS	12	EA	5.00
VARIOUS WORKSHOP MACHINES & MATERIAL HANDLING EQUIPMENT'S, CT1 CT2 FILL PACK.	2	EA	125.00
COLUMNS & INTERNALS	1	EA	1689.25
COMPRESSOR	*	LUMPSUM	1010.25
COMPRESSORS & FANS	1	EA	10338.25
CW SYSTEM	*	LUMPSUM	900.00
DM WATER SYSTEM	*	LUMPSUM	525.00
DOORS SEALS	2	EA	2.50
FILTER ELEMENT OF DRY GAS FILTER AND FILTER SEPERATOR	*	EA	7.50
FILTER ELEMENTS	6	EA	20.00
FILTER SEPARATOR ELEMENTS FOR DVPL-2	94	EA	0.09





GAIL/ND/C&P/Procurement Plan/2022-2027

DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
FLARE SYSTEM	*	LUMPSUM	500.00
GAS TURBINE: , MI SPARES	1	LUMPSUM	500.00
HALF SPLIT SLEEVES	1	EA	1.00
INTERMEDIATE OVERHAUL OF RGC	*	LUMPSUM	50.00
LUBE OIL PUMP FOR TRAIN A&B	1	EA	50.00
METALLIC GASKET	19	EA	1.25
NON-SPARKING TOOLS	*	SET	5.00
NP ENGINE SPARE	3	SET	2.50
OEM JOCKEY/FW PUMP SPARES SET	1	SET	1.50
OFFSITE PUMPS	*	EA	375.00
PACKAGE ITEMS & EXTRUDER	1	LUMPSUM	9341.25
RAILWAY TRACK MAINTENANCE SPARES	*	SET	50.00
REACTORS	1	EA	3036.75
REFURBISHMENT OF DRY GAS SEAL	1	LUMPSUM	105.00
REFURBISHMENT OF MECHANICAL SEALS OF MAINLINE PUMPS	1	LUMPSUM	11.25
REFURBISHMENT OF ROTOR OF LPG OPUMP	1	LUMPSUM	45.59
SPARES FOR LPG PUMPS MAIN LINE KSPL1 & 2	*	SET	12.50
SPARES FOR VARIOUS LIQUID HYDROCARBON LOADING ARMS	*	SET	12.50
STORAGE VESSELS	*	EA	4607.25
SW GASKETS OF DIFFERENT SIZES AND PRESSURE CLASS	150	EA	2.75
TANKS / VESSELS	1	EA	6214.00
TOOLS	*	EA	1.25
UTILITY PACKAGES	*	LUMPSUM	406.75
VESSELS	*	EA	1150.00



**GAIL/ND/C&P/Procurement Plan/2022-2027**

<b>DESCRIPTION</b>	<b>QUANTITY</b>	<b>UOM</b>	<b>APPROX. VALUE (INR CRORES)</b>
EXPANDER COMPRESSOR SPARES	*	SET	250.00
FOAM TROLLEY	3	EA	4.50
PROCUREMENTS SPARES FOR VARIOUS PACKAGES (IA, N2, GEG, ETC.)	5	SET	0.75
SPARES FOR FW ENGINE	*	SET	0.75
SPARES FOR JOCKEY PUMP	*	SET	0.50
SPARES FOR MAIN FIRE WATER PUMP	*	SET	0.50
SPARES FOR RAW WATER PUMP	*	MT	0.50
PNEUMATIC VALVES FOR CO2 / ARGONITE FLOODING SYATEMS	8	EA	3.75
<b>MISC</b>			
ANY OTHER MISC ITEM	10	EA	10.00
REQUIREMENT OF FURNITURE AT ALL SV, IP STATION AND TERMINALS	*	SET	6.25
SPARES - PIPELINE,ELECTRICAL & MECHANICAL	1	SET	120.00
SPARES FOR EQUIPMENTS LIKE DG SET, FIRE ENGINES, PUMPS, ETC.	LUMPSUM	SET	7.50
<b>PIPES &amp; PIPES FITTINGS</b>			
ASSORTED PIPES	2	METERS	1193.25
CLOCK SPRING	5	EA	28.25
FLANGES & FITTINGS	2	SET	660.00
FLOW TEES ( VARIOUS SIZES 24"/18"/12")	60	EA	543.75



**GAIL/ND/C&P/Procurement Plan/2022-2027**

DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
LINE PIPE ( VARIOUS SIZES)	850	KMS	98485.75
PIPING & PIPE FITTINGS	24	SET	5039.25
SCRAPER LAUNCHER RECEIVER ( VARIOUS SIZES 24"/18"/12")	23	EA	890.25
SPARES FOR PROCESS PIPING / FW NETWORK	1	0	5.00
SPARES FOR VALVES, AND PIPE FITTINGS.	*	SET	20.00
SPARES OF PIPE LEAK REPAIR CLAMPS AND SLEEVES	*	SET	10.00
<b>SAFETY</b>			
BA SETS AND CYLINDERS	1	SET	13.75
ELECTRICAL SAFETY DEVICES ( MATS )	175	EA	1.25
F&S SPARES AND EQUIPMENTS	20	SET	10.00
FIRE & SAFETY SYSTEM SPARES	*	SET	50.75
FIRE EXTINGUISHERS OF VARIOUS CAPACITY	111	EA	16.25
FIRE PROMIXY SUITS	4	EA	6.50
LPG SUITS	3	EA	4.50
PROCURMENT OF FIRE AND GAS DETECTOR SPARES	3	SET	2.75
SAFETY KITS & LEVERIES	25	SET	3.50
SPARES (F&S)	*	SET	5.00
SPARES FOR CO2 SYSTEM.	17	SET	12.50



GAIL/ND/C&P/Procurement Plan/2022-2027

DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
BREATHING APPARTUS	3	SET	5.75
FIRE DELIVERY HOSE	75	EA	5.75
FIRE FIGHTING SYSTEM	*	LUMPSUM	250.00
GAS FLOODING SYSTEM-REFILLING	1	LUMPSUM	27.75
INTRINSICALLY SAFETY LAMPS & TORCHES	13	EA	4.00
MULTI PURPOSE FIRE TENDER	1	EA	100.00
PPES	VARIOUS TYPE	EA	4.75
FIRE MONITORS	2	EA	3.00
FIRE BRANCHES	*	MT	1.75
SAFETY LADDERS PROCUREMENT	1	0	2.50
<b>TELECOM</b>			
CONSUMABLES FOR TELECOM SYSTEMS	LOT	LOT	5.00
EPABX	2	LUMPSUM	39.00
IP TELEPHONE EXCHANGE	*	LUMPSUM	5.00
SPARES (GAILTEL)	*	SET	10.00
SPARES FOR TELECOM/SCADA/IT SYSTEMS	*	SET	5.00
IA/PA SYSTEM	*	LUMPSUM	127.75
PA SYSTEM	*	LUMPSUM	1.25
TELECOM EQUIPMENT	*	EA	273.50
<b>LEGAL</b>			
INTERNATIONAL LAW FIRM PROVIDING SPECIALIZED CONSULTANCY SERVICES.	625 MAN-HOURS (ESTIMATED)	RATE PER BLENDED MAN-HOUR (USD)	USD 291359 = INR 2,41,27,439



**2026-27**

DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
<b>CHEMICAL / CATALYST / GAS</b>			
AMINOSOL	228	LITRES	551.10
ACTIVATED ALUMINA	3	MT	27.50
ACTIVATED CHARCOAL	99	MT	125.63
ALUM	110	MT	12.10
ARC OF CALIBRATION GASES FOR AKM LAB	2	LUMPSUM	2.20
CARBON MOLECULAR SEIVES (CMS)	4	EA	33.00
CERAMIC BALLS -LPG	13	MT	6.11
CHEMICALS AND CONSUMABLES	1	LITERS	2.20
COATING MATERIAL	5	LITERS	29.98
DIESEL (KL)	92	KL	62.73
ETHYL MERCAPTAN (MT)	22	MT	126.50
HCL (MT)	1650	MT	26.13
HYDRAZINE (MT)	4	MT	26.13
LIQUID NITROGEN	660	MT	189.75
LUBE OILS	12	KL	6.60
METHANOL	55	MT	17.42
MOLECULAR SIEVES- LPG	134	MT	235.07
MORPHOLINE	10	MT	41.25
NAOH (100%)	165	MT	74.25
POLY ALUMINUM CHLORIDE (PAC)	11	MT	55.00



**GAIL/ND/C&P/Procurement Plan/2022-2027**

DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
PROCUREMENT OF MINERAL OILS IN LITRES (SERVO PRIME32, PRIME46, PRIME30, SYSTEM30, SYSTEM68, SYSTEM220, PRESS100, PRESS68, FRIZ68, PREMIUM CF4, SYSTEM 320, SYSTEM HLP 46, ISO VG 32, GEM EP2 )	7700	LITERS	57.75
REFILLING OF ARGONITE CYLINDERS	83	EA	7.70
REFILLING OF CO2 CYLINDERS	158	EA	8.25
SODIUM CHLORITE	880	MT	990.00
SODIUM HYPOCHLORITE	264	MT	30.25
SULPHURIC ACID	110	MT	11.00
SYNTHETIC OIL (MOBIL JET)	3300	LITRES	24.75
TSP	7	MT	5.50
HELIUM GAS CYLINDERS	83	EA	20.63
N2 PLANTS CMS REPLACEMENT	1	LUMPSUM	899.25
AFFF	688	LITRES	1.93
CATALYST & CHEMICALS	1	LITRES / MT	5569.58
ACTIVATED CARBON	28	EA	55.00
ION EXCHANGE RESINS	3	LUMPSUM	110.00
ETHYL MERCAPTAN	23,965	KGS	1.60
<b>CIVIL</b>			
MODULAR KITCHEN IN TOWNSHIP	4	LUMPSUM	10.45
CONSTRUCTION	*	LUMPSUM	19.25
CEMENT SLAB (PIPELINE PROTECTION SLAB)	83	EA	33.00
<b>ELECTRICAL</b>			
1.35 MW DEG	*	EA	123.75
33 KV GRID POWER CONNECTION	1	EA	5.50



**GAIL/ND/C&P/Procurement Plan/2022-2027**

DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
A 32 EXCITATION CONTROLLER (AVR) OF 2.7 MW GTG BRUSH ELECTRIC MAKE	*	EA	11.00
ACB (AIR CIRCUIT BREAKR)	17	EA	46.75
AIR CONDITIONER FOR & WATER COOLER	38	EA	32.73
APFC CAPACITORS	11	EA	0.55
ARMATURE & FIELD WGDG EXCITER 2000 DEG	*	EA	1.38
ASB PANELS OF SS-2 AND 4	1	EA	13.75
AVR FOR 2000 KVA DEG	*	EA	0.41
BATTERIES (BATTERY BANK & CHARGER)	82	EA	403.98
BUS DUCT OF DISTRIBUTION TRANSFORMER	2	EA	8.80
CHARGER (DC - DC CONVERTORS )	1	EA	4.13
COLD CUTTING MACHINE	*	EA	1.38
CONTACTORS	17	EA	4.44
CONTROL CARDS FOR VSD SIEMENS	*	EA	1.38
DEG-1350 KVA-SPARES	9	SET	6.60
DIODE WITH SUPPRESSORS FOR 2000 DEG	*	EA	0.55
DRAYER MOV OF PH1 AND PH2	2	EA	24.75
ELECTRICAL	6215	EA	9075.28
ENERGY EFFICIENT FIXTURE	14	LUMPSUM	0.28
ENERGY EFFICIENT MOTOR	10	EA	28.60
FCBC	9	EA	50.33
FLAME LED PROOF LIGHT	1650	EA	82.50
FLOAT CUM BOOST CHARGERS	1	EA	2.75
FLP/LED LIGHTING SYSTEM	44	LUMPSUM	6.60
FUSES	41	EA	0.14



**GAIL/ND/C&P/Procurement Plan/2022-2027**

DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
HIGH BAY LED LIGHTING	138	EA	9.63
HIGH MAST LIGHT	1	EA	3.30
HT BREAKERS	58	EA	499.95
HT TRANSFORMER	1	EA	13.75
INDUSTRIAL UPS /ONLINE UPS	2	EA	13.20
INSULATING JOINTS (VARIOUSIZE)	51	EA	239.53
LED LIGHTS	110	EA	1.93
LIGHTING CONSUMABLES INCLUDING EX-D OUTDOOR LIGHTS	39	EA	35.20
MOTORS	20	EA	294.25
LV VFD	1	EA	13.75
MCC FEEDER	165	EA	103.13
MISCELLANEOUS ITEMS (MULTIMETERS, CONVERTER, KIRK CELLS, PORTABLE GENERATORS, SOLAR POLE LIGHTS, HIGH MASTS, WIRES, CABLES, FANS, HEATERS, AIR-CONDITIONERS ETC.)	29	SET	627.00
MOTOR OPERATED VALVES	3	EA	34.93
MV VFD	1	EA	55.00
NEUMERICAL RELAY	*	EA	6.88
OLTC OF TRANSFORMER 130A AND 130B	1	LUMPSUM	13.75
ONLINE UPS, 5KVA FOR MALANPUR TERMINAL	*	EA	1.38
POWER SUPPLIES	7	EA	4.13
RE CONDITIONING OF 66 KV SWITCH YARD	*	LUMPSUM	5.50
RELAYS	17	EA	3.26
ROOF TOP SOLAR ENERGY PLANT	*	LUMPSUM	4.13
SF6 BREAKER	1	EA	8.25





**GAIL/ND/C&P/Procurement Plan/2022-2027**

DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
SOLAR CHARGE CONTROLLER REPLACEMENT BNPL, CJPL	4	LUMPSUM	20.63
SOLAR ROOF TOP	2	LUMPSUM	9.63
SPARES (CP/ELECTRICAL)	*	SET	44.00
SPARES FOR DEG SET	56	SET	26.13
SPARES PARTS OF VARIOUS ELECTRICAL EQUIPMENT'S	32	SET	31.63
STARTER FOR DEG	1	EA	1.10
TRANSFORMER (10/12.5MVA)	4400	EA	17.60
UPS	5	EA	94.88
VARIABLE SPEED DRIVES	1	EA	27.50
VARIOUS ELECTRICAL CONSUMABLES	55	EA	57.75
VCB(VACCUUM CIRCUIT BREAKER)	8	EA	33.00
VSD FOR PUMP	64	EA	118.25
75KVA GEG (AGRA & FIROZABAD CGS)	1	EA	13.75
AIR COOLERS	*	EA	113.58
CONTACTORS & RELAYS	*	EA	0.55
DC -DC CONVERTER	4	EA	3.03
DG SET	2	EA	10.45
FCBC CHARGER	3	EA	4.13
MOV 02NO	1	EA	4.40
OPTICAL PASSIVES	*	EA	13.75
REPLACEMENT OF OLD AC	10	LUMPSUM	5.50
REPLACEMENT OF OLD DUCTABLE AC WITH INVERTER TECHNOLOGY AC	*	LUMPSUM	2.20



GAIL/ND/C&P/Procurement Plan/2022-2027

DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
SPARES & CONSUMABLES FOR ICP- OES SYSTEM	*	SET	2.75
UP GRADATION OF MC GRILL VSD	1	LUMPSUM	41.25
LT BREAKER RETROFITTING	7	LUMPSUM	28.33
REPLACEMENT OF EXISTING SPLIT ACS WITH ENERGY EFFICIENT SPLIT ACS	7	LUMPSUM	4.13
REPLACEMENT OF VFD	1	LUMPSUM	55.00
RT62 POWER TURBINE MAJOR SPARES	18	SET	247.50
RTD PT100 4 WIRE	1	METERS	0.28
<b>INSTRUMENTATION</b>			
ACTUATOR	3	EA	35.20
AIR FILTER FOR GTC & GEG VENTILATION	1569	LUMPSUM	113.85
ANALYSERS	1	EA	27.50
BIFFI ACTUATOR SPARES	5	SET	35.48
CCTV SYSTEM & CAMERA	13	SET	440.00
CONTROL SYSTEM SPARES	1	SET	4.13
CONTROL VALVES	68	EA	209.00
DCS SYSTEMS HARDWARE/SOFTWARE	1	LUMPSUM	550.00
DP TRANSMITTER	4	EA	2.20
ELECTRICAL MEASURING INSTRUMENTS	11	EA	60.50
ER PROBE DATA LOGGERS	12	EA	45.38
FIELD INSTRUMENTS	497	EA	420.48
FLOW COMPUTER	41	EA	253.55



**GAIL/ND/C&P/Procurement Plan/2022-2027**

DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
FLOW COMPUTER SPARES	5	EA	52.25
GAS CHROMATOGRAPH	1	EA	41.25
GAS DETECTION SYSTEM -NEW SYSTEM PROCUREMENT	19	LUMPSUM	86.63
GAS ENGINE GENERATOR (GEG) INST. SPARES	1	SET	18.15
GAS TURBINE COMPRESSOR (GTC) INST. SPARES IMPORTED	3	SET	54.45
GC SPARES AND CALIBRATION GAS	1	LOT	68.48
GC UPGRADATION	2	LUMPSUM	96.25
GEG PLC OBSOLETE FRONTEND UPGRADATION	59	LUMPSUM	61.88
GPU DCS OBSOLETE FRONT-END UPGRADATION	68	LUMPSUM	5.23
GTC KC5 INSTRUMENTATION SPARES	1	SET	52.25
H2O/H2S ANNALYSER MAINTENANCE & SPARES	2	SET	8.25
HEAT TRACER PANEL	2	EA	27.50
HMI UPGRADATION: METER PROVER	1	EA	16.50
HMI/ENGG CONSOLE	4	EA	5.50
INSTRUMENT EQUIPMENTS	4	SET	7241.85
LEL SYSTEM	39	LUMPSUM	202.95
MASS FLOW METER	2	EA	48.68
MASTER EQUIPMENTS: DEAD WEIGHT TESTER, TEMPERATURE BATH, MULTIMETERS AND MUTLIFUNCTION CALIBRATORS, OSCILLOSCOPE	4	SET	12.38
MEASURING INSTRUMENTS	9	EA	7.43



**GAIL/ND/C&P/Procurement Plan/2022-2027**

DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
METERING SKID	34	EA	1846.90
MISCELLANEOUS INSTRUMENTS FIELD & PANEL INSTRUMENTS ,CABLES ,FITTINGS ETC	14	SET	20.63
MOISTURE & H2S ANALYZERS	1	EA	85.53
PROCUREMENT FOR MASS FLOW METERS AT IPS MANSARAMPURA & TOT-02	3	EA	32.18
NEW GC	1	EA	41.25
NEW PRS/UPGRADATION OF PRESSURE REDUCTION SYSTEM	1	LUMPSUM	33.00
OFC	1	KMS	264.00
PCV & FCV REPLACEMENT	5	LUMPSUM	121.28
PIPELINE INTRUSION DETECTION SYSTEM	*	LUMPSUM	96.25
PIPELINE LOCATOR	3	EA	33.00
PLC SYSTEM	8	LUMPSUM	616.83
PRESSURE/DIFF. PRESSURE/ TEMPERATURE TRANSMITTERS	12	EA	7.15
PROCURMENT OF CONTROL VALVE AND PSV'S SPARES	4	SET	2.75
PROCURMENT OF ROCKWELL PLC SPARES	6	SET	8.25
PSV CALIBRATION & SPARES	36	SET	3.85
RELAY UP GRADATION FOR IPS	3	LUMPSUM	5.50
REPLACEMENT OF PLC AT DT RIL	*	LUMPSUM	82.50
S600 PLUS FC SPARES	2	SET	5.50
SCADA SYSTEM	12	LUMPSUM	297.00
SMOKE DETECTION SYSTEM FOR SV& IP	3	LUMPSUM	13.75



**GAIL/ND/C&P/Procurement Plan/2022-2027**

DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
SPARE FLOWMETERS- TURBINE AND PD METERS	4	SET	22.00
SPARE PRESSURE REDUCTION SYSTEM (PCV,SSV)	3	LUMPSUM	27.50
SPARES & CONSUMABLES FOR AGILENT GC SULPHUR ANALYSER	1	SET	15.13
SPARES (INSTRUMENTATION/METERING) (FC/GC/USM/TFM/RPD/PRS/GDS/PLC ETC.)	*	SET	148.50
SPARES FOR BENTLY NEWADA SPARES FOR RR,DR AND GTG	1	SET	8.25
SPARES FOR BRUKER XRD SYSTEM & ACCESSORIES	1	SET	5.50
SPARES FOR FLOWMETERS	*	SET	38.50
SPARES FOR GAS CHROMATOGRAPH	10	SET	59.13
SPARES FOR HPU FOR SVS & IP	1	SET	13.75
SPARES PROCUREMENT FOR INST	*	SET	5.50
SV IN BPCL LINE	*	LUMPSUM	22.00
TEMP GAUGE	14	EA	0.55
TEMP TRANSMITTER	4	EA	1.93
TETRA SYSTEM	1	LUMPSUM	3.58
TFM SPARES & CALIBRATION	8	LUMPSUM	9.90
TOTAL SULFUR ANALYSER	*	EA	21.18
TR UNIT	2	EA	1402.50
TRANSMITTERS	8	EA	6.88
TURBINE FLOW METER & ITS SPARES	11	EA	27.50



**GAIL/ND/C&P/Procurement Plan/2022-2027**

DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
ULTRASONIC FLOW METER FOR NEEPCO & ROKHIA CTM	1	EA	20.63
USM UPGRADATION	5	LUMPSUM	92.13
VIBRATION MONITORING SYSTEM UPGRADATION	2	LUMPSUM	55.00
YOKOGAWA PLC SPARES	*	EA	13.75
HEATER AND THERMOSTAT FOR TRAIN GG LUBE OIL (CHROMALOX) 3.8 KW	*	EA	1464.10
NEW PCV/SDV	*	EA	82.50
PRIMARY CALIBRATION SYSTEM FOR HAZIRA	*	LUMPSUM	687.50
PROCUMENT OF CALIBRATION GAS	2	MT	1.65
REPLACEMENT OF BENTLEY NAVADA VIBRATION SYSTEM	*	LUMPSUM	41.25
SPARES FOR DET-TRONICS MAKE LEL GAS DETECTION SYSTEMS	1	SET	16.50
SPARES FOR ROCKWELL PLC	1	LOT	5.50
SURVEILLANCE MEASURES	*	LUMPSUM	5.50
TEST & MEASURING INSTRU.	*	EA	0.55
TESTING, CALIBRATION & MEASUREMENT INSTRUMENTS VIZ MULTIMETERS, MEGGAR, EARTH RESISTANCE TESTERS, MULTIFUNCTION CALIBRATOR, HART COMMUNICATOR ETC.	4	LUMPSUM	8.25
TURBINE METER	1	EA	2.75
XA CARD FOR TJ1410 TEJAS SDH EQUIPMENT	1	EA	0.83
CPU CARD OF RTU	1	EA	0.55



GAIL/ND/C&P/Procurement Plan/2022-2027

DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
ESD PLC OBSOLETE FRONTEND UPGRADATION	*	LUMPSUM	13.75
PIDS EQUIPMENT	1	EA	123.75
PROCUREMENT OF BENTLY NEVEDA VIBRATION MONITORING SYSTEM SPARES	3	SET	4.13
SPARES FOR FISHER MAKE FUEL GAS PCVS FOR GTG	*	SET	5.50
RPD METER	1	EA	5.50
<b>IT</b>			
PRINTERS & CARTRIDGES	35	EA	3.30
CYBER SECURITY	*	LUMPSUM	5.50
IT EQUIPMENT	*	LOT	13.75
<b>MECHANICAL</b>			
BALL VALVES ( VARIOUS SIZES)	93	EA	2837.45
FORKLIFT SPARES FOR JHABUA	15	EA	1.65
ACTUATOR VALVES	1	EA	27.50
AMINE PUMP & SPARES	1	EA	550.00
ANTISURGE CONTROLLER FOR GTC AND EXPANDER-COMPRESSOR	1	EA	27.50
ATMOSPHERIC PRESSURE STORAGE TANKS	1	EA	495.00
BASKET FILTER & SPARES	2	SET	14.30
BLEED VALVE OVERHAULING	11	LUMPSUM	8.56
CRADLE OF LPG PUMP	*	EA	3.85



**GAIL/ND/C&P/Procurement Plan/2022-2027**

DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
CRYOGENIC PUMP (NO.)	*	EA	49.50
CT-3 FILLPACK	2	EA	137.50
DIESEL ENGINE SPARES	1	SET	27.50
DM COLUMN TRAYS	*	EA	28.60
DR COMPRESSOR SPARES	3	SET	2.75
FILTER SEPARATOR ELEMENTS FOR GREP	141	EA	6.34
FILTER SEPARATOR ELEMENTS FOR HVJ	185	EA	14.43
FORKLIFT	*	EA	4.13
FW PUMP-SPARES	2	SET	2.20
GASKET	12	LOT	3.58
HARDWARES	*	EA	8.25
HEAT EXCHANGERS	6	EA	4085.68
HPU SPARES	9	SET	37.40
HVAC	24	EA	48.68
HYPER GUN COMPRESSOR	*	EA	1.38
IA COMPRESSOR SPARES	28	SET	5.50
INSTRUMENT AIR COMPRESSOR	*	LUMPSUM	22.00
JOCKEY PUMP & MOTOR/ RAW WATER	1	EA	3.71
KB5 ENGINE SPARE	18	SET	35.75
KC5 ENGINE SPARE	11	SET	31.90
LADDERS (TELESCOPIC, SELF SUPPORT, EXTENDABLE ETC)	17	EA	9.08
LNG STORAGE TANK AND EVOPARATOR SYSTEM FOR EMERGENCY	*	EA	82.50
LPG PUMP ROTOR	16	EA	70.95





**GAIL/ND/C&P/Procurement Plan/2022-2027**

DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
LUBE OIL FILTERS FOR ALL MAHCINES ( DEG, GTG, RRGTC, NPGTC, DRGTC)	11	LITERS	16.50
MAINLINE PUMP OVERHAULING SPARES	*	SET	27.50
MAINLINE VALVE PROCUREMENT	2	EA	6.88
MATERIAL REQUIRED FOR REVAMPING OF INSULATIONS OF LPG / PROPOANE SPHERS	3	SET	330.00
MECHANICAL SEAL	10	EA	393.53
MISCELLANEOUS PIG	6	EA	11.00
BEARINGS	31	EA	6.33
NAYARA BOOSTER PUMP SPARES	*	SET	49.50
NEW PROPANE COLUMN (NO.)	*	EA	72.88
NEW PROPANE REFLUX DRUM (NO.)	*	EA	14.30
NEW PSV	28	EA	55.00
NITROGEN PLANT SPARES	7	SET	45.65
NP COMPRESSOR SPARES	2	SET	2.20
O&M SPARES FOR GAS ENGINE GENERATOR (GEG)	19	SET	30.25
OEM DB LPG PUMP SPARES	*	SET	16.50
OEM FLOWSERVE LPG PUMP MECH SEAL SET(DE/NDE)	1	SET	24.75
OEM KSB NEW LPG PUMP SPARE SET	*	SET	13.75
OVERHAUL OF TURBINE & ENGINE	2	LUMPSUM	5560.50
PIGGING & MATERIAL	7	LOT	89.10
PRESSURE REGULATOR VALVES SPARES -M/S PIETRO FIORENTININ MAKE	62	EA	70.68
VSD FOR PUMP	3	EA	128.04



**GAIL/ND/C&P/Procurement Plan/2022-2027**

DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
PROCESS EQUIPMENT PRESSURE VESSELS	1	EA	962.50
PROCUREMENT OF GEG SPARES	7	SET	8.25
PROCUREMENT OF SPARE PSV	*	SET	41.25
PRS SPARES	33	SET	41.25
PUMPS	2	EA	576.95
PURCHASE OF SPAPERS FOR ENGINES & TURBINES	3	SET	715.00
PURCHASE OF VARIOUS FILTERS	1	EA	55.00
PURCHASE OF VARIOUS PUMPS SPARES	2	SET	220.00
RB-211 DLE SPARES	42	SET	148.50
RECIPROCATING COMPRESSOR	*	LUMPSUM	137.50
RR COMPRESSOR SPARES	8	SET	5.50
SCRUBBER FOR NATURAL GAS SERVICE	*	EA	22.00
SEALANTS	4	EA	14.30
SPARE PARTS OF STEAM TURBINE	1	SET	82.50
SPARES FOR DIESEL TRANSFER PUMP	*	SET	0.55
SPARES FOR FEED GAS FILTER ELEMENTS AND SEALS	LUMPSUM	SET	27.50
SPARES FOR FW PUMPS & ENINGES	10	SET	3.30
SPARES FOR INSTT. AIR COMPRESSOR & IA DRYER	39	SET	9.63
SPARES FOR MAJOR MAINT OF GAS ENGINE GENERATOR (GEG)	81	0	220.00
SPARES FOR PRS	*	0	41.25
SPARES FOR TURBOCHARGER OVERHAULING	5	SET	14.30
SPARES OF GASKETS	*	SET	6.88



**GAIL/ND/C&P/Procurement Plan/2022-2027**

DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
SPARES OF PRC	1	SET	275.00
SPLIT SLEEVES (CS) (30")	4	EA	15.67
SS VESSEL (LPG) ( NO.)	1	EA	170.50
TOOLS & TACKLES	11	EA	12.38
TOOLS AND TACKELS FOR MECHANICAL DEPARTMENT	110	EA	3.03
VALVE SEALANT	1	EA	5.50
VALVES	25	EA	45.10
VARIOUS PUMP SPARES	1	EA	137.50
VARIOUS TYPES OF CLEANING PIGS	13	EA	5.50
VARIOUS WORKSHOP MACHINES & MATERIAL HANDLING EQUIPMENT'S, CT1 CT2 FILL PACK.	2	EA	137.50
COLUMNS & INTERNALS	1	EA	1858.18
COMPRESSOR	*	LUMPSUM	1111.28
COMPRESSORS & FANS	1	EA	11372.08
CW SYSTEM	*	LUMPSUM	990.00
DM WATER SYSTEM	*	LUMPSUM	577.50
DOORS SEALS	2	EA	2.75
FILTER ELEMENT OF DRY GAS FILTER AND FILTER SEPERATOR	*	EA	8.25
FILTER ELEMENTS	6	EA	22.00
FILTER SEPARATOR ELEMENTS FOR DVPL-2	103	EA	0.10
FLARE SYSTEM	*	LUMPSUM	550.00
GAS TURBINE: , MI SPARES	1	LUMPSUM	550.00
HALF SPLIT SLEEVES	1	EA	1.10



**GAIL/ND/C&P/Procurement Plan/2022-2027**

DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
INTERMEDIATE OVERHAUL OF RGC	*	LUMPSUM	55.00
LUBE OIL PUMP FOR TRAIN A&B	1	EA	55.00
METALLIC GASKET	21	EA	1.38
NON-SPARKING TOOLS	*	SET	5.50
NP ENGINE SPARE	3	SET	2.75
OEM JOCKEY/FW PUMP SPARES SET	1	SET	1.65
OFFSITE PUMPS	*	EA	412.50
PACKAGE ITEMS & EXTRUDER	1	LUMPSUM	10275.38
RAILWAY TRACK MAINTENANCE SPARES	*	SET	55.00
REACTORS	1	EA	3340.43
REFURBISHMENT OF DRY GAS SEAL	1	LUMPSUM	115.50
REFURBISHMENT OF MECHANICAL SEALS OF MAINLINE PUMPS	1	LUMPSUM	12.38
REFURBISHMENT OF ROTOR OF LPG OPUMP	1	LUMPSUM	50.15
SPARES FOR LPG PUMPS MAIN LINE KSPL1 & 2	*	SET	13.75
SPARES FOR VARIOUS LIQUID HYDROCARBON LOADING ARMS	*	SET	13.75
STORAGE VESSELS	*	EA	5067.98
SW GASKETS OF DIFFERENT SIZES AND PRESSURE CLASS	165	EA	3.03
TANKS / VESSELS	1	EA	6835.40
TOOLS	*	EA	1.38
UTILITY PACKAGES	*	LUMPSUM	447.43
VESSELS	*	EA	1265.00



GAIL/ND/C&P/Procurement Plan/2022-2027

DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
EXPANDER COMPRESSOR SPARES	*	SET	275.00
FOAM TROLLEY	3	EA	4.95
PROCUREMENTS SPARES FOR VARIOUS PACKAGES (IA, N2, GEG, ETC.)	6	SET	0.83
SPARES FOR FW ENGINE	*	SET	0.83
SPARES FOR JOCKEY PUMP	*	SET	0.55
SPARES FOR MAIN FIRE WATER PUMP	*	SET	0.55
SPARES FOR RAW WATER PUMP	*	MT	0.55
PNEUMATIC VALVES FOR CO2 / ARGONITE FLOODING SYATEMS	8	EA	4.13
<b>MISC</b>			
ANY OTHER MISC ITEM	11	EA	11.00
REQUIREMENT OF FURNITURE AT ALL SV, IP STATION AND TERMINALS	*	SET	6.88
SPARES - PIPELINE,ELECTRICAL & MECHANICAL	1	SET	132.00
SPARES FOR EQUIPMENTS LIKE DG SET, FIRE ENGINES, PUMPS, ETC.	LUMPSUM	SET	8.25
<b>PIPES &amp; PIPES FITTINGS</b>			
ASSORTED PIPES	2	METERS	1312.58
CLOCK SPRING	5	EA	31.08
FLANGES & FITTINGS	3	SET	726.00



**GAIL/ND/C&P/Procurement Plan/2022-2027**

<b>DESCRIPTION</b>	<b>QUANTITY</b>	<b>UOM</b>	<b>APPROX. VALUE (INR CRORES)</b>
FLOW TEES ( VARIOUS SIZES 24"/18"/12")	66	EA	598.13
LINE PIPE ( VARIOUS SIZES)	934	KMS	108334.33
PIPING & PIPE FITTINGS	26	SET	5543.18
SCRAPER LAUNCHER RECEIVER ( VARIOUS SIZES 24"/18"/12")	26	EA	979.28
SPARES FOR PROCESS PIPING / FW NETWORK	1	0	5.50
SPARES FOR VALVES, AND PIPE FITTINGS.	*	SET	22.00
SPARES OF PIPE LEAK REPAIR CLAMPS AND SLEEVES	*	SET	11.00
<b>SAFETY</b>			
BA SETS AND CYLINDERS	1	SET	15.13
ELECTRICAL SAFETY DEVICES ( MATS )	193	EA	1.38
F&S SPARES AND EQUIPMENTS	22	SET	11.00
FIRE & SAFETY SYSTEM SPARES	*	SET	55.83
FIRE EXTINGUISHERS OF VARIOUS CAPACITY	122	EA	17.88
FIRE PROMIXY SUITS	4	EA	7.15
LPG SUITS	3	EA	4.95
PROCURMENT OF FIRE AND GAS DETECTOR SPARES	3	SET	3.03



**GAIL/ND/C&P/Procurement Plan/2022-2027**

DESCRIPTION	QUANTITY	UOM	APPROX. VALUE (INR CRORES)
SAFETY KITS & LEVERIES	28	SET	3.85
SPARES (F&S)	*	SET	5.50
SPARES FOR CO2 SYSTEM.	18	SET	13.75
BREATHING APPARTUS	3	SET	6.33
FIRE DELIVERY HOSE	83	EA	6.33
FIRE FIGHTING SYSTEM	*	LUMPSUM	275.00
GAS FLOODING SYSTEM-REFILLING	1	LUMPSUM	30.53
INTRINSICALLY SAFETY LAMPS & TORCHES	14	EA	4.40
MULTI PURPOSE FIRE TENDER	1	EA	110.00
PPES	VARIOUS TYPE	EA	5.23
FIRE MONITORS	2	EA	3.30
FIRE BRANCHES	*	MT	1.93
SAFETY LADDERS PROCUREMENT	1	0	2.75
<b>TELECOM</b>			
CONSUMABLES FOR TELECOM SYSTEMS	LOT	LOT	5.50
EPABX	2	LUMPSUM	42.90
IP TELEPHONE EXCHANGE	*	LUMPSUM	5.50
SPARES (GAILTEL)	*	SET	11.00
SPARES FOR TELECOM/SCADA/IT SYSTEMS	*	SET	5.50
IA/PA SYSTEM	*	LUMPSUM	140.53
PA SYSTEM	*	LUMPSUM	1.38
TELECOM EQUIPMENT	*	EA	300.85
<b>LEGAL</b>			
INTERNATIONAL LAW FIRM PROVIDING SPECIALIZED CONSULTANCY SERVICES.	625 MAN-HOURS (ESTIMATED)	RATE PER BLENDED MAN-HOUR (USD)	USD 291359 = INR 2,41,27,439