Estimated

Accounting

5 Nos

10 Nos

0.50

1.00

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

Ministry of Chemicals & Fertilizers Name of Ministry:

Disclaimer: The below information is purely indicative and the Ministry of Chemicals & Fertilizers/Department of

Broad Specification Parameters

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 Description of Item

Sr. No.

			Oty	Unit (Nos./ Meters / Tonne)	Value Procurement INR (Lacs)
(a) Che	micals, Catalyst, Lube Oil, Neem Oil	•			
1	Chemicals for Cooling Water treatment	Corrosion Inhabitor, Zinc based corrosion Inhabitor.	26668.39 7382.76		
	treatment		19467.17		
		Dispersant,			
		Bio-Disperesent,	3805.70	l K Cl	115
		Biocide(a)	3536.40		
		Biocide(b)	5422.48		
		Chlorine,	85932.00		
		CIO2 generating chemical.	4591.01		
2	Chemicals for Boiler Feed Water	Oxygen scavenger,	6298.56	Ltr.	12
	system	Corrosion Inhabitor	3149.28		
3	Catalysts				
a	Primary Reformer Catalyst	Nickel based catalyst	25	M3	200
b	Secondary Reformer catalyst	Nickel based catalyst	00.4	1.40	440
С	HT Catalyst	Iron based Catalyst	93.6		440
d	LT Catalyst	Copper Oxide & Zinc oxide	54.62	IVI3	550
e	Methanator Catalyst	Nickel based catalyst	22	N 40	FFO
f	Synthesis Catalyst	Iron based Catalyst		M3	550
4	Resins	Cation	12000	II II	18
		Anion	8000		320
5	Lubricant	IOC & BPCL Oils		KL	
7	Methanol	Aliancia - Deced	200	Kg	0.12
	Alumina, Ceramic Balls & Alumina Sings	Alumina Based		M3	27
10	Potassium Carbonate	K2CO3		MT	46
11	Vanadium Pentaoxide	V2O5		MT	28
12	Di Ethyl Amine			MT	4.2
14	Glycine			MT	7.3
15	Caustic Soda Flex			MT	275
16	Sulphuric Acid		1908		214
17	Hydrated Lime			MT	53
18	Ferric Alum			MT	99
19	Bleaching Power			MT	42
21	Activated Carbon	Carbon	4	MT	3
24	Neem Oil		200		240
25	Glycol		200	Kg	0.5
(b) Lab	oratory Chemical & Equipments				
1	Calibration Cylinder			Nos	1.40
2	Electronic Balance			Nos	1.60
3	Filter Paper Circles			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			Nos	0.60
9	Regulator		7	Nos	0.40
10	Rubber Tubing		300	Meters	0.10
11	Conservation of the Market	1			i e

(c) Packaging Materials, General Stores & Stationary

Spares for Gas Chromatograph / Gas

Spares for Conductivity Meter

Detection Tubes

1	HDPE bags for packaging of Neem	HDPE bags each of 45 Kg packaging capacity, individual			
	Coated Urea	weight of 120 Grams having HDPE contents 95 Grms and	45 Lakhs	No	796.5
		LDPE contents 25 Grms			
2	Urea Packaging Bag Closing Thread	Polypropylene Multi filament Twin Conical Roll type,	9000	KC	16.7
	Conical Roll Type	Breaking Strength 8 Kg and above	7000	KO	10.7
3	Annual rate Contract of SKF/FAG	SKF/Fag Bearing on proprietary basis	707	no	26.67
	bearing		707	110	20.07

				1	r
4	Industrial Gas	DEA, Argon, Nitrogen, Hydrogen, Oxygen	156	Cylinder	7.4
5	Stationary	Xerox paper A-4 Size+ Computer stationary + Plant			12
		related Register, pad, etc			
(d) N/100	howinal House				
(a) ivied	hanical Items Spares of steam turbine and	Rotor, diaphragm, Bearing, seals, coupling and internals			
'	centrifugal compressors	of steam turbine and centrifugal compressors		Nos.	100
	Centinugal compressors	of steam turbine and centinugal compressors		1403.	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			1403.	10
3	Centrilugal pumps and its spares	Impeller, shafts, bearings, mechanical seals, coupling etc.		Nos.	50
4	Positive displacement pumps and its	Plunger, piston, screw, gear, bearings, seals, coupling etc.			
4	spares	i lunger, pistori, screw, gear, bearings, sears, 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			40
		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
					10
12	Insulation and refractories	Tabcast, insulyte, rockwool matress, ceramic blanket, fire			20
		bricks etc.			
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
	6				
17	Fasteners of different sizes & grade	CS, SS & alloy steel		Nos.	5
(a) Inst-	rumentation Items				
(e) instr	Analytical Instruments and spares	Process gas, water analysis			
'	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		Nos	50
4	Condition monitoring Instruments	Speed, Vibration, Axial Displacement			
	and spares	opeou, vibration, rimar propiacoment	50	Nos	25
5	Control System spares	Controller, DCS, PLC	25	Nos	150
6	Boiler control instruments	Flame Scanner, Control cards, Soleniod valves	50	Nos	100
7	Miscelleneous Control panel	Relays, Barriers, Converters, Recorders	100	Nos	80
	instruments	-	100	INOS	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			
	g	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
			25	1103	40
13	Testing, Measuring and Calibration	Multimeters, Calibrators for various Instruments	4	Nos	5
	Instruments			1103	Ŭ
(f) Elect	rical Items	lo , co , ci , i , i , i , i , i , i , i , i ,	-	Б	-
1	66 KV switchyard Breakers HT/LT & accessories	Procurement of Retrofit/replacement of equipments		Bays Nos.	7
3	Motors/Transformers/Generators	Procurement of Retrofit/replacement			9
3	INITION OF THE ISLUTION OF THE ISLUTS	Procurement of Retrofit/replacement	5	Nos.	11
4	Insulation materials/Tr. Oil	Cable joints	3	Nos	
	The state of the s	Tapes		Mtrs	
		Sleeves		Mtrs	25
		Compounds		Kgs	20
		Barrels		Barrels	
5	Meters/relays	Meters/relays		Nos.	3
6	Cables	HT	1000		
		LT cables	500	metres	40
7	Electrical System Study	Electrical System Study		1 Job	5
8	LED Lights	LED Lights		Nos.	15
9	Solar System	Solar System		Nos.	9
10	AVR/PLC	AVR/PLC	1	nos.	25
11	Battery	Battery		Nos.	10
12	Electrical Panels	Electrical Panels	2	nos.	7
(g) Civil		long/ppg		T	1.00
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
4	CI Dinos with fittings	Quartz Sand	0.4	Tonne	0.10
<u>4</u> 5	GI Pipes with fittings PVC Pipes with fittings	80, 50, 40, 25 mm dia 50, 40, 25, 20, 15 mm dia	300 350	Meters Meters	2.10 2.10
J	It volupes with fittings	00, 70, 20, 20, 10 mm uid	300	INICIGIS	2.10
(h) Fire	& Safety Items				
,	Fire & Safety Items				
	process and the state of the st	<u> </u>			1

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
	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

	ial Year	2021-22			
Sr. No.	•	Broad Specification Parameters	Qty	Accounting Unit (Nos./ Meters / Tonne)	Estimated Value Procurement INR (Lacs)
(a) Cher	nicals, Catalyst, Lube Oil, Neem Oil				
1	Chemicals for Cooling Water treatment	Corrosion Inhabitor, Zinc based corrosion Inhabitor, Dispersant, Bio-Disperesent, Biocide(a) Biocide(b) Chlorine,	26668.39 7382.76 19467.17 3805.70 3536.40 5422.48 85932.00	Kg	115
2	Chemicals for Boiler Feed Water system	Oxygen scavenger, Corrosion Inhabitor	6298.56 3149.28	1 111	12
3	Catalysts	odi i odini i i i i di	0117.20		
a	LT Catalyst	Copper Oxide & Zinc oxide	59	M3	650
b	Methanator Catalyst	Nickel based catalyst	17.4	M3	300
6	Resin	Cataion Resin Anion Resin	11248 7313	l Itr	12
7	Lubricant	IOC & BPCL Oils		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		MT	28
12	Di Ethyl Amine		3.2	MT	4.2
13	Glycin			MT	7.3
14	Caustic Soda FLAKES			MT	275
15	Sulphuric Acid		1908		214
16	Hydrated Lime			MT	53
17	Ferric Alum			MT	99
18	Bleaching Powder	0.1	12	MT MT	42
19	Activated Carbon	Carbon	4	MT	3 240
20 21	Neem Oil Glycol			Ltr.	0.5
				Lu.	0.5
	ratory Chemical & Equipments			Ini	1 47
1	Calibration Cylinder			Nos Nos	1.47
2	Electronic Balance			Pkts	0.50 0.53
3	Filter Paper Circles Gas Flowmeter			Nos	1.05
5	Glassware & Plastic ware (Bio		3		
5	fertilizer bottle)			Nos	22.05
6	Laboratory Chemicals			Pkts	5.25
7	Laboratory Equipment		4	Nos	7.00
8	pH Meter			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

(C) Pack	ayıny iviateriais, General Stores & Sta	itionary			
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	67 Lakhs	No	1185.9
		LDPE contents 25 Grms	O7 Editi15	110	1100.7
2	0 0 0	Polypropylene Multi filament Twin Conical Roll type,	9000	KG	16.7
	Conical Roll Type	Breaking Strength 8 Kg and above	,,,,		1017
3	Annual rate Contract of SKF/FAG		707	No	26.67
	bearing		707	140	20.07
4	Industrial Gas	DEA, Argon, Nitrogen, Hydrogen, Oxygen	156	Cylinder	7.4
5	Stationary	Xerox paper A-4 Size+ Computer stationary + Plant			12
		related Register, pad, etc			12

(d) Mechanical Items

reprintary referrence Ammed Joann Ammed Jo	1	Procurement of catalyst tubes of	Procurement of catalyst tubes of primary reformer of	l	l	1
2 Sparrer of GTE-st	'	,		150	Nos.	600
3 Spars of Street and Structural interest contribugal compressors distance and structural interest contribugal compressors distance turbine and seminary seminary savia, coupling and intermals of structural interpretation of structural interpretations of structural interpretat	2	1 3	I · · · ·			1000
4 Spares of steam turbine and centrifugal compressors Nos. 1000 5 Spares for heat exchanger Tubes and other Internals 6 Centrifugal pumps and its spares Implementation Nos. 20 7 Assistee depleament pumps and its Palenger, piston, screw, gae, bearings, seals, coupling etc. Nos. 300 8 Spares of reciprocating compressors Pelson, croshead, piston frings, bearings, seals, coupling etc. Nos. 150 9 Procurement of rittors African Af						
contritugal compressors 5 Spartes for heat exchanger Tubes and other internals 8 Spartes of reciprocating compressors 8 Spartes of reciprocating compressors 8 Spartes of reciprocating compressors Planger, piston, screer, gear, bearings, seals, coupling etc. 9 Procurement of filters 4 Filter, of Ittler, unreal filters, bearings, seals, coupling etc. 9 Procurement of filters 4 Filter, of Ittler, unrea filters, bearings, seals, coupling etc. 10 Spartes for ecoloprocating compressors 11 Searches for Unrea records 12 Searches for Unrea records 13 Searches for Unrea records 14 Insulation and refractories 15 Spartes for conveyor for unea plants 16 Searches for Unrea records 17 Searches for Unrea records 18 Spartes for conveyor for unea plants 19 Enablation and refractories 10 Searches for Unrea records 11 Searches for Unrea records 12 Searches for Unrea records 13 Spartes for conveyor for unea plants 14 Insulation and refractories 15 Cydneys 16 Searches and its spares 16 Control Unread records 17 Searches for Unread records 18 Searches of different sizes & grade 19 Fasteness of different sizes & grade 10 Searches for different sizes & grade 10 Searches of different sizes & grade 11 Searches of different sizes & grade 12 Searches of different sizes & grade 13 Searches of different sizes & grade 14 Condition monitoring ristruments 15 Searches of different sizes & grade 16 Searches of different sizes & grade 17 Searches of different sizes & grade 18 Searches of different sizes & grade 19 Searches of different sizes & grade 10 Searches of diffe						20
Speries for heat exchanger Tubes and other internals Contrifugal pumps and its is spares Phunger, piston, screw, year, bearings, seals, coupling etc. Phunger, piston, screw, year, bearings, seals, coupling etc. Robert of reciprocating compressors Robert of experience of filters Art filter, oil filter, urea filters, bearings, seals, coupling etc. Robert of experience of filters Art filter, oil filter, urea filters, bearings, seals, coupling etc. Robert of experience of filters Art filter, oil filter, urea filters, bearings, seals, coupling Robert of experience of filters Robert of experience of filters Art filter, oil filter, urea filters, bearings, seals, coupling Robert of experience of expe					Nos.	1000
Contrifugal pumps and its spares impelier, sharts, bearings, mechanical seals, coupling etc. Procurement of filters and spares of inciprocaling compressors in the control of filters and spares of inciprocaling compressors in the control of filters and spares of inciprocaling compressors in the control of filters and spares of inciprocaling compressors in the control of filters and spares for turner and filters. All filters of filters than the control of filters and spares for turner and filters and spares for turner and filters. All filters of filters and spares for filters and spares filters and spares filters and spares for filters and spares filters filt						
Positive displacement pumps and its	5	Spares for heat exchanger	Tubes and other internals		Nos.	20
Positive displacement pumps and its	6	Centrifugal pumps and its spares	Impeller, shafts, bearings, mechanical seals, coupling etc.			200
Signers of reciprocating compressors Piston, crosshead, piston rings, bearings, seals, coupling No. 150					NOS.	300
Sparse for reciprocating compressors	7	Positive displacement pumps and its	Plunger, piston, screw, gear, bearings, seals, coupling etc.		No	150
Part Procurement of filters Part Procurement of Part Procurement Procurement of Part Procurement					140.	130
9 Procurement of filters Air filter, oil filter, use filters, benefield solution filters Nos. 60	8	Spares of reciprocating compressors	Piston, crosshead, piston rings, bearings, seals, coupling		Nos.	150
etc.	-	Dun a company and a f filtrana	etc.			
10 Speres for cooling tower Wisdons structurals, busers, pearhox, fan etc Nos. 300	9	Procurement of filters			Nos.	60
11 Spares for Urea reactor Urea grade Liners Malaund make, Elscon make 5 5 5 5 5 5 5 5 5	10	Snares for cooling tower			Nos	300
12 Spares for unes salf strapper Multurd make Elton make 5 20 20 3 3 Spares for conveyor for une plants Belts, pulgers, rolers, etc. 20 20 3 3 5 3 5 3 3 5 3 3						
14 Insulation and refractories Tabcast, Insulyte, rockwool matress, ceramic blanket, fire 20 15 Valves Globe, gate valves, safety valves, check valve etc. 10 10 17 Air conditioners and its spares Split, window, package type. 10 10 10 10 10 10 10 1						
Tabcast, Insulytic, rockwool matress, ceramic blanket, fire 20	13	Spares for conveyor for urea plants	Belts, pulleys, rollers, etc.			20
Introduction Intr						20
15	14	Insulation and refractories	Tabcast, insulyte, rockwool matress, ceramic blanket, fire			20
Top						
17					Nos.	
18 Spares for Bag stitching machines						
19 Fasteners of different sizes & grade CS, SS & alloy steel Nos. 5						10
Pasteners of different sizes & grade CS, SS & alloy steel Nos. 5	18	Spares for Bag stitching machines	Double row			5
Col Instrumentation Items	10	E 1	00.00.0			-
1 Analytical Instruments and spares	19	rasteners of different sizes & grade	ics, ss & alloy steel		Nos.	5
1 Analytical Instruments and spares						
1 Analytical Instruments and spares	(e) Instr	umentation Items				
Pied Transmitters and spares			Process gas, water analysis		I	
3 Control Valve and spares 2" to 16"; 10 to 250 Bar, 100 to 450 Degc 25 Nos 50		runany tisar mistraministra ama spares	i rossas gas, mater analysis	10	Nos	25
4 Condition monitoring instruments Speed, Wibration, Axial Displacement 50 Nos 25	2	Field Transmitters and spares		50	Nos	20
and sparces Controller, DCS, PLC 25, Nos 20			2" to 16", 10 to 250 Bar, 100 to 450 Degc	25	Nos	50
and sparces Controller, DCS, PLC SC So So Sc So So	4	Condition monitoring Instruments	Speed, Vibration, Axial Displacement	50	Nos	25
6 Boller control Instruments Flame Scanner, Control cards, Soleniod 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 Converters, Soleniod Valve 3 Nos 75 10 Pollution Monitoring instruments Governor, Converter, Soleniod Valve 3 Nos 75 11 Weighing Machine and spares Automatic Weighing, Road Weigh Bridge 4 Nos 10 12 Miscellaneous Field Instruments Converters, Positioners, Regulators, Switches 25 Nos 40 12 Miscellaneous Field Instruments Converters, Positioners, Regulators, Switches 25 Nos 40 15 G6 KV switchyard Procurement of Retrofit/replacement of equipments 2 Bays 50 2 Breakers HT/L & 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 100 Mitrs 70 5 Meters/relays Meters/relays 15 Nos 30 6 Cables HT 1000 metres 15 Nos 30 7 Electrical System Study Electrical System Study 1 Job 1 Job 8 8 LED Lights LED Lights 700 Nos 20 9 Solar System 1 Nos 75 75 10 Job 1 Nos 75 75 11 Battery 2 Nos 33 75 75 75 12 Electrical Panels Electrical Panels Electrical Panels 100 100 100 100 100 10 Job 1 Nos 75 75 75 75 75 75 75 7						
Miscelleneous Control panel Relays, Barriers, Converters, Recorders 100 Nos						
Instruments				50	Nos	100
B Gas Turbine Control Instruments Control Cards, Servo Valves for CE Mark II 20 Nos 60			Relays, Barriers, Converters, Recorders	100	Nos	80
Pollution Monitoring Instruments Governor, Converter, Solenoid Valve 3 Nos 75			Control cards, Sarva Valvos for CE Mark II	20	Nos	60
10 Pollution Monitoring Instruments Sensor, Display, Communication Instruments for Stack and Effluent 11 Weighing Machine and spares Automatic Weighing, Road Weigh Bridge 4 Nos 10 10 12 Miscellaneous Field Instruments Converters, Positioners, Regulators, Switches 25 Nos 40 40 40 40 40 40 40 4						
11 Weighing Machine and spares						
11 Weighing Machine and spares Automatic Weighing, Road Weigh Bridge 4 Nos 10 12 Miscellaneous Field Instruments Converters, Positioners, Regulators, Switches 25 Nos 40 40 40 40 40 40 40 4			and Effluent	3	Nos	10
1	11	Weighing Machine and spares	Automatic Weighing, Road Weigh Bridge	4	Nos	10
(f) Electrical Items 1 66 KV switchyard	12	Miscellaneous Field Instruments		25	Nos	40
1 66 KV switchyard				23	1403	40
1 66 KV switchyard						
Breakers HT/LT & accessories		rical Items	D	1 2	IDave	F0
3 Motors/Transformers/Generators Procurement of Retrofit/replacement 5 Nos. 100 4 Insulation materials/Tr. Oil Cable joints 10 Nos 100 Mtrs 70 5 Steeves 100 Mtrs 70 20 Kgs Rarrels 130 harrels 130 harrels 130 harrels 130 harrels 15 Nos. 30 Meters/relays 15 Nos. 30 Meters/relays 15 Nos. 30 Meters/relays 15 Nos. 30 Meters/relays 15 Nos. 30 Meters 1000 Meters 50 Meters/relays 15 Nos. 30 Meters 1000 Meters 50 Meters/relays 15 Nos. 30 Meters 50 Meters/relays 15 Nos. 30 Meters 50 Me		Propkers UT/LT & accessories				
Insulation materials/Tr. Oil Cable joints 10 Nos Tapes 100 Mtrs 1				-		73
Tapes 100 Mtrs 70 Compounds 20 Kgs Rarrels 130 harrels 15 Nos. 30 6 Cables HT]	Wotors/ Transformers/ Generators	Trocarement of Netront/replacement	5	Nos.	100
Tapes 100 Mtrs 70 Compounds 20 Kgs Rarrels 130 harrels 15 Nos. 30 6 Cables HT	4	Insulation materials/Tr. Oil	Cable joints	10	Nos	
Sleeves			-			
Compounds Rarrels 130 harrels 130 harrels 130 harrels 130 harrels 150 hos. 30						70
Rarrels						
6 Cables HT LT cables 1000 metres 50 7 Electrical System Study Electrical System Study 1 Job 1 Job 1 Job 8 8 8 LED Lights 700 Nos. 20 9 Solar System 1 Nos. 9 10 AVR/PLC 1 nos. 75 11 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 1 Tonne 0.47 Bitumen 9 GI 10 30 Tonne 15.00 3 Steel Reinforcement 16/12/10/8/6 mm dia 3 Tonne 15.00 3 15.00 4 Structural steel MS Angle, Tee, Channels 3 Tonne 1.80 3 Tonne 1.80 5 AC Sheet 3.00 m/2.50 m/2.00 m 50 Sqm 0.35 6 CGI sheets 3.00 m/2.50 m/2.00 m<						
7 Electrical System Study Electrical System Study 1 Job 1 Job 8 8 LED Lights T00 Nos. 20 9 Solar System 1 Nos. 9 10 AVR/PLC 1 nos. 75 11 Battery 2 Nos. 35 12 Electrical Panels 3 nos. 11 (g) Civil Items 1 Cement OPC/PPC 60 Tonne 5.95 2 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<						30
7 Electrical System Study Electrical System Study 1 Job 1 Job 8 8 LED Lights T00 Nos. 20 9 Solar System 1 Nos. 9 10 AVR/PLC 1 nos. 75 11 Battery 2 Nos. 35 12 Electrical Panels 3 nos. 11 (g) Civil Items 1 Cement OPC/PPC 60 Tonne 5.95 2 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<	6	Capies		1000	metres	50
8 LED Lights LED Lights 700 Nos. 20 9 Solar System 1 Nos. 9 10 AVR/PLC AVR/PLC 1 nos. 75 11 Battery 2 Nos. 35 12 Electrical Panels 3 nos. 11 (g) Civil Items 1 Cement OPC/PPC 60 Tonne 5.95 2 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	7	Floatrical System Study				
9 Solar System Solar System 1 Nos. 9 10 AVR/PLC AVR/PLC 1 nos. 75 11 Battery 2 Nos. 35 12 Electrical Panels 3 nos. 11 (g) Civil Items 1 Cement OPC/PPC 60 Tonne 5.95 2 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						
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11 Battery Battery 2 Nos. 35 12 Electrical Panels 3 nos. 11 (g) Civil Items 1 Cement OPC/PPC 60 Tonne 5.95 2 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 0.10 9 GI Pipes with fittings 80, 50, 40, 25 mm dia 300 Meters 2.20						
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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						
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						
Quartz Sand 0.4 Tonne 0.10 9 GI Pipes with fittings 80, 50, 40, 25 mm dia 300 Meters 2.20						
			Quartz Sand	0.4	Tonne	
10 PVC Pipes with fittings 50, 40, 25, 20, 15 mm dia 350 Meters 2.20						
	10	PVC Pipes with fittings	50, 40, 25, 20, 15 mm dia	350	Meters	2.20

n) 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
Financiai Year	ZUZZ-Z3

Sr. No.	Description of Item	Broad Specification Parameters	Qty	Accounting Unit (Nos./ Meters / Tonne)	Estimated Value Procurement INR (Lacs)
(a) Chen	nicals, Catalyst, Lube Oil, Neem Oil				
1	Chemicals for Cooling Water treatment	Corrosion Inhabitor,	26668.39 7382.76		
	treatment	Zinc based corrosion Inhabitor,			
		Dispersant,	19467.17		
		Bio-Disperesent,	3805.70	I KO	115
		Biocide(a)	3536.40		
		Biocide(b)	5422.48		
		Chlorine,	85932.00		
2	Chemicals for Boiler Feed Water	CIO2 generating chemical	4591.01 6298.56		
2		Oxygen scavenger,		I Ifr	12
3	system Catalysts	Corrosion Inhabitor	3149.28		
a	Secondary Reformer catalyst	Nickel based catalyst	34.6	M2	600
b b	Methanator Catalyst	Nickel based catalyst	18.4		350
6	Resin	Cataion Resin Anion Resin	10.4	IVIO	330
	Lubricant	IOC & BPCL Oils	40	KL	400
8	Methanol	IOC & BPCL OIIS	200		0.12
9	Alumina, Ceramic Balls & Alumina	Alumina Based		J	0.12
	Sings			M3	12
	Potassium Carbonate	K2CO3		MT	46
11	Venadium Pentaoxide	V2O5		MT	28
	Di Ethyl Amine			MT	4.2
13	Glycin			MT	7.3
14	Caustic Soda Flakes		1908		214
15	Sulphuric Acid			MT	53
	Hydrated Lime			MT	53
	Ferric Alum		876		99
18	Bleaching Powder		12	MT	42
	Neem Oil		000	MT	240
20	Glycol		200	Kg	0.5
/b) Laba	ratory Chemical & Equipments				
(b) Labo	Calibration Cylinder		7	Nos	1.54
	Electronic Balance			Nos	0.53
	Filter Paper Circles			Pkts	0.56
4	Gas Flowmeter			Nos	1.47
5	Glassware & Plastic ware (Bio		4	INOS	1.47
5	fertilizer bottle)			Nos	23.15
6	Laboratory Chemicals			Pkts	5.51
7	Laboratory Equipment			Nos	9.19
8	pH Meter			Nos	0.67
	Regulator			Nos	0.32
	Rubber Tubing			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

	aging materials, comoral crosses a cro	• • •			
	0 . 0 0	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
		Polypropylene Multi filament Twin Conical Roll type, Breaking Strength 8 Kg and above	9000	KG	16.7
	Annual rate Contract of SKF/FAG bearing		707	No	26.67
4	Industrial Gas	DEA, Argon, Nitrogen, Hydrogen, Oxygen	156	Cylinder	7.4
5	1	Xerox paper A-4 Size+ Computer stationary + Plant related Register, pad, etc			12

(d) Mechanical Items

1				1	1
	-	Procurement of catalyst tubes of primary reformer of	240	Nos.	1000
<u> </u>	primary reformer	Amm-III plant			45
3	Plates and Structural items	Beam, channel, angles, CS plate, SS plate etc Rotor, diaphragm, Bearing, seals, coupling and internals			15
-	Spares of steam turbine and centrifugal compressors	of steam turbine and centrifugal compressors		Nos.	200
	centinugai compressors	or steam turbine and centinugal compressors		1403.	200
4	Centrifugal pumps and its spares	Impeller, shafts, bearings, mechanical seals, coupling etc.			
	oontinagai pamps ana its spares	impener, shares, bearings, mechanical seals, coupling etc.		Nos.	50
5	Positive displacement pumps and its	Plunger, piston, screw, gear, bearings, seals, coupling etc.			00
	spares	german ge		No.	80
6	Spares of reciprocating compressors	Piston, crosshead, piston rings, bearings, seals, coupling		Nos.	80
		etc.		1403.	00
7	Procurement of filters	Air filter, oil filter, urea filters, benefield solution filters		Nos.	60
	Constant of the constant of th	etc.			
8	Spares for cooling tower Insulation and refractories	Wooden structurals, louvers, gearbox, fan etc Tabcast, insulyte, rockwool matress, ceramic blanket, fire		Nos.	50
9	insulation and remactories	bricks etc.			20
10	Valves	Globe, gate valves, safety valves, check valve etc.		Nos.	15
11	Consumables	Filler rods, welding electrodes, gaskets, sealants etc.		1403.	10
12	Air conditioners and its spares	Split, window, package type.			10
13	Spares for Bag stitching machines	Double row			
15	spares for bag stitering macrimes	Bouble Tow			5
14	Fasteners of different sizes & grade	CS, SS & alloy steel		NI	-
	,			Nos.	5
	umentation Items				
1	Analytical Instruments and spares	Process gas, water analysis	10	Nos	25
	Field Transmitters and spares	Pressure, Flow, Level, Temp.		Nos	20
	Control Valve and spares	2" to 16", 10 to 250 Bar, 100 to 450 Degc	25	Nos	50
4	Condition monitoring Instruments	Speed, Vibration, Axial Displacement	50	Nos	25
	and spares	0 + 11 - 000 010			
5	Control System spares	Controller, DCS, PLC		Nos	100
6	Boiler control instruments	Flame Scanner, Control cards, Soleniod valves	40	Nos	80
7	Miscelleneous Control panel	Relays, Barriers, Converters, Recorders	80	Nos	60
	instruments				
	Gas Turbine Control Instruments	Control cards, Servo Valves for GE Mark II		Nos	60
	Speed Control Instruments	Governor, Converter, Solenoid Valve	3	Nos	75
10	Pollution Monitoring Instruments	Sensor, Display, Communication Instruments for Stack	3	Nos	10
11	Maintein - Mantein - and	and Effluent	4	Noo	10
	Weighing Machine and spares Miscellaneous Field Instruments	Automatic Weighing, Road Weigh Bridge Converters, Positioners, Regulators, Switches		Nos Nos	10 40
	Testing, Measuring and Calibration	Multimeters, Calibrators for various Instruments	23	INUS	40
13	Instruments	ividitimeters, calibrators for various instruments	4	Nos	5
	instruments			l .	1
(f) Electr	rical Items				
	66 KV switchyard	Procurement of Retrofit/replacement of equipments		Bays	
2					75
	Breakers HT/LT & accessories	Procurement of Retrofit/replacement	4	Nos.	75 75
3	Breakers HT/LT & accessories Motors/Transformers/Generators	Procurement of Retrofit/replacement Procurement of Retrofit/replacement	4		
3			4 5	Nos.	75
	Motors/Transformers/Generators Insulation materials/Tr. Oil	Procurement of Retrofit/replacement Cable joints Tapes	4 5 10	Nos.	75
	Motors/Transformers/Generators Insulation materials/Tr. Oil	Procurement of Retrofit/replacement Cable joints	4 5 10 100 100	Nos. Nos Nos Mtrs Mtrs	75
	Motors/Transformers/Generators Insulation materials/Tr. Oil	Procurement of Retrofit/replacement Cable joints Tapes	4 5 10 100 100 20	Nos. Nos Nos Mtrs Mtrs Kgs	75 150
4	Motors/Transformers/Generators Insulation materials/Tr. Oil	Procurement of Retrofit/replacement Cable joints Tapes Sleeves Compounds T oil	4 5 10 100 100 20 50	Nos. Nos Nos Mtrs Mtrs Kgs barrels	75 150 50
5	Motors/Transformers/Generators Insulation materials/Tr. Oil Meters/relays	Procurement of Retrofit/replacement Cable joints Tapes Sleeves Compounds T nil Meters/relays	4 5 10 100 100 20 50 15	Nos. Nos. Nos Mtrs Mtrs Kgs barrels Nos.	75 150
4	Motors/Transformers/Generators Insulation materials/Tr. Oil	Procurement of Retrofit/replacement Cable joints Tapes Sleeves Compounds T ail Meters/relays HT	4 5 10 100 100 20 50 15	Nos. Nos Nos Mtrs Mtrs Kgs barrels Nos.	75 150 50 30
5 6	Motors/Transformers/Generators Insulation materials/Tr. Oil Meters/relays Cables	Procurement of Retrofit/replacement Cable joints Tapes Sleeves Compounds T nil Meters/relays HT LT cables	4 5 10 100 100 20 50 15 1000	Nos. Nos. Nos Mtrs Mtrs Kgs barrels Nos. metres	75 150 50 30 50
5 6	Motors/Transformers/Generators Insulation materials/Tr. Oil Meters/relays Cables LED Lights	Procurement of Retrofit/replacement Cable joints Tapes Sleeves Compounds T nil Meters/relays HT LT cables LED Lights	4 5 10 100 100 20 50 15 1000 1000	Nos. Nos. Nos Mtrs Mtrs Mtrs Kgs barrels Nos. metres Nos.	75 150 50 30 50 20
5 6 7 8	Motors/Transformers/Generators Insulation materials/Tr. Oil Meters/relays Cables LED Lights Solar System	Procurement of Retrofit/replacement Cable joints Tapes Sleeves Compounds T nil Meters/relays HT LT cables LED Lights Solar System	4 5 100 100 20 50 155 1000 1000 700	Nos. Nos. Nos Nos Mtrs Mtrs Kgs barrels Nos. metres Nos. Nos.	75 150 50 30 50 20 9
5 6 7 8	Motors/Transformers/Generators Insulation materials/Tr. Oil Meters/relays Cables LED Lights Solar System AVR/PLC	Procurement of Retrofit/replacement Cable joints Tapes Sleeves Compounds T nil Meters/relays HT LT cables LED Lights Solar System AVR/PLC	4 5 10 100 100 20 50 15 1000 1000 7000	Nos. Nos. Nos Nos Mtrs Mtrs Mtrs Kgs harrels Nos. metres Nos. Nos. nos.	75 150 50 30 50 20 9 75
5 6 7 8 9	Motors/Transformers/Generators Insulation materials/Tr. Oil Meters/relays Cables LED Lights Solar System AVR/PLC Battery	Procurement of Retrofit/replacement Cable joints Tapes Sleeves Compounds T oil Meters/relays HT LT cables LED Lights Solar System AVR/PLC Battery	4 5 10 100 100 20 50 15 1000 1000 700 1	Nos. Nos. Nos Mtrs Mtrs Mtrs Kgs harrels Nos. metres Nos. Nos. Nos. Nos.	75 150 50 30 50 20 9 75 35
5 6 7 8 9	Motors/Transformers/Generators Insulation materials/Tr. Oil Meters/relays Cables LED Lights Solar System AVR/PLC	Procurement of Retrofit/replacement Cable joints Tapes Sleeves Compounds T nil Meters/relays HT LT cables LED Lights Solar System AVR/PLC	4 5 10 100 100 20 50 15 1000 1000 700 1	Nos. Nos. Nos Nos Mtrs Mtrs Mtrs Kgs harrels Nos. metres Nos. Nos. nos.	75 150 50 30 50 20 9 75
5 6 7 8 9 10	Motors/Transformers/Generators Insulation materials/Tr. Oil Meters/relays Cables LED Lights Solar System AVR/PLC Battery Electrical Panels	Procurement of Retrofit/replacement Cable joints Tapes Sleeves Compounds T oil Meters/relays HT LT cables LED Lights Solar System AVR/PLC Battery	4 5 10 100 100 20 50 15 1000 1000 700 1	Nos. Nos. Nos Mtrs Mtrs Mtrs Kgs harrels Nos. metres Nos. Nos. Nos. Nos.	75 150 50 30 50 20 9 75 35
5 6 7 8 9	Motors/Transformers/Generators Insulation materials/Tr. Oil Meters/relays Cables LED Lights Solar System AVR/PLC Battery Electrical Panels	Procurement of Retrofit/replacement Cable joints Tapes Sleeves Compounds T oil Meters/relays HT LT cables LED Lights Solar System AVR/PLC Battery	4 5 10 100 100 20 50 15 1000 1000 700 1	Nos. Nos. Nos Nos Mtrs Mtrs Kgs barrels Nos. metres Nos. Nos. Nos. nos.	75 150 50 30 50 20 9 75 35
5 6 7 8 9 10 11	Motors/Transformers/Generators Insulation materials/Tr. Oil Meters/relays Cables LED Lights Solar System AVR/PLC Battery Electrical Panels Items	Procurement of Retrofit/replacement Cable joints Tapes Sleeves Compounds T nil Meters/relays HT LT cables LED Lights Solar System AVR/PLC Battery Electrical Panels	4 5 10 100 100 20 50 15 1000 1000 700 1 1 1 2	Nos. Nos. Nos. Nos Mtrs Mtrs Mtrs Kgs harrels Nos. metres Nos. Nos. nos. Tonne	75 150 50 30 50 20 9 75 35
5 6 7 8 9 10 11	Motors/Transformers/Generators Insulation materials/Tr. Oil Meters/relays Cables LED Lights Solar System AVR/PLC Battery Electrical Panels Items Cement	Procurement of Retrofit/replacement Cable joints Tapes Sleeves Compounds T nil Meters/relays HT LT cables LED Lights Solar System AVR/PLC Battery Electrical Panels OPC/PPC	4 5 10 100 1000 20 50 15 1000 7000 71 1 2 3	Nos. Nos. Nos. Nos. Nos Mtrs Mtrs Kgs harrels Nos. metres Nos. Nos. nos. Tonne Sqm	75 150 50 30 50 20 9 75 35 11
5 6 7 8 9 10 11	Motors/Transformers/Generators Insulation materials/Tr. Oil Meters/relays Cables LED Lights Solar System AVR/PLC Battery Electrical Panels Items Cement AC Sheet	Procurement of Retrofit/replacement Cable joints Tapes Sleeves Compounds T nil Meters/relays HT LT cables LED Lights Solar System AVR/PLC Battery Electrical Panels OPC/PPC 3.00 m / 2.50 m / 2.00 m	4 5 10 100 100 20 50 15 1000 1000 700 1 1 2 3	Nos. Nos. Nos. Nos. Nos Mtrs Mtrs Kgs harrels Nos. metres Nos. Nos. nos. Tonne Sqm	75 150 50 30 50 20 9 75 35 11
5 6 7 8 9 10 11	Motors/Transformers/Generators Insulation materials/Tr. Oil Meters/relays Cables LED Lights Solar System AVR/PLC Battery Electrical Panels Items Cement AC Sheet	Procurement of Retrofit/replacement Cable joints Tapes Sleeves Compounds T oil Meters/relays HT LT cables LED Lights Solar System AVR/PLC Battery Electrical Panels OPC/PPC 3.00 m / 2.50 m / 2.00 m Resin, Hardner	4 5 10 100 100 20 50 15 1000 1000 700 1 1 2 3 3	Nos. Nos. Nos Mtrs Mtrs Kgs harrels Nos. metres Nos. nos. Tonne Sqm Tonne Tonne	75 150 50 30 50 20 9 75 35 11
5 6 7 8 9 10 11 (q) Civil	Motors/Transformers/Generators Insulation materials/Tr. Oil Meters/relays Cables LED Lights Solar System AVR/PLC Battery Electrical Panels tems Cement AC Sheet Epoxy Materials	Procurement of Retrofit/replacement Cable joints Tapes Sleeves Compounds T nil Meters/relays HT LT cables LED Lights Solar System AVR/PLC Battery Electrical Panels OPC/PPC 3.00 m / 2.50 m / 2.00 m Resin, Hardner Quartz Sand Tung rail set Rail	4 5 10 100 1000 20 50 15 1000 700 700 1 1 1 2 3 3 50 100 0.06 0.04	Nos. Nos. Nos. Nos Mtrs Mtrs Mtrs Kgs barrels Nos. metres Nos. Nos. nos. Tonne Sqm Tonne Tonne Pare Tonne	75 150 50 30 50 20 9 75 35 11 5.20 0.35 0.42 0.11 68.00 7.68
5 6 7 8 9 10 11 (q) Civil	Motors/Transformers/Generators Insulation materials/Tr. Oil Meters/relays Cables LED Lights Solar System AVR/PLC Battery Electrical Panels tems Cement AC Sheet Epoxy Materials	Procurement of Retrofit/replacement Cable joints Tapes Sleeves Compounds T nil Meters/relays HT LT cables LED Lights Solar System AVR/PLC Battery Electrical Panels OPC/PPC 3.00 m / 2.50 m / 2.00 m Resin, Hardner Quartz Sand Tung rail set Rail Fish plate	4 5 10 100 1000 20 50 15 1000 7000 1 1 2 3 3 50 100 0.06 0.06	Nos. Nos. Nos. Nos Mtrs Mtrs Mtrs Kgs harrels Nos. metres Nos. Nos. nos. Tonne Sqm Tonne Tonne Pare Tonne Pare	75 150 50 30 50 20 9 75 35 11 5.20 0.35 0.42 0.11 68.00 7.68 1.00
5 6 7 8 9 10 11 (q) Civil	Motors/Transformers/Generators Insulation materials/Tr. Oil Meters/relays Cables LED Lights Solar System AVR/PLC Battery Electrical Panels tems Cement AC Sheet Epoxy Materials	Procurement of Retrofit/replacement Cable joints Tapes Sleeves Compounds T oil Meters/relays HT LT cables LED Lights Solar System AVR/PLC Battery Electrical Panels OPC/PPC 3.00 m / 2.50 m / 2.00 m Resin, Hardner Quartz Sand Tung rail set Rail Fish plate Compound Fish Plate	4 5 10 100 100 20 50 15 1000 1000 700 1 1 2 3 3 50 100 0.06 0.4 2 2 18	Nos. Nos. Nos. Nos. Nos. Mtrs Mtrs Kgs harrels Nos. metres Nos. Nos. nos. Tonne Sqm Tonne Tonne Pare Pare Pare	75 150 50 30 50 20 9 75 35 11 5.20 0.35 0.42 0.11 68.00 7.68 1.00
5 6 7 8 9 10 11 (q) Civil 1 1 2 3	Motors/Transformers/Generators Insulation materials/Tr. Oil Meters/relays Cables LED Lights Solar System AVR/PLC Battery Electrical Panels Items Cement AC Sheet Epoxy Materials Railway fittings	Procurement of Retrofit/replacement Cable joints Tapes Sleeves Compounds T ail Meters/relays HT LT cables LED Lights Solar System AVR/PLC Battery Electrical Panels OPC/PPC 3.00 m / 2.50 m / 2.00 m Resin, Hardner Quartz Sand Tung rail set Rail Fish plate Compound Fish Plate ERC Clip with fittings	4 5 10 100 100 20 50 15 1000 1000 700 1 1 2 2 3 3 50 100 0.06 0.4 2 18 10 0.06 0.4 2 0.4 2 0.4 10 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.	Nos. Nos. Nos. Nos. Nos. Mtrs Mtrs Kgs barrels Nos. metres Nos. Nos. nos. Tonne Sqm Tonne Tonne Pare Tonne Pare Pare Nos.	75 150 50 30 50 20 9 75 35 11 5.20 0.35 0.42 0.11 68.00 7.68 1.00 1.20 3.75
5 6 7 8 9 10 11 1 2 3 3	Motors/Transformers/Generators Insulation materials/Tr. Oil Meters/relays Cables LED Lights Solar System AVR/PLC Battery Electrical Panels tems Cement AC Sheet Epoxy Materials Railway fittings GI Pipes with fittings	Procurement of Retrofit/replacement Cable joints Tapes Sleeves Compounds T ail Meters/relays HT LT cables LED Lights Solar System AVR/PLC Battery Electrical Panels OPC/PPC 3.00 m / 2.50 m / 2.00 m Resin, Hardner Quartz Sand Tung rail set Rail Fish plate Compound Fish Plate ERC Clip with fittings 80, 50, 40, 25 mm dia	4 5 10 100 100 20 50 15 1000 700 71 1 1 2 3 3 50 100 0.06 0.4 2 18 18 10 0.06 0.04 0.04 0.04 0.04 0.04 0.04 0.0	Nos. Nos. Nos Nos Mtrs Kgs harrels Nos. metres Nos. Nos. nos. Tonne Sqm Tonne Tonne Pare Tonne Pare Nos Nos Mos Mos Tonne Nos	75 150 50 30 50 20 9 75 35 11 5.20 0.35 0.42 0.11 68.00 7.68 1.00 1.20 3.75 1.54
5 6 7 8 9 10 11 (q) Civil 1 1 2 3	Motors/Transformers/Generators Insulation materials/Tr. Oil Meters/relays Cables LED Lights Solar System AVR/PLC Battery Electrical Panels Items Cement AC Sheet Epoxy Materials Railway fittings	Procurement of Retrofit/replacement Cable joints Tapes Sleeves Compounds T ail Meters/relays HT LT cables LED Lights Solar System AVR/PLC Battery Electrical Panels OPC/PPC 3.00 m / 2.50 m / 2.00 m Resin, Hardner Quartz Sand Tung rail set Rail Fish plate Compound Fish Plate ERC Clip with fittings	4 5 10 100 100 20 50 15 1000 1000 700 1 1 2 2 3 3 50 100 0.06 0.4 2 18 10 0.06 0.4 2 0.4 2 0.4 10 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.	Nos. Nos. Nos Nos Mtrs Kgs harrels Nos. metres Nos. Nos. nos. Tonne Sqm Tonne Tonne Pare Tonne Pare Nos Nos Mos Mos Tonne Nos	75 150 50 30 50 20 9 75 35 11 5.20 0.35 0.42 0.11 68.00 7.68 1.00 1.20 3.75
5 6 7 8 9 10 11 1 2 3 4	Motors/Transformers/Generators Insulation materials/Tr. Oil Meters/relays Cables LED Lights Solar System AVR/PLC Battery Electrical Panels Items Cement AC Sheet Epoxy Materials Railway fittings GI Pipes with fittings PVC Pipes with fittings	Procurement of Retrofit/replacement Cable joints Tapes Sleeves Compounds T ail Meters/relays HT LT cables LED Lights Solar System AVR/PLC Battery Electrical Panels OPC/PPC 3.00 m / 2.50 m / 2.00 m Resin, Hardner Quartz Sand Tung rail set Rail Fish plate Compound Fish Plate ERC Clip with fittings 80, 50, 40, 25 mm dia	4 5 10 100 100 20 50 15 1000 700 71 1 1 2 3 3 50 100 0.06 0.4 2 18 18 10 0.06 0.04 0.04 0.04 0.04 0.04 0.04 0.0	Nos. Nos. Nos Nos Mtrs Kgs harrels Nos. metres Nos. Nos. nos. Tonne Sqm Tonne Tonne Pare Tonne Pare Nos Nos Mos Mos Tonne Nos	75 150 50 30 50 20 9 75 35 11 5.20 0.35 0.42 0.11 68.00 7.68 1.00 1.20 3.75 1.54
4 5 6 7 8 9 10 11 (g) Civil 1 2 3 4 (h) Fire &	Motors/Transformers/Generators Insulation materials/Tr. Oil Meters/relays Cables LED Lights Solar System AVR/PLC Battery Electrical Panels Items Cement AC Sheet Epoxy Materials Railway fittings GI Pipes with fittings PVC Pipes with fittings 8 Safety Items	Procurement of Retrofit/replacement Cable joints Tapes Sleeves Compounds T ail Meters/relays HT LT cables LED Lights Solar System AVR/PLC Battery Electrical Panels OPC/PPC 3.00 m / 2.50 m / 2.00 m Resin, Hardner Quartz Sand Tung rail set Rail Fish plate Compound Fish Plate ERC Clip with fittings 80, 50, 40, 25 mm dia	4 5 10 100 1000 20 50 15 1000 1000 7000 1 1 1 2 3 3 50 100 0.06 0.4 2 18 10 6 3000 200 200 200 200 200 200 200 200 20	Nos. Nos. Nos. Nos. Nos. Mtrs Mtrs Mtrs Kgs harrels Nos. metres Nos. nos. Nos. nos. Tonne Sqm Tonne Tonne Tonne Pare Pare Nos Meters Meters	75 150 50 30 50 20 9 75 35 11 5.20 0.35 0.42 0.11 68.00 7.68 1.00 1.20 3.75 1.54
4 5 6 7 8 9 10 11 (q) Civil 1 2 3 4 5 6 (h) Fire a	Motors/Transformers/Generators Insulation materials/Tr. Oil Meters/relays Cables LED Lights Solar System AVR/PLC Battery Electrical Panels Items Cement AC Sheet Epoxy Materials Railway fittings GI Pipes with fittings PVC Pipes with fittings & Safety Items Ammonia Canister	Procurement of Retrofit/replacement Cable joints Tapes Sleeves Compounds T ail Meters/relays HT LT cables LED Lights Solar System AVR/PLC Battery Electrical Panels OPC/PPC 3.00 m / 2.50 m / 2.00 m Resin, Hardner Quartz Sand Tung rail set Rail Fish plate Compound Fish Plate ERC Clip with fittings 80, 50, 40, 25 mm dia	4 5 10 100 1000 20 50 15 1000 1000 7000 1 1 2 3 3 50 100 0.06 0.4 2 18 10 6 3000 200 250	Nos. Nos. Nos. Nos. Nos. Mtrs Mtrs Kgs harrels Nos. metres Nos. nos. Nos. nos. Tonne Sqm Tonne Tonne Pare Pare Nos Meters Meters	75 150 50 30 50 20 9 75 35 11 5.20 0.35 0.42 0.11 68.00 7.68 1.00 1.20 3.75 1.54 1.65
4 5 6 7 8 9 10 11 1 2 3 4 (a) Civil 1 5 6 (b) Fire & 1 2 2	Motors/Transformers/Generators Insulation materials/Tr. Oil Meters/relays Cables LED Lights Solar System AVR/PLC Battery Electrical Panels Items Cement AC Sheet Epoxy Materials Railway fittings GI Pipes with fittings PVC Pipes with fittings & Safety Items Ammonia Canister Breathing Apparatus	Procurement of Retrofit/replacement Cable joints Tapes Sleeves Compounds T ail Meters/relays HT LT cables LED Lights Solar System AVR/PLC Battery Electrical Panels OPC/PPC 3.00 m / 2.50 m / 2.00 m Resin, Hardner Quartz Sand Tung rail set Rail Fish plate Compound Fish Plate ERC Clip with fittings 80, 50, 40, 25 mm dia	4 5 10 100 1000 20 50 15 1000 1000 700 1 1 2 2 3 3 50 100 0.06 0.4 2 2 18 10 6 3000 200 200 200 200 200 200 200 200 20	Nos. Nos. Nos. Nos. Nos. Nos. Mtrs Mtrs Kgs barrels Nos. metres Nos. Nos. nos. Tonne Sqm Tonne Tonne Pare Tonne Pare Nos Meters Meters Nos Nos Nos	75 150 50 30 50 20 9 75 35 11 5.20 0.35 0.42 0.11 68.00 7.68 1.00 1.20 3.75 1.54 1.65
4 5 6 7 8 9 10 11 1 2 3 4 (a) Civil 1 2 3 4 (b) Fire 6	Motors/Transformers/Generators Insulation materials/Tr. Oil Meters/relays Cables LED Lights Solar System AVR/PLC Battery Electrical Panels Items Cement AC Sheet Epoxy Materials Railway fittings Railway fittings PVC Pipes with fittings PVC Pipes with fittings Ammonia Canister Breathing Apparatus Explosiometer	Procurement of Retrofit/replacement Cable joints Tapes Sleeves Compounds T ail Meters/relays HT LT cables LED Lights Solar System AVR/PLC Battery Electrical Panels OPC/PPC 3.00 m / 2.50 m / 2.00 m Resin, Hardner Quartz Sand Tung rail set Rail Fish plate Compound Fish Plate ERC Clip with fittings 80, 50, 40, 25 mm dia	4 5 10 100 1000 20 50 15 1000 700 700 700 11 1 1 2 3 3 50 100 0.06 0.4 2 2 18 10 6 3000 250 250 250 250 250 250 250 250 250	Nos. Nos. Nos. Nos. Nos Mtrs Mtrs Kgs barrels Nos. metres Nos. Nos. nos. Tonne Sqm Tonne Tonne Pare Tonne Pare Pare Nos Meters Meters Nos Nos Nos	75 150 50 30 50 20 9 75 35 11 5.20 0.35 0.42 0.11 68.00 7.68 1.00 1.20 3.75 1.54 1.65
4 5 6 7 8 9 10 11 (g) Civil 1 2 3 4 (h) Fire 6 1 2 3 4	Motors/Transformers/Generators Insulation materials/Tr. Oil Meters/relays Cables LED Lights Solar System AVR/PLC Battery Electrical Panels Items Cement AC Sheet Epoxy Materials Railway fittings GI Pipes with fittings PVC Pipes with fittings PVC Pipes with fittings & Safety Items Ammonia Canister Breathing Apparatus Explosiometer Fire Extinguisher	Procurement of Retrofit/replacement Cable joints Tapes Sleeves Compounds T ail Meters/relays HT LT cables LED Lights Solar System AVR/PLC Battery Electrical Panels OPC/PPC 3.00 m / 2.50 m / 2.00 m Resin, Hardner Quartz Sand Tung rail set Rail Fish plate Compound Fish Plate ERC Clip with fittings 80, 50, 40, 25 mm dia	4 5 10 100 1000 20 50 15 1000 7000 700 700 0.06 0.4 2 18 10 6 3000 200 250	Nos. Nos. Nos. Nos. Nos. Nos Mtrs Mtrs Kgs barrels Nos. metres Nos. Nos. nos. Nos. nos. Tonne Sqm Tonne Tonne Pare Tonne Pare Pare Mos Meters Meters Nos Nos Nos	75 150 50 30 50 20 9 75 35 11 5.20 0.35 0.42 0.11 68.00 7.68 1.00 1.20 3.75 1.54 1.65
5 6 7 8 9 10 11 2 3 4 (g) Civil 1 1 2 3 6 (h) Fire 3	Motors/Transformers/Generators Insulation materials/Tr. Oil Meters/relays Cables LED Lights Solar System AVR/PLC Battery Electrical Panels Items Cement AC Sheet Epoxy Materials Railway fittings Railway fittings PVC Pipes with fittings PVC Pipes with fittings Ammonia Canister Breathing Apparatus Explosiometer	Procurement of Retrofit/replacement Cable joints Tapes Sleeves Compounds T ail Meters/relays HT LT cables LED Lights Solar System AVR/PLC Battery Electrical Panels OPC/PPC 3.00 m / 2.50 m / 2.00 m Resin, Hardner Quartz Sand Tung rail set Rail Fish plate Compound Fish Plate ERC Clip with fittings 80, 50, 40, 25 mm dia	4 5 10 100 100 20 50 15 1000 700 700 700 11 1 1 2 3 3 50 100 0.06 0.4 2 2 18 10 6 3000 250 250 250 250 250 250 250 250 250	Nos. Nos. Nos. Nos. Nos. Nos Mtrs Mtrs Kgs barrels Nos. nos. Nos. nos. Nos. nos. Tonne Sqm Tonne Tonne Tonne Pare Pare Pare Pare Mos Meters Meters Nos Nos Nos Nos	75 150 50 30 50 20 9 75 35 11 5.20 0.35 0.42 0.11 68.00 7.68 1.00 1.20 3.75 1.54 1.65

7	General Fire & safety Items		Pairs/ Nos	7.500
8	Ladder/ Doors of		Nos	0.150
	Aluminium(Manufacturer)		1103	0.130
9	Masks, Suits, Ear Plugs, Gloves,		Pairs/Nos	1.50
	helmets, BA sets etc.		Fall 3/ NO3	1.50
10	Uniforms/Linen items, Furnishing	30	Pairs/Nos	0.50
	etc	30	Fall 3/ INU3	0.50

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	Financial Year 2023-24				
Sr. No.	Description of Item	Broad Specification Parameters	Qty	Accounting Unit (Nos./ Meters /	Estimated Value Procurement
(-) Ob	sianta Catabat Laba Cil Nasara Cil			Tonne)	INR (Lacs)
	nicals, Catalyst, Lube Oil, Neem Oil	lo	0///0.00	ı	I
1	Chemicals for Cooling Water	Corrosion Inhabitor,	26668.39		
	treatment	Zinc based corrosion Inhabitor, Dispersant,	7382.76 19467.17		
		Bio-Disperesent,	3805.70		
		Biocide(a)	3536.40	Kg	115
		Biocide(b)	5422.48		
		Chlorine,	85932.00		
		CIO2 generating chemical	4591 N1		
2	Chemicals for Boiler Feed Water	Oxygen scavenger,	6298.56	1 111	12
3	system Catalysts	Corrosion Inhabitor	3149.28		
a	Catalysts Synthesis Catalyst	Iron based Catalyst	32.7	M3	650
4	Resin	Cataion Resin	11248		
·		Anion Resin	7313	II Tr	12
5	Lubricant	IOC & BPCL Oils	400		400
6	Methanol		200	Kg	0.12
	Potassium Carbonate	K2CO3		MT	46
8	Vanadium Pentaoxide	V2O5		MT	28
	Di Ethyl Amine			MT	4.2
10 11	Glycin Caustic Soda Flakes		1908	MT	7.3 214
	Sulphuric Acid			MT	53
	Hydrated Lime			MT	53
	Ferric Alum		876	MT	99
15	Bleaching Powder		12	MT	42
	Neem Oil			MT	240
17	Glycol		200	Kg	0.5
/b\ Laba	roton: Chomical 9 Favinasanto				
(b) Labo	ratory Chemical & Equipments Calibration Cylinder		7	Nos	1.62
	Electronic Balance		2		0.56
	Filter Paper Circles			Pkts	0.60
5	Gas Flowmeter			Nos	1.16
6	Glassware & Plastic ware (Bio			Nos	24.31
	fertilizer bottle)				
7	Laboratory Chemicals			Pkts	5.79
8	Laboratory Equipment			Nos Nos	9.65 0.70
9	pH Meter Regulator			Nos	0.70
	Rubber Tubing			Meters	0.74
	Spares for Conductivity Meter			Nos	0.35
	Spares for Gas Chromatograph / Gas				
	Detection Tubes		10	Nos	1.18
(c) Packa	aging Materials, General Stores & Sta	tionary			
1	HDPE bags for packaging of Neem	HDPE bags each of 45 Kg packaging capacity , individual			
	Coated Urea	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	q or origin o right doore	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
		related register, pad, etc		ı	ı
	nanical Items	lou in the second second		ı	
	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
	Centrifugal pumps and its spares	Impeller, shafts, bearings, mechanical seals, coupling etc.			
		Plunger, piston, screw, gear, bearings, seals, coupling etc.		Nos.	50
	spares			No.	80
6	Spares of reciprocating compressors	Piston, crosshead, piston rings, bearings, seals, coupling etc.		Nos.	60

	D	A:- Class -: Class Class Class Class		ı	Г
7	Procurement of filters	Air filter, oil filter, urea filters, benefield solution filters		Nos.	60
8	Spares for cooling tower	etc. 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		1100.	10
11	Spares for conveyor for urea plants	Belts, pulleys, rollers, etc.			15
		, ,			15
12	Insulation and refractories	Tabcast, insulyte, rockwool matress, ceramic blanket, fire			20
		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
					J
17	Fasteners of different sizes & grade	CS, SS & alloy steel		Nos.	5
				1403.	Ů
(-) I					
	Analytical Instruments and spares	Process gas, water analysis		ı	
'	Analytical instruments and spares	Frocess gas, water analysis	10	Nos	25
2	Field Transmitters and spares	Pressure, Flow, Level, Temp.	50	Nos	20
	Control Valve and spares	2" to 16", 10 to 250 Bar, 100 to 450 Degc		Nos	50
4	Condition monitoring Instruments	Speed, Vibration, Axial Displacement			
1	and spares	The state of the s	50	Nos	25
5	Control System spares	Controller, DCS, PLC	25	Nos	150
	Boiler control instruments	Flame Scanner, Control cards, Soleniod valves		Nos	100
	Miscelleneous Control panel	Relays, Barriers, Converters, Recorders			
	instruments	-	60	Nos	60
	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	<u> </u>	Nos	5
		and Effluent			
	Weighing Machine and spares	Automatic Weighing, Road Weigh Bridge	4	Nos	10
12	Miscellaneous Field Instruments	Converters, Positioners, Regulators, Switches	25	Nos	40
				1100	.,
/6 Fl4					
1	rical Items 66 KV switchyard	Procurement of Retrofit/replacement of equipments	2	Bays	75
2	Breakers HT/LT & accessories	Procurement of Retrofit/replacement Procurement of Retrofit/replacement		Nos.	60
3	Motors/Transformers/Generators	Procurement of Retrofit/replacement			
3	Wotors/ Hansionners/ Generators	1 Tocurement of Netront/Teplacement	5	Nos.	100
4	Insulation materials	Cable joints	10	Nos	
		Tapes		Mtrs	
		Sleeves		Mtrs	50
		Compounds		Kgs	
		Barrels	50	Barrels	
5	Meters/relays	Meters/relays	15	Nos.	30
6	Cables	HT	1000	motros	50
		LT cables	1000	metres	50
7	LED Lights	LED Lights	700	Nos.	20
8	Solar System	Solar System		Nos.	9
9	AVR/PLC	AVR/PLC		nos.	75
10	Battery	Battery		Nos.	35
11	Electrical Panels	Electrical Panels	3	nos.	11
(g) Civil	Items				
(g) Civii	Cement	OPC/PPC OPC	70	Tonne	7.66
2	Quick setting cement	Quick setting cement	1		0.05
3	Steel Reinforcement	16 / 12 / 10 / 8 / 6 mm dia	3		1.50
4	Structural steel	MS Angle, Tee, Channels	3		1.80
5	AC Sheet	3.00 m / 2.50 m / 2.00 m	100		0.39
6	CGI sheets	3.00 m / 2.50 m / 2.00 m	50		0.22
7	Transparent sheets	3.00 m / 2.50 m / 2.00 m	80		0.33
8	Bitumen	VG 10	20	Tonne	9.60
9	Epoxy Materials	Resin, Hardner	0.06	Tonne	0.44
		Quartz Sand	0.4		0.12
10	Sanitary fittings	EWC, Wash Basin & fittings	10		5.00
11	GI Pipes with fittings	80, 50, 40, 25 mm dia	300		2.43
12	PVC Pipes with fittings	50, 40, 25, 20, 15 mm dia	350	Meters	2.43
/b\ r:	9 Cafatu Itama				
	& Safety Items Ammonia Canister	<u></u>	20	Nos	0.112
	Breathing Apparatus		20		1.90
	Explosiometer			Nos	1.50
	Fire Extinguisher		100	Nos	3.75
	Flame Detector		100	Nos	5.75
	Gas Detector & analyser			Nos	
	General Fire & safety Items			Pairs/ Nos	7.500
	Ladder/ Doors of				
	Aluminium(Manufacturer)			Nos	0.150
9	Masks, Suits, Ear Plugs, Gloves,			Daine /h!	4.50
1 '	helmets, BA sets etc.			Pairs/Nos	1.50
10	Uniforms/Linen items, Furnishing			Doine /NI -	0.50
1	etc.		30	Pairs/Nos	0.50
	CIG.				

Sr. No.	Description of Item	Broad Specification Parameters	Qty	Accounting Unit (Nos./ Meters / Tonne)	Estimated Value Procurement INR (Lacs)
(a) Chen	nicals, Catalyst, Lube Oil, Neem Oil			10	11211 1211111
1	Chemicals for Cooling Water treatment	Corrosion Inhabitor, Zinc based corrosion Inhabitor, Dispersant, Bio-Disperesent,	26668.39 7382.76 19467.17 3805.70		115
		Biocide(a) Biocide(b) Chlorine, CIO2 generating chemical	3536.40 5422.48 85932.00 4591.01		
2	Chemicals for Boiler Feed Water system	Oxygen scavenger, Corrosion Inhabitor	6298.56 3149.28	111	12
5	Resin Lubricant	Cataion Resin Anion Resin IOC & BPCL Oils	32	KL	672
6	Malarial Oil	Not reg. for production	52	KL	072
7	Methanol		200	Kg	0.12
10	Potassium Carbonate	K2CO3		MT	46
11	Vanadium Pentaoxide	V2O5		MT	28
12 14	Di Ethyl Amine Glycin			MT MT	4.2
15	Caustic Soda Flakes		1908		7.3 214
16	Sulphuric Acid			MT	53
17	Hydrated Lime		480		53
18	Ferric Alum			MT	99
19	Bleaching Powder		12	MT	42
24	Neem Oil		27-	MT	240
25	Glycol		200	Kg	0.5
(b) Laba	ratory Chemical & Equipments			<u> </u>	
(b) Labo	Calibration Cylinder		7	Nos	1.70
2	Electronic Balance			Nos	0.59
3	Filter Paper Circles			Pkts	0.63
4	Gas Flowmeter			Nos	1.22
5	Glassware & Plastic ware (Bio fertilizer bottle)			Nos	25.53
6	Laboratory Chemicals			Pkts	6.08
7	Laboratory Equipment			Nos	10.13
8	pH Meter			Nos Nos	0.74
9	Regulator Rubber Tubing			Meters	0.36 0.74
11	Spares for Conductivity Meter			Nos	0.37
	Spares for Gas Chromatograph / Gas Detection Tubes			Nos	1.24
(c) Pack	aging Materials, General Stores & Sta	tionary			
	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 Polypropylene Multi filament Twin Conical Roll type,	67 Lakhs	No	1185.9
	Conical Roll Type	Breaking Strength 8 Kg and above	9000	KG	16.7
3	Annual rate Contract of SKF/FAG bearing	DEA Assess Nilsesses Hudesses Ossess	707		26.67
5	Industrial Gas Stationary	DEA, Argon, Nitrogen, Hydrogen, Oxygen Xerox paper A-4 Size+ Computer stationary + Plant	100	Cylinder	7.4
	Stationary	related Register, pad, etc			12
(d) Mecl	hanical 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	spares	Plunger, piston, screw, gear, bearings, seals, coupling etc.		No.	80
6		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 matress, 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

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13	Spares for Bag stitching machines	Double row			5
14	Fasteners of different sizes & grade	CS, SS & alloy steel		Nos.	5
(a) Instr	umentation Items				
	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
	Condition monitoring Instruments and spares	Speed, Vibration, Axial Displacement	50	Nos	25
	Control System spares	Controller, DCS, PLC		Nos	120
	Boiler control instruments Miscelleneous Control panel	Flame Scanner, Control cards, Soleniod valves Relays, Barriers, Converters, Recorders	50	Nos	100
,	instruments	Relays, Barriers, Converters, Recorders	100	Nos	80
	Gas Turbine Control Instruments	Control cards, Servo Valves for GE Mark II	20	Nos	60
	Speed Control Instruments	Governor, Converter, Solenoid Valve	3	Nos	75
	Pollution Monitoring Instruments	Sensor, Display, Communication Instruments for Stack and Effluent		Nos	4
	Weighing Machine and spares	Automatic Weighing, Road Weigh Bridge		Nos	10
	Miscellaneous Field Instruments Testing, Measuring and Calibration	Converters, Positioners, Regulators, Switches Multimeters, Calibrators for various Instruments	25	Nos	40
13	Instruments	infultimeters, Calibrators for various instruments	4	Nos	5
(f) Elect	rical Items				
1	66 KV switchyard	Procurement of Retrofit/replacement of equipments		Bays	75
2	Breakers HT/LT & accessories	Procurement of Retrofit/replacement		Nos.	50
3	Motors/Transformers/Generators	Cable inints		Nos.	100
4	Insulation materials, Tr. Oil	Cable joints Tapes	-	Mtrs	
		Sleeves		Mtrs	60
		compounds/barrels		Kgs	
		oonipounus, surrois	50	barrels	
5	Meters/relays	Meters/relays		Nos.	50
6	Cables	HT LT cables	1000 1000	metres	50
7	LED Lights	LED Lights		Nos.	20
- 8	Solar System	Solar System		Nos.	9
9	AVR/PLC	AVR/PLC		nos.	75
10 11	Battery Electrical Panels	Battery Electrical Panels		Nos. nos.	35 11
		Electrical Funcis		1103.	
(g) Civil		lone (nne	1 (0	Tonno	1 (00
2	Cement Quick setting cement	OPC/PPC Quick setting cement	60		6.89 0.05
3	Steel Reinforcement	16 / 12 / 10 / 8 / 6 mm dia	3		1.50
4	Structural steel	MS Angle, Tee, Channels	3		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		0.23
7	Transparent sheets	3.00 m / 2.50 m / 2.00 m	80		0.34
9	Bitumen Epoxy Materials	VG 10 Resin, Hardner	0.06		9.60 0.46
7	Epony Materials	Quartz Sand	0.00	Tonne	0.12
10	Railway fittings	PSC Sleeper with fittings	1000		35.00
		Rail	18		8.45
		Fish plate	10		1.10
		Compound Fish Plate	2000		1.32
11	GI Pipes with fittings	ERC Clip with fittings 80, 50, 40, 25 mm dia	3000 200		4.14 1.70
12	PVC Pipes with fittings	50, 40, 25, 20, 15 mm dia	250		1.83
(h) Fire	& Safety Items				
	Ammonia Canister		20	Nos	0.112
2	Breathing Apparatus		1	Nos	0.950
	Explosiometer		1		1.250
	Fire Extinguisher			Nos	3.75
	Flame Detector Gas Detector & analyser		1	Nos Nos	0.75 1.52
	General Fire & safety Items		1	Pairs/ Nos	7.500
	Ladder/ Doors of			Nos	0.150
9	Aluminium(Manufacturer) Masks, Suits, Ear Plugs, Gloves,			Pairs/Nos	1.50
10	helmets, BA sets etc. Uniforms/Linen items, Furnishing				
	etc.		30	Pairs/Nos	0.50