

**Procurement projections of the Ministry/Department exceeding Rs.1000 Cr per annum including those of PSEs/PSUs/Attached & Subordinate offices/Autonomous bodies - Consolidated year wise statement uploaded in the respective website for the next five years.**

Name of Organization: BRAHAMPUTRA VALLEY FERTILIZER CORPORATION LTD, NAMRUP, ASSAM  
 Website link - <https://www.bvfcl.com>  
 URL link of the consolidated year wise statement uploaded in the respective website for the next five years:  
 Name of the Department: Department of Fertilizers  
 Name of Ministry: Ministry of Chemicals & Fertilizers  
 Disclaimer: *The below information is purely indicative and the Ministry of Chemicals & Fertilizers/Department of Fertilizers will not be liable to any potential bidder for any decision taken/not taken on the basis of the projected figures.*

**Financial Year 2020-21**

Sr. No.	Description of Item	Broad Specification Parameters	Qty	Accounting Unit (Nos./ Meters / Tonne...)	Estimated Value Procurement INR (Lacs)
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**(a) Chemicals, Catalyst, Lube Oil, Neem Oil**

1	Chemicals for Cooling Water treatment	Corrosion Inhibitor, Zinc based corrosion Inhibitor, Dispersant, Bio-Dispersent, Biocide(a) Biocide(b) Chlorine, ClO2 generating chemical.	26668.39 7382.76 19467.17 3805.70 3536.40 5422.48 85932.00 4591.01	Kg	115
2	Chemicals for Boiler Feed Water system	Oxygen scavenger, Corrosion Inhibitor	6298.56 3149.28	Ltr.	12
3	Catalysts				
a	Primary Reformer Catalyst	Nickel based catalyst	25	M3	200
b	Secondary Reformer catalyst	Nickel based catalyst			
c	HT Catalyst	Iron based Catalyst	93.6	M3	440
d	LT Catalyst	Copper Oxide & Zinc oxide	54.62	M3	550
e	Methanator Catalyst	Nickel based catalyst			
f	Synthesis Catalyst	Iron based Catalyst	33	M3	550
4	Resins	Cation Anion	12000 8000	Ltr.	18
5	Lubricant	IOC & BPCL Oils	32	KL	320
7	Methanol		200	Kg	0.12
9	Alumina, Ceramic Balls & Alumina Sings	Alumina Based	9	M3	27
10	Potassium Carbonate	K2CO3	72	MT	46
11	Vanadium Pentaoxide	V2O5	2.7	MT	28
12	Di Ethyl Amine		3.2	MT	4.2
14	Glycine		3.0	MT	7.3
15	Caustic Soda Flex		564	MT	275
16	Sulphuric Acid		1908	MT	214
17	Hydrated Lime		480	MT	53
18	Ferric Alum		876	MT	99
19	Bleaching Power		12	MT	42
21	Activated Carbon	Carbon	4	MT	3
24	Neem Oil				240
25	Glycol		200	kg	0.5

**(b) Laboratory Chemical & Equipments**

1	Calibration Cylinder		7	Nos	1.40
2	Electronic Balance		3	Nos	1.60
3	Filter Paper Circles		12	Pkts	0.50
4	Gas Flowmeter		3	Nos	1.00
5	Glassware & Plastic ware (Bio fertilizer bottle)			Nos	21.00
6	Laboratory Chemicals			Pkts	5.00
7	Laboratory Equipment		6	Nos	10.00
8	pH Meter		3	Nos	0.60
9	Regulator		7	Nos	0.40
10	Rubber Tubing		300	Meters	0.10
11	Spares for Conductivity Meter		5	Nos	0.50
12	Spares for Gas Chromatograph / Gas Detection Tubes		10	Nos	1.00

**(c) Packaging Materials, General Stores & Stationary**

1	HDPE bags for packaging of Neem Coated Urea	HDPE bags each of 45 Kg packaging capacity , individual weight of 120 Grams having HDPE contents 95 Grms and LDPE contents 25 Grms	45 Lakhs	No	796.5
2	Urea Packaging Bag Closing Thread Conical Roll Type	Polypropylene Multi filament Twin Conical Roll type, Breaking Strength 8 Kg and above	9000	KG	16.7
3	Annual rate Contract of SKF/FAG bearing	SKF/Fag Bearing on proprietary basis	707	no	26.67

4	Industrial Gas	DEA, Argon, Nitrogen, Hydrogen, Oxygen	156	Cylinder	7.4
5	Stationary	Xerox paper A-4 Size+ Computer stationary + Plant related Register, pad, etc			12

**(d) Mechanical Items**

1	Spares of steam turbine and centrifugal compressors	Rotor, diaphragm, Bearing, seals, coupling and internals of steam turbine and centrifugal compressors		Nos.	100
	Spares for diesel engine for GTG	Detroit make			20
2	Spares for heat exchanger	Tubes and other internals		Nos.	10
3	Centrifugal pumps and its spares	Impeller, shafts, bearings, mechanical seals, coupling etc.		Nos.	50
4	Positive displacement pumps and its spares	Plunger, piston, screw, gear, bearings, seals, coupling etc.		No.	100
5	Spares of reciprocating compressors	Piston, crosshead, piston rings, bearings, seals, coupling etc.		Nos.	50
6	Procurement of filters	Air filter, oil filter, urea filters, benefield solution filters etc.		Nos.	10
7	Spares for cooling tower	Wooden structurals, louvers, gearbox, fan etc		Nos.	20
10	Spares for urea salt scrapper	Mukund make , Elicon make			10
11	Spares for conveyor for urea plants	Belts, pulleys, rollers, etc.			10
12	Insulation and refractories	Tabcast, insulyte, rockwool mattress, ceramic blanket, fire bricks etc.			20
13	Valves	Globe, gate valves, safety valves, check valve etc.		Nos.	20
14	Consumables	Filler rods, welding electrodes, gaskets, sealants etc.			10
15	Air conditioners and its spares	Split, window, package type.			10
16	Spares for Bag stitching machines	Double row			5
17	Fasteners of different sizes & grade	CS, SS & alloy steel		Nos.	5

**(e) Instrumentation Items**

1	Analytical Instruments and spares	Process gas, water analysis	10	Nos	25
2	Field Transmitters and spares	Pressure, Flow, Level, Temp.	50	Nos	20
3	Control Valve and spares	2" to 16", 10 to 250 Bar, 100 to 450 Degc	25	Nos	50
4	Condition monitoring Instruments and spares	Speed, Vibration, Axial Displacement	50	Nos	25
5	Control System spares	Controller, DCS, PLC	25	Nos	150
6	Boiler control instruments	Flame Scanner, Control cards, Solenoid valves	50	Nos	100
7	Miscellaneous Control panel instruments	Relays, Barriers, Converters, Recorders	100	Nos	80
8	Gas Turbine Control Instruments	Control cards, Servo Valves for GE Mark II	20	Nos	60
9	Speed Control Instruments	Governor, Converter, Solenoid Valve	3	Nos	75
10	Pollution Monitoring Instruments	Sensor, Display, Communication Instruments for Stack and Effluent	3	Nos	10
11	Weighing Machine and spares	Automatic Weighing, Road Weigh Bridge	4	Nos	10
12	Miscellaneous Field Instruments	Converters, Positioners, Regulators, Switches	25	Nos	40
13	Testing, Measuring and Calibration Instruments	Multimeters, Calibrators for various Instruments	4	Nos	5

**(f) Electrical Items**

1	66 KV switchyard	Procurement of Retrofit/replacement of equipments	2	Bays	7
2	Breakers HT/LT & accessories	Procurement of Retrofit/replacement	4	Nos.	9
3	Motors/Transformers/Generators	Procurement of Retrofit/replacement	5	Nos.	11
4	Insulation materials/Tr. Oil	Cable joints Tapes Sleeves Compounds Barrels	3 20 50 50 50	Nos Mtrs Mtrs Kgs Barrels	25
5	Meters/relays	Meters/relays	10	Nos.	3
6	Cables	HT LT cables	1000 500	metres	40
7	Electrical System Study	Electrical System Study	1	Job	5
8	LED Lights	LED Lights	500	Nos.	15
9	Solar System	Solar System	1	Nos.	9
10	AVR/PLC	AVR/PLC	1	nos.	25
11	Battery	Battery	1	Nos.	10
12	Electrical Panels	Electrical Panels	2	nos.	7

**(g) Civil Items**

1	Cement	OPC/PPC	20	Tonne	1.80
2	Quick setting cement	Quick setting cement	1	Tonne	0.45
3	Epoxy Materials	Resin, Hardner	0.06	Tonne	0.38
		Quartz Sand	0.4	Tonne	0.10
4	GI Pipes with fittings	80, 50, 40, 25 mm dia	300	Meters	2.10
5	PVC Pipes with fittings	50, 40, 25, 20, 15 mm dia	350	Meters	2.10

**(h) Fire & Safety Items**

	Fire & Safety Items				
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1	Ammonia Canister		20	Nos	0.112
2	Breathing Apparatus		2	Nos	1.90
3	Explosiometer		1	Nos	2.50
4	Fire Extinguisher		100	Nos	3.75
5	Flame Detector		2	Nos	1.500
6	Gas Detector & analyser		2	Nos	3.047
7	General Fire & safety Items			Pairs/ Nos	7.500
8	Ladder/ Doors of Aluminium (Manufacturer)			Nos	0.150
9	Masks, Suits, Ear Plugs, Gloves, helmets, BA sets etc.			Pairs/Nos	1.50
10	Uniforms/Linen items, Furnishing etc.		30	Pairs/Nos	0.50

**Financial Year 2021-22**

Sr. No.	Description of Item	Broad Specification Parameters	Qty	Accounting Unit (Nos./ Meters / Tonne...)	Estimated Value Procurement INR (Lacs)
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**(a) Chemicals, Catalyst, Lube Oil, Neem Oil**

1	Chemicals for Cooling Water treatment	Corrosion Inhibitor, Zinc based corrosion Inhibitor, Dispersant, Bio-Dispersent, Biocide(a) Biocide(b) Chlorine, ClO <sub>2</sub> generating chemical	26668.39 7382.76 19467.17 3805.70 3536.40 5422.48 85932.00 4501.01	Kg	115
2	Chemicals for Boiler Feed Water system	Oxygen scavenger, Corrosion Inhibitor	6298.56 3149.28	Ltr.	12
3	Catalysts				
a	LT Catalyst	Copper Oxide & Zinc oxide	59	M3	650
b	Methanator Catalyst	Nickel based catalyst	17.4	M3	300
6	Resin	Cation Resin Anion Resin	11248 7313	Ltr.	12
7	Lubricant	IOC & BPCL Oils	40	KL	400
8	Methanol		200	Kg	0.12
9	Alumina, Ceramic Balls & Alumina Sings	Alumina Based	4	M3	12
10	Potassium Carbonate	K2CO3	72	MT	46
11	Vanadium Pentaoxide	V2O5	2.7	MT	28
12	Di Ethyl Amine		3.2	MT	4.2
13	Glycin		3.0	MT	7.3
14	Caustic Soda FLAKES		564	MT	275
15	Sulphuric Acid		1908	MT	214
16	Hydrated Lime		480	MT	53
17	Ferric Alum		876	MT	99
18	Bleaching Powder		12	MT	42
19	Activated Carbon	Carbon	4	MT	3
20	Neem Oil			MT	240
21	Glycol			Ltr.	0.5

**(b) Laboratory Chemical & Equipments**

1	Calibration Cylinder		7	Nos	1.47
2	Electronic Balance		2	Nos	0.50
3	Filter Paper Circles		12	Pkts	0.53
4	Gas Flowmeter		3	Nos	1.05
5	Glassware & Plastic ware (Bio fertilizer bottle)			Nos	22.05
6	Laboratory Chemicals			Pkts	5.25
7	Laboratory Equipment		4	Nos	7.00
8	pH Meter		3	Nos	0.63
9	Regulator		5	Nos	0.30
10	Rubber Tubing		200	Meters	0.07
11	Spares for Conductivity Meter		3	Nos	0.32
12	Spares for Gas Chromatograph / Gas Detection Tubes		10	Nos	1.05

**(c) Packaging Materials, General Stores & Stationary**

1	HDPE bags for packaging of Neem Coated Urea	HDPE bags each of 45 Kg packaging capacity , individual weight of 120 Grams having HDPE contents 95 Grms and LDPE contents 25 Grms	67 Lakhs	No	1185.9
2	Urea Packaging Bag Closing Thread Conical Roll Type	Polypropylene Multi filament Twin Conical Roll type, Breaking Strength 8 Kg and above	9000	KG	16.7
3	Annual rate Contract of SKF/FAG bearing		707	No	26.67
4	Industrial Gas	DEA, Argon, Nitrogen, Hydrogen, Oxygen	156	Cylinder	7.4
5	Stationary	Xerox paper A-4 Size+ Computer stationary + Plant related Register, pad, etc			12

**(d) Mechanical Items**

1	Procurement of catalyst tubes of primary reformer	Procurement of catalyst tubes of primary reformer of Amm-II plant	150	Nos.	600
2	Spare of GTG-II	MOI spare			1000
3	Plates and Structural items	Beam, channel, angles, CS plate, SS plate etc			20
4	Spares of steam turbine and centrifugal compressors	Rotor, diaphragm, Bearing, seals, coupling and internals of steam turbine and centrifugal compressors		Nos.	1000
5	Spares for heat exchanger	Tubes and other internals		Nos.	20
6	Centrifugal pumps and its spares	Impeller, shafts, bearings, mechanical seals, coupling etc.		Nos.	300
7	Positive displacement pumps and its spares	Plunger, piston, screw, gear, bearings, seals, coupling etc.		No.	150
8	Spares of reciprocating compressors	Piston, crosshead, piston rings, bearings, seals, coupling etc.		Nos.	150
9	Procurement of filters	Air filter, oil filter, urea filters, benefield solution filters etc.		Nos.	60
10	Spares for cooling tower	Wooden structurals, louvers, gearbox, fan etc		Nos.	300
11	Spares for Urea reactor	Urea grade Liners		Nos.	100
12	Spares for urea salt scrapper	Mukund make , Elicon make			5
13	Spares for conveyor for urea plants	Belts, pulleys, rollers, etc.			20
14	Insulation and refractories	Tabcast, insulyte, rockwool mattress, ceramic blanket, fire bricks etc.			20
15	Valves	Globe, gate valves, safety valves, check valve etc.		Nos.	20
16	Consumables	Filler rods, welding electrodes, gaskets, sealants etc.			10
17	Air conditioners and its spares	Split, window, package type.			10
18	Spares for Bag stitching machines	Double row			5
19	Fasteners of different sizes & grade	CS, SS & alloy steel		Nos.	5

**(e) Instrumentation Items**

1	Analytical Instruments and spares	Process gas, water analysis	10	Nos	25
2	Field Transmitters and spares	Pressure, Flow, Level, Temp.	50	Nos	20
3	Control Valve and spares	2" to 16", 10 to 250 Bar, 100 to 450 Degc	25	Nos	50
4	Condition monitoring Instruments and spares	Speed, Vibration, Axial Displacement	50	Nos	25
5	Control System spares	Controller, DCS, PLC	25	Nos	150
6	Boiler control instruments	Flame Scanner, Control cards, Solenoid valves	50	Nos	100
7	Miscellaneous Control panel instruments	Relays, Barriers, Converters, Recorders	100	Nos	80
8	Gas Turbine Control Instruments	Control cards, Servo Valves for GE Mark II	20	Nos	60
9	Speed Control Instruments	Governor, Converter, Solenoid Valve	3	Nos	75
10	Pollution Monitoring Instruments	Sensor, Display, Communication Instruments for Stack and Effluent	3	Nos	10
11	Weighing Machine and spares	Automatic Weighing, Road Weigh Bridge	4	Nos	10
12	Miscellaneous Field Instruments	Converters, Positioners, Regulators, Switches	25	Nos	40

**(f) Electrical Items**

1	66 KV switchyard	Procurement of Retrofit/replacement of equipments	2	Bays	50
2	Breakers HT/LT & accessories	Procurement of Retrofit/replacement	4	Nos.	75
3	Motors/Transformers/Generators	Procurement of Retrofit/replacement	5	Nos.	100
4	Insulation materials/Tr. Oil	Cable joints Tapes Sleeves Compounds Barrels	10 100 100 20 130	Nos Mtrs Mtrs Kgs barrels	70
5	Meters/relays	Meters/relays	15	Nos.	30
6	Cables	HT LT cables	1000 1000	metres	50
7	Electrical System Study	Electrical System Study	1	Job	8
8	LED Lights	LED Lights	700	Nos.	20
9	Solar System	Solar System	1	Nos.	9
10	AVR/PLC	AVR/PLC	1	nos.	75
11	Battery	Battery	2	Nos.	35
12	Electrical Panels	Electrical Panels	3	nos.	11

**(g) Civil Items**

1	Cement	OPC/PPC	60	Tonne	5.95
2	Quick setting cement	Quick setting cement	1	Tonne	0.47
	Bitumen	VG 10	30	Tonne	15.00
3	Steel Reinforcement	16 / 12 / 10 / 8 / 6 mm dia	3	Tonne	1.50
4	Structural steel	MS Angle, Tee, Channels	3	Tonne	1.80
5	AC Sheet	3.00 m / 2.50 m / 2.00 m	100	Sqm	0.35
6	CGI sheets	3.00 m / 2.50 m / 2.00 m	50	Sqm	0.20
7	Transparent sheets	3.00 m / 2.50 m / 2.00 m	80	Sqm	0.30
8	Epoxy Materials	Resin, Hardner	0.06	Tonne	0.40
		Quartz Sand	0.4	Tonne	0.10
9	GI Pipes with fittings	80, 50, 40, 25 mm dia	300	Meters	2.20
10	PVC Pipes with fittings	50, 40, 25, 20, 15 mm dia	350	Meters	2.20

**(h) Fire & Safety Items**

1	Ammonia Canister		20	Nos	0.112
2	Breathing Apparatus		2	Nos	1.90
3	Explosiometer		1	Nos	1.250
4	Fire Extinguisher		100	Nos	3.75
5	Flame Detector		1	Nos	0.75
6	Gas Detector & analyser		1	Nos	1.52
7	General Fire & safety Items			Pairs/ Nos	7.500
8	Ladder/ Doors of Aluminium(Manufacturer)			Nos	0.150
9	Masks, Suits, Ear Plugs, Gloves, helmets, BA sets etc.			Pairs/Nos	1.50
10	Uniforms/Linen items, Furnishing etc.		30	Pairs/Nos	0.50

**Financial Year 2022-23**

Sr. No.	Description of Item	Broad Specification Parameters	Qty	Accounting Unit (Nos./ Meters / Tonne...)	Estimated Value Procurement INR (Lacs)
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**(a) Chemicals, Catalyst, Lube Oil, Neem Oil**

1	Chemicals for Cooling Water treatment	Corrosion Inhibitor, Zinc based corrosion Inhibitor, Dispersant, Bio-Dispersent, Biocide(a) Biocide(b) Chlorine, ClO2 generating chemical	26668.39 7382.76 19467.17 3805.70 3536.40 5422.48 85932.00 4591.01	Kg	115
2	Chemicals for Boiler Feed Water system	Oxygen scavenger, Corrosion Inhibitor	6298.56 3149.28	Ltr.	12
3	Catalysts				
a	Secondary Reformer catalyst	Nickel based catalyst	34.6	M3	600
b	Methanator Catalyst	Nickel based catalyst	18.4	M3	350
6	Resin	Cation Resin Anion Resin			
7	Lubricant	IOC & BPCL Oils	40	KL	400
8	Methanol		200	Kg	0.12
9	Alumina, Ceramic Balls & Alumina Sings	Alumina Based	4	M3	12
10	Potassium Carbonate	K2CO3	72	MT	46
11	Vanadium Pentaoxide	V2O5	2.7	MT	28
12	Di Ethyl Amine		3.2	MT	4.2
13	Glycin		3.0	MT	7.3
14	Caustic Soda Flakes		1908	MT	214
15	Sulphuric Acid		480	MT	53
16	Hydrated Lime		480	MT	53
17	Ferric Alum		876	MT	99
18	Bleaching Powder		12	MT	42
19	Neem Oil			MT	240
20	Glycol		200	Kg	0.5

**(b) Laboratory Chemical & Equipments**

1	Calibration Cylinder		7	Nos	1.54
2	Electronic Balance		2	Nos	0.53
3	Filter Paper Circles		12	Pkts	0.56
4	Gas Flowmeter		4	Nos	1.47
5	Glassware & Plastic ware (Bio fertilizer bottle)			Nos	23.15
6	Laboratory Chemicals			Pkts	5.51
7	Laboratory Equipment		5	Nos	9.19
8	pH Meter		3	Nos	0.67
9	Regulator		5	Nos	0.32
10	Rubber Tubing		300	Meters	0.11
11	Spares for Conductivity Meter		4	Nos	0.45
12	Spares for Gas Chromatograph / Gas Detection Tubes		8	Nos	0.90

**(c) Packaging Materials, General Stores & Stationary**

1	HDPE bags for packaging of Neem Coated Urea	HDPE bags each of 45 Kg packaging capacity , individual weight of 120 Grams having HDPE contents 95 Grms and LDPE contents 25 Grms	67 Lakhs	No	1185.9
2	Urea Packaging Bag Closing Thread Conical Roll Type	Polypropylene Multi filament Twin Conical Roll type, Breaking Strength 8 Kq and above	9000	KG	16.7
3	Annual rate Contract of SKF/FAG bearing		707	No	26.67
4	Industrial Gas	DEA, Argon, Nitrogen, Hydrogen, Oxygen	156	Cylinder	7.4
5	Stationary	Xerox paper A-4 Size+ Computer stationary + Plant related Register, pad, etc			12

**(d) Mechanical Items**

1	Procurement of catalyst tubes of primary reformer	Procurement of catalyst tubes of primary reformer of Amm-III plant	240	Nos.	1000
2	Plates and Structural items	Beam, channel, angles, CS plate, SS plate etc			15
3	Spares of steam turbine and centrifugal compressors	Rotor, diaphragm, Bearing, seals, coupling and internals of steam turbine and centrifugal compressors		Nos.	200
4	Centrifugal pumps and its spares	Impeller, shafts, bearings, mechanical seals, coupling etc.		Nos.	50
5	Positive displacement pumps and its spares	Plunger, piston, screw, gear, bearings, seals, coupling etc.		No.	80
6	Spares of reciprocating compressors	Piston, crosshead, piston rings, bearings, seals, coupling etc.		Nos.	80
7	Procurement of filters	Air filter, oil filter, urea filters, benefield solution filters etc.		Nos.	60
8	Spares for cooling tower	Wooden structurals, louvers, gearbox, fan etc		Nos.	50
9	Insulation and refractories	Tabcast, insulyte, rockwool mattress, ceramic blanket, fire bricks etc.			20
10	Valves	Globe, gate valves, safety valves, check valve etc.		Nos.	15
11	Consumables	Filler rods, welding electrodes, gaskets, sealants etc.			10
12	Air conditioners and its spares	Split, window, package type.			10
13	Spares for Bag stitching machines	Double row			5
14	Fasteners of different sizes & grade	CS, SS & alloy steel		Nos.	5

#### (e) Instrumentation Items

1	Analytical Instruments and spares	Process gas, water analysis	10	Nos	25
2	Field Transmitters and spares	Pressure, Flow, Level, Temp.	50	Nos	20
3	Control Valve and spares	2" to 16", 10 to 250 Bar, 100 to 450 Degc	25	Nos	50
4	Condition monitoring Instruments and spares	Speed, Vibration, Axial Displacement	50	Nos	25
5	Control System spares	Controller, DCS, PLC	20	Nos	100
6	Boiler control instruments	Flame Scanner, Control cards, Solenoid valves	40	Nos	80
7	Miscellaneous Control panel instruments	Relays, Barriers, Converters, Recorders	80	Nos	60
8	Gas Turbine Control Instruments	Control cards, Servo Valves for GE Mark II	20	Nos	60
9	Speed Control Instruments	Governor, Converter, Solenoid Valve	3	Nos	75
10	Pollution Monitoring Instruments	Sensor, Display, Communication Instruments for Stack and Effluent	3	Nos	10
11	Weighing Machine and spares	Automatic Weighing, Road Weigh Bridge	4	Nos	10
12	Miscellaneous Field Instruments	Converters, Positioners, Regulators, Switches	25	Nos	40
13	Testing, Measuring and Calibration Instruments	Multimeters, Calibrators for various Instruments	4	Nos	5

#### (f) Electrical Items

1	66 KV switchyard	Procurement of Retrofit/replacement of equipments	2	Bays	75
2	Breakers HT/LT & accessories	Procurement of Retrofit/replacement	4	Nos.	75
3	Motors/Transformers/Generators	Procurement of Retrofit/replacement	5	Nos.	150
4	Insulation materials/Tr. Oil	Cable joints Tapes Sleeves Compounds T. oil	10 100 100 20 50	Nos Mtrs Mtrs Kgs barrels	50
5	Meters/relays	Meters/relays	15	Nos.	30
6	Cables	HT LT cables	1000 1000	metres	50
7	LED Lights	LED Lights	700	Nos.	20
8	Solar System	Solar System	1	Nos.	9
9	AVR/PLC	AVR/PLC	1	nos.	75
10	Battery	Battery	2	Nos.	35
11	Electrical Panels	Electrical Panels	3	nos.	11

#### (g) Civil Items

1	Cement	OPC/PPC	50	Tonne	5.20
2	AC Sheet	3.00 m / 2.50 m / 2.00 m	100	Sqm	0.35
3	Epoxy Materials	Resin, Hardner	0.06	Tonne	0.42
4	Railway fittings	Quartz Sand	0.4	Tonne	0.11
		Tung rail set	2	Pare	68.00
		Rail	18	Tonne	7.68
		Fish plate	10	Pare	1.00
		Compound Fish Plate	6	Pare	1.20
		ERC Clip with fittings	3000	Nos	3.75
5	GI Pipes with fittings	80, 50, 40, 25 mm dia	200	Meters	1.54
6	PVC Pipes with fittings	50, 40, 25, 20, 15 mm dia	250	Meters	1.65

#### (h) Fire & Safety Items

1	Ammonia Canister		20	Nos	0.112
2	Breathing Apparatus		1	Nos	0.950
3	Explosiometer		1	Nos	1.250
4	Fire Extinguisher		100	Nos	3.75
5	Flame Detector		1	Nos	0.75
6	Gas Detector & analyser		1	Nos	1.52

7	General Fire & safety Items			Pairs/ Nos	7.500
8	Ladder/ Doors of Aluminium(Manufacturer)			Nos	0.150
9	Masks, Suits, Ear Plugs, Gloves, helmets, BA sets etc.			Pairs/Nos	1.50
10	Uniforms/Linen items, Furnishing etc.		30	Pairs/Nos	0.50

**Financial Year 2023-24**

Sr. No.	Description of Item	Broad Specification Parameters	Qty	Accounting Unit (Nos./ Meters / Tonne...)	Estimated Value Procurement INR (Lacs)
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**(a) Chemicals, Catalyst, Lube Oil, Neem Oil**

1	Chemicals for Cooling Water treatment	Corrosion Inhibitor, Zinc based corrosion Inhibitor, Dispersant, Bio-Dispersent, Biocide(a), Biocide(b), Chlorine, ClO2 generating chemical	26668.39 7382.76 19467.17 3805.70 3536.40 5422.48 85932.00 4591.01	Kg	115
2	Chemicals for Boiler Feed Water system	Oxygen scavenger, Corrosion Inhibitor	6298.56 3149.28	Ltr.	12
3	Catalysts				
a	Synthesis Catalyst	Iron based Catalyst	32.7	M3	650
4	Resin	Cation Resin Anion Resin	11248 7313	Ltr.	12
5	Lubricant	IOC & BPCL Oils	400	KL	400
6	Methanol		200	Kg	0.12
7	Potassium Carbonate	K2CO3	72	MT	46
8	Vanadium Pentaoxide	V2O5	2.7	MT	28
9	Di Ethyl Amine		3.2	MT	4.2
10	Glycin		3.0	MT	7.3
11	Caustic Soda Flakes		1908	MT	214
12	Sulphuric Acid		480	MT	53
13	Hydrated Lime		480	MT	53
14	Ferric Alum		876	MT	99
15	Bleaching Powder		12	MT	42
16	Neem Oil			MT	240
17	Glycol		200	Kg	0.5

**(b) Laboratory Chemical & Equipments**

2	Calibration Cylinder		7	Nos	1.62
3	Electronic Balance		2	Nos	0.56
4	Filter Paper Circles		12	Pkts	0.60
5	Gas Flowmeter		3	Nos	1.16
6	Glassware & Plastic ware (Bio fertilizer bottle)			Nos	24.31
7	Laboratory Chemicals			Pkts	5.79
8	Laboratory Equipment		5	Nos	9.65
9	pH Meter		3	Nos	0.70
10	Regulator		5	Nos	0.34
11	Rubber Tubing		200	Meters	0.74
12	Spares for Conductivity Meter		3	Nos	0.35
13	Spares for Gas Chromatograph / Gas Detection Tubes		10	Nos	1.18

**(c) Packaging Materials, General Stores & Stationary**

1	HDPE bags for packaging of Neem Coated Urea	HDPE bags each of 45 Kg packaging capacity, individual weight of 120 Grams having HDPE contents 95 Grms and LDPE contents 25 Grms	67 Lakhs	No	1185.9
2	Urea Packaging Bag Closing Thread Conical Roll Type	Polypropylene Multi filament Twin Conical Roll type, Breaking Strength 8 Kg and above	9000	KG	16.7
3	Annual rate Contract of SKF/FAG bearing		707	No	26.67
4	Industrial Gas	DEA, Argon, Nitrogen, Hydrogen, Oxygen	156	Cylinder	7.4
5	Stationary	Xerox paper A-4 Size+ Computer stationary + Plant related Register, pad, etc			12

**(d) Mechanical Items**

1	Spares of steam turbine and centrifugal compressors	Rotor, diaphragm, Bearing, seals, coupling and internals of steam turbine and centrifugal compressors		Nos.	200
2	Spares for diesel engine for GTG	Detroit make			20
3	Spares for heat exchanger	Tubes and other internals		Nos.	20
4	Centrifugal pumps and its spares	Impeller, shafts, bearings, mechanical seals, coupling etc.		Nos.	50
5	Positive displacement pumps and its spares	Plunger, piston, screw, gear, bearings, seals, coupling etc.		No.	80
6	Spares of reciprocating compressors	Piston, crosshead, piston rings, bearings, seals, coupling etc.		Nos.	60

7	Procurement of filters	Air filter, oil filter, urea filters, benefield solution filters etc.		Nos.	60
8	Spares for cooling tower	Wooden structurals, louvers, gearbox, fan etc		Nos.	50
9	Spares for Urea reactor	Urea grade Liners		Nos.	60
10	Spares for urea salt scrapper	Mukund make , Elicon make			10
11	Spares for conveyor for urea plants	Belts, pulleys, rollers, etc.			15
12	Insulation and refractories	Tabcast, insulyte, rockwool matress, ceramic blanket, fire bricks etc.			20
13	Valves	Globe, gate valves, safety valves, check valve etc.		Nos.	20
14	Consumables	Filler rods, welding electrodes, gaskets, sealants etc.			10
15	Air conditioners and its spares	Split, window, package type.			10
16	Spares for Bag stitching machines	Double row			5
17	Fasteners of different sizes & grade	CS, SS & alloy steel		Nos.	5

**(e) Instrumentation Items**

1	Analytical Instruments and spares	Process gas, water analysis	10	Nos	25
2	Field Transmitters and spares	Pressure, Flow, Level, Temp.	50	Nos	20
3	Control Valve and spares	2" to 16", 10 to 250 Bar, 100 to 450 Degc	25	Nos	50
4	Condition monitoring Instruments and spares	Speed, Vibration, Axial Displacement	50	Nos	25
5	Control System spares	Controller, DCS, PLC	25	Nos	150
6	Boiler control instruments	Flame Scanner, Control cards, Solenoid valves	50	Nos	100
7	Miscellaneous Control panel instruments	Relays, Barriers, Converters, Recorders	60	Nos	60
8	Gas Turbine Control Instruments	Control cards, Servo Valves for GE Mark II	20	Nos	60
9	Speed Control Instruments	Governor, Converter, Solenoid Valve	3	Nos	75
10	Pollution Monitoring Instruments	Sensor, Display, Communication Instruments for Stack and Effluent	2	Nos	5
11	Weighing Machine and spares	Automatic Weighing, Road Weigh Bridge	4	Nos	10
12	Miscellaneous Field Instruments	Converters, Positioners, Regulators, Switches	25	Nos	40

**(f) Electrical Items**

1	66 KV switchyard	Procurement of Retrofit/replacement of equipments	2	Bays	75
2	Breakers HT/LT & accessories	Procurement of Retrofit/replacement	4	Nos.	60
3	Motors/Transformers/Generators	Procurement of Retrofit/replacement	5	Nos.	100
4	Insulation materials	Cable joints Tapes Sleeves Compounds Barrels	10 100 100 20 50	Nos Mtrs Mtrs Kgs Barrels	50
5	Meters/relays	Meters/relays	15	Nos.	30
6	Cables	HT LT cables	1000 1000	metres	50
7	LED Lights	LED Lights	700	Nos.	20
8	Solar System	Solar System	1	Nos.	9
9	AVR/PLC	AVR/PLC	1	nos.	75
10	Battery	Battery	2	Nos.	35
11	Electrical Panels	Electrical Panels	3	nos.	11

**(g) Civil Items**

1	Cement	OPC/PPC	70	Tonne	7.66
2	Quick setting cement	Quick setting cement	1	Tonne	0.05
3	Steel Reinforcement	16 / 12 / 10 / 8 / 6 mm dia	3	Tonne	1.50
4	Structural steel	MS Angle, Tee, Channels	3	Tonne	1.80
5	AC Sheet	3.00 m / 2.50 m / 2.00 m	100	Sqm	0.39
6	CGI sheets	3.00 m / 2.50 m / 2.00 m	50	Sqm	0.22
7	Transparent sheets	3.00 m / 2.50 m / 2.00 m	80	Sqm	0.33
8	Bitumen	VG 10	20	Tonne	9.60
9	Epoxy Materials	Resin, Hardner	0.06	Tonne	0.44
		Quartz Sand	0.4	Tonne	0.12
10	Sanitary fittings	EWC, Wash Basin & fittings	10	Nos	5.00
11	GI Pipes with fittings	80, 50, 40, 25 mm dia	300	Meters	2.43
12	PVC Pipes with fittings	50, 40, 25, 20, 15 mm dia	350	Meters	2.43

**(h) Fire & Safety Items**

1	Ammonia Canister		20	Nos	0.112
2	Breathing Apparatus		2	Nos	1.90
3	Explosiometer			Nos	
4	Fire Extinguisher		100	Nos	3.75
5	Flame Detector			Nos	
6	Gas Detector & analyser			Nos	
7	General Fire & safety Items			Pairs/ Nos	7.500
8	Ladder/ Doors of Aluminium(Manufacturer)			Nos	0.150
9	Masks, Suits, Ear Plugs, Gloves, helmets, BA sets etc.			Pairs/Nos	1.50
10	Uniforms/Linen items, Furnishing etc.		30	Pairs/Nos	0.50



Sr. No.	Description of Item	Broad Specification Parameters	Qty	Accounting Unit (Nos./ Meters / Tonne...)	Estimated Value Procurement INR (Lacs)
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**(a) Chemicals, Catalyst, Lube Oil, Neem Oil**

1	Chemicals for Cooling Water treatment	Corrosion Inhibitor, Zinc based corrosion Inhibitor, Dispersant, Bio-Dispersent, Biocide(a) Biocide(b) Chlorine, ClO2 generating chemical	26668.39 7382.76 19467.17 3805.70 3536.40 5422.48 85932.00 4591.01	Kg	115
2	Chemicals for Boiler Feed Water system	Oxygen scavenger, Corrosion Inhibitor	6298.56 3149.28	Ltr.	12
4	Resin	Cataion Resin Anion Resin			
5	Lubricant	IOC & BPCL Oils	32	KL	672
6	Malarial Oil	Not req. for production			
7	Methanol		200	Kg	0.12
10	Potassium Carbonate	K2CO3	72	MT	46
11	Vanadium Pentaoxide	V2O5	2.7	MT	28
12	Di Ethyl Amine		3.2	MT	4.2
14	Glycin		3.0	MT	7.3
15	Caustic Soda Flakes		1908	MT	214
16	Sulphuric Acid		480	MT	53
17	Hydrated Lime		480	MT	53
18	Ferric Alum		876	MT	99
19	Bleaching Powder		12	MT	42
24	Neem Oil			MT	240
25	Glycol		200	Kg	0.5

**(b) Laboratory Chemical & Equipments**

1	Calibration Cylinder		7	Nos	1.70
2	Electronic Balance		2	Nos	0.59
3	Filter Paper Circles		12	Pkts	0.63
4	Gas Flowmeter		3	Nos	1.22
5	Glassware & Plastic ware (Bio fertilizer bottle)			Nos	25.53
6	Laboratory Chemicals			Pkts	6.08
7	Laboratory Equipment		5	Nos	10.13
8	pH Meter		3	Nos	0.74
9	Regulator		5	Nos	0.36
10	Rubber Tubing		200	Meters	0.74
11	Spares for Conductivity Meter		3	Nos	0.37
12	Spares for Gas Chromatograph / Gas Detection Tubes		10	Nos	1.24

**(c) Packaging Materials, General Stores & Stationary**

1	HDPE bags for packaging of Neem Coated Urea	HDPE bags each of 45 Kg packaging capacity , individual weight of 120 Grams having HDPE contents 95 Grms and LDPE contents 25 Grms	67 Lakhs	No	1185.9
2	Urea Packaging Bag Closing Thread Conical Roll Type	Polypropylene Multi filament Twin Conical Roll type, Breaking Strength 8 Kq and above	9000	KG	16.7
3	Annual rate Contract of SKF/FAG bearing		707	No	26.67
4	Industrial Gas	DEA, Argon, Nitrogen, Hydrogen, Oxygen	156	Cylinder	7.4
5	Stationary	Xerox paper A-4 Size+ Computer stationary + Plant related Register, pad, etc			12

**(d) Mechanical Items**

1	Plates and Structural items	Beam, channel, angles, CS plate, SS plate etc			20
2	Spares of steam turbine and centrifugal compressors	Rotor, diaphragm, Bearing, seals, coupling and internals of steam turbine and centrifugal compressors		Nos.	200
3	Spares for heat exchanger	Tubes and other internals		Nos.	20
4	Centrifugal pumps and its spares	Impeller, shafts, bearings, mechanical seals, coupling etc.		Nos.	50
5	Positive displacement pumps and its spares	Plunger, piston, screw, gear, bearings, seals, coupling etc.		No.	80
6	Spares of reciprocating compressors	Piston, crosshead, piston rings, bearings, seals, coupling etc.		Nos.	60
7	Procurement of filters	Air filter, oil filter, urea filters, benefield solution filters etc.		Nos.	60
8	Spares for cooling tower	Wooden structurals, louvers, gearbox, fan etc		Nos.	50
9	Insulation and refractories	Tabcast, insulyte, rockwool mattress, ceramic blanket, fire bricks etc.			20
10	Valves	Globe, gate valves, safety valves, check valve etc.		Nos.	20
11	Consumables	Filler rods, welding electrodes, gaskets, sealants etc.			10
12	Air conditioners and its spares	Split, window, package type.			10

13	Spares for Bag stitching machines	Double row			5
14	Fasteners of different sizes & grade	CS, SS & alloy steel		Nos.	5

**(e) Instrumentation Items**

1	Analytical Instruments and spares	Process gas, water analysis	10	Nos	25
2	Field Transmitters and spares	Pressure, Flow, Level, Temp.	50	Nos	20
3	Control Valve and spares	2" to 16", 10 to 250 Bar, 100 to 450 Degc	25	Nos	50
4	Condition monitoring Instruments and spares	Speed, Vibration, Axial Displacement	50	Nos	25
5	Control System spares	Controller, DCS, PLC	20	Nos	120
6	Boiler control instruments	Flame Scanner, Control cards, Solenoid valves	50	Nos	100
7	Miscellaneous Control panel instruments	Relays, Barriers, Converters, Recorders	100	Nos	80
8	Gas Turbine Control Instruments	Control cards, Servo Valves for GE Mark II	20	Nos	60
9	Speed Control Instruments	Governor, Converter, Solenoid Valve	3	Nos	75
10	Pollution Monitoring Instruments	Sensor, Display, Communication Instruments for Stack and Effluent	2	Nos	4
11	Weighing Machine and spares	Automatic Weighing, Road Weigh Bridge	4	Nos	10
12	Miscellaneous Field Instruments	Converters, Positioners, Regulators, Switches	25	Nos	40
13	Testing, Measuring and Calibration Instruments	Multimeters, Calibrators for various Instruments	4	Nos	5

**(f) Electrical Items**

1	66 KV switchyard	Procurement of Retrofit/replacement of equipments	2	Bays	75
2	Breakers HT/LT & accessories	Procurement of Retrofit/replacement	4	Nos.	50
3	Motors/Transformers/Generators		5	Nos.	100
4	Insulation materials, Tr. Oil	Cable joints Tapes Sleeves compounds/barrels	10 100 100 20 50	Nos Mtrs Mtrs Kgs barrels	60
5	Meters/relays	Meters/relays	15	Nos.	50
6	Cables	HT LT cables	1000 1000	metres	50
7	LED Lights	LED Lights	700	Nos.	20
8	Solar System	Solar System	1	Nos.	9
9	AVR/PLC	AVR/PLC	1	nos.	75
10	Battery	Battery	2	Nos.	35
11	Electrical Panels	Electrical Panels	3	nos.	11

**(g) Civil Items**

1	Cement	OPC/PPC	60	Tonne	6.89
2	Quick setting cement	Quick setting cement	1	Tonne	0.05
3	Steel Reinforcement	16 / 12 / 10 / 8 / 6 mm dia	3	Tonne	1.50
4	Structural steel	MS Angle, Tee, Channels	3	Tonne	1.80
5	AC Sheet	3.00 m / 2.50 m / 2.00 m	100	Sqm	0.40
6	CGI sheets	3.00 m / 2.50 m / 2.00 m	50	Sqm	0.23
7	Transparent sheets	3.00 m / 2.50 m / 2.00 m	80	Sqm	0.34
8	Bitumen	VG 10	20	Tonne	9.60
9	Epoxy Materials	Resin, Hardner	0.06	Tonne	0.46
		Quartz Sand	0.4	Tonne	0.12
10	Railway fittings	PSC Sleeper with fittings	1000	Nos	35.00
		Rail	18	Tonne	8.45
		Fish plate	10	Pare	1.10
		Compound Fish Plate	6	Pare	1.32
		ERC Clip with fittings	3000	Nos	4.14
11	GI Pipes with fittings	80, 50, 40, 25 mm dia	200	Meters	1.70
12	PVC Pipes with fittings	50, 40, 25, 20, 15 mm dia	250	Meters	1.83

**(h) Fire & Safety Items**

1	Ammonia Canister		20	Nos	0.112
2	Breathing Apparatus		1	Nos	0.950
3	Explosiometer		1	Nos	1.250
4	Fire Extinguisher		100	Nos	3.75
5	Flame Detector		1	Nos	0.75
6	Gas Detector & analyser		1	Nos	1.52
7	General Fire & safety Items			Pairs/ Nos	7.500
8	Ladder/ Doors of Aluminium(Manufacturer)			Nos	0.150
9	Masks, Suits, Ear Plugs, Gloves, helmets, BA sets etc.			Pairs/Nos	1.50
10	Uniforms/Linen items, Furnishing etc.		30	Pairs/Nos	0.50