

## Procurement Plan: HURL Barauni Plant

SL	Items Description	Remarks
<b>ELECTRICAL</b>		
1	Critical(HT & LT) motors procurement	Capital
2	Electrical spares for LMS HT/LT Switchgear and other electrical equipment	Capital
3	New walkie talkie procurement	Capital
4	SF6 Gas filling device, leakage detector, dew point meter, relay testing kit	Capital
5	GTG Electrical Spares	Capital
6	3X 3125 KVA EDG Spares	Capital
7	Spares for MOV	Capital
8	Spares for VFD	Capital
9	Bagging Plant MCC, Wagon loader, Truck loader	Capital
10	LV Switchgear spares	O&M
11	HV Switchgear spares	O&M
12	Generator cooler	O&M
13	AVR, GRP spares	O&M
14	LT/HT Motors spares	O&M
15	Hoist/Elevator/crane spares	O&M
16	Transformer spares	O&M
17	Actuator & control valve Spares	O&M
18	Power & Control Cables	O&M
19	UPS & Charger Spares	O&M
20	Battery bank Spares	O&M
21	Lighting spares	O&M
22	Cathodic protection Spares	O&M
23	DG consumables	O&M
24	Live Cable detector, A type Ladders, Thermovision camera	O&M
25	HVAC spares	O&M
26	MSS Set-up & spares	O&M
27	Switchyard Spares	O&M
28	RTCC Panel Spares	O&M
29	FO, RS485 and Ethernet cable	O&M
30	EGD Synch and charger panel spares	O&M
31	Capacitor bank	O&M
32	Bus Duct spares	O&M
33	Bagging plant consumable	O&M
34	LCS, JB	O&M
35	Scissor Lift	O&M
36	Battery operated vehical	O&M
37	Ignitor & Transformer	O&M
38	Heaters	O&M

39	Hooter	O&M
40	Soft starter spares	O&M
41	Colony electrical maintenance spares	O&M
42	Railways OHE Spares	O&M
43	Consumable	O&M
<b>TOTAL (A)</b>		

SL	Items Description	Remarks
<b>INSTRUMENTATION</b>		
1	CPP - BFW & HRSG	O&M
2	GTG spares(apart from capital spares)	O&M
3	PAC & CO2 Compressor -field instrument & Control system	O&M
4	SGC + ARC Compressor - field instrument & Control system	O&M
5	Emerson Analyzer & Liquid service analyzers	O&M
6	Bently Spares	O&M
7	Allen bradely spares	O&M
8	CE900 Spares,Bagging spares,Schenck spares,Misc. Bagging field instruments	O&M
9	Honeywell spares	O&M
10	Statory compliance, audit , certification	O&M
11	Fire & Gas detector spares	O&M
12	Misc. Item (Field inst),Tools & Tackles,Consumables,etc.	O&M
13	Leak detection system spares -Urea	O&M
14	Critical Control Valve spares -Urea	O&M
15	Critical Control Valve spares -Ammonia	O&M
16	CPP-Steam generation control valve spares	O&M
17	Railway S & T Spares	O&M
18	Analyzer gas cylinder refilling	O&M
19	GTG,EDG,HRSG spares	Capital
20	SGC + ARC Compressor - field instrument & Control system + Woodward 505D & Protech GII,Control valve spares,PLC spares	Capital
21	Mass Spectrometer spares	Capital
22	CEMS OMA	Capital
23	Analysers spares	Capital
24	EBARA Pump,other reciprocating compressors Instrumentation spares,magnetic flow meters	Capital
<b>TOTAL (B)</b>		

SL	Items Description	Remarks
<b>MECHANICAL</b>		
1	Eagle Mechanical seal spares for Urea plant	Capital
2	Eagle Mechanical seal spares for Ammonia plant	Capital
3	Compressor Drygas seal filter	Capital

4	N2 Blower (K-2021))Mechanical seal spares	Capital
5	Procurement of complete coupling Aux gearbox to GTG, Coupling for PAC & CO2 condensate pump	Capital
6	Procurement of completed coupling (Load gearbox to Generator) installed in GTG	Capital
7	Procurement of Aux gearbox spares(Excluding set of Rotors)	Capital
8	Procurement of Complete coupling (Gas turbine to Loadgearbox) installed in GTG	Capital
9	Procurement of Auto recirculation valve spares(B10-3003,7001,3005 and B20-1005,1015,1013,1026	Capital
10	Procurement of Rotary scapper Gearbox	Capital
11	ID/FD complete clutch	Capital
12	Procurement of PAC compressor bearing block	Capital
13	Procurement of xomox plug valve repair kit	Capital
14	Procurement of couplings spares for UPH	Capital
15	Procurement of couplings spares for UPH	Capital
16	Procuremnt of Pillar seal spares for P1001 & P1002	Capital
17	Proposal for Procurement of Belt Conveyor Gearbox Spares, UPH Plant, Barauni	Capital
18	Procurement of Conveyor Belts for Urea Product handling, Barauni Plant.	Capital
19	Procurement of lube oils for varius rotary machines	Capital
20	Procurement of lube oils for varius rotary machines	Capital
21	Procurement of Rotary scapper fluid coupling	Capital
22	PAC& CO2 Lube oil turbine spare	Capital
23	Complete Cartridge Seal for P-1003, P-1006, P-1007,P-1008,P-2009	Capital
24	Procurement of Seal spares for Off site & utilities plant and complete seal cartridge for critical pumps in Ammonia Plant( B-10-P-5001AB, B-10-P-5053AB, B52-P-0001AB, B10-P-5004) from OEM M/s Eagle Burgmann India Pvt. Ltd.	Capital
25	Procurement of Co2& PAC turbine turning gear spares	Capital
26	Procurement of Prilling bucket drive spares	Capital
27	Procurement of Refrigeration compressor oil (BESLUX BESARTIC 68 POE)	O&M
28	Procurement of spares for Refrigeration compressor,frick	O&M
29	Procurement of Micron filter element for CPU Plant.	O&M
30	Procurement of Miscellaneous Mechanical Consumables for usage at HURL Barauni.	O&M
31	Procurement of Spares for Fire Water and Raw Water Pumps	O&M

32	Procurement of Spares for Sacnner and Augment Air Fan for CPP Plant	O&M
33	procurement of spares for Load Gearbox of Combustion Gas Turbine Generator	O&M
34	Procurement of spares for P-35-A/B/C	O&M
35	Procurement of complete dosing pumps in Ammonia, Cooling tower, CPP and ETP plant from OEM	O&M
36	Procurement of BOG compressor ( B52-K001 & B52-K002A/B) Lube oil cartridge spares from OEM M/s TM filters.	O&M
37	Procurement of Set of Gaskets and O Rings for Urea Pumps P-1006A/B, P-1003A/B, P-1007A/B, P-2009A/B HURL Barauni Plant	O&M
38	Procurement of spares for Premier Tech Stitching machine installed in Bagging	O&M
39	Gasket for E-1027 A and B	O&M
40	Spares for P-1011	O&M
41	Spares for P-1001 P1A/B SFU	O&M
42	Procurement of Lens Gasket	O&M
43	Procurement of RTJ Gasket	O&M
44	Idlers for UPH & Urea Conveying System	O&M
45	Procurement of Complete Gear Box for ET-10	O&M
46	Procurement of Valves against Consumption in Urea Plant	O&M
47	Spares for WL & TL in UPH	O&M
48	Procurement of Bearing for Entire Complex	O&M
49	Spares for K1002 (Passivation Air Compressor)	O&M
50	Rubber Lagging for Urea & UPH	O&M
51	Procurement of MOPs for P-1001 & P1002 Pump	O&M
52	Procurement of Urea Prilling Bucket	O&M
53	Procurement of ARC& Syngas LO turbine spares	O&M
54	Procurement of GTG Mist eliminator filters & Lube oil filters	O&M
55	Procurement of Ultra Filters for DM plant	O&M
56	Procurement of CPP BFW turbine spares	O&M
57	Procurement of Spares for GTG Combustion Inspection	O&M
58	Procurement of HRSG fan spares and its suction filters	O&M
59	Procurement of Hydraulic turbine Rotor (HT3001AB)	O&M
60	Procurement of Ammonia BFW pump B10-P-7001B shaft & other spares	O&M
61	Procurement of Syngas Turbine condensate extraction pump spares	O&M
62	Procurement of PSV spares	O&M
63	Procurement of ARC& syngas Compressor mist eliminator fan filters	O&M
64	Procurement of Xomox valve spares	O&M
65	Procurement of spares for Bagging machine	O&M
66	Procurement of Urea stripper spares	O&M
67	Procurement of structure steel	O&M

68	Procurement of plates & Bars for workshop	O&M
69	Procurement of steam traps & its spares	O&M
70	Procurement of Valves& Pipe fittings	O&M
71	Procurement of B10-P-5052AB &B10- P5053 ABspares	O&M
72	Procurement of E5002 Partion plate gasket and Manway gasket	O&M
73	Procurement of Instrument Air compressor spares	O&M
74	Procurement of Ammonia Flash Gas compressor(K3001) spares	O&M
75	Procurement of Ammonia BOG compressor spares	O&M
76	Procurement of pump Mechanical seal spares	O&M
	<b>TOTAL (C)</b>	
	<b>TOTAL (A+B+C)</b>	