

Information regarding tentative Public Procurement plan of Damodar Valley Corporation for next five (5) years.

The list is not exhaustive. Vendors are requested to note for further updates.

Generation

	<u>Item Description to be procured in Yr 21-22</u>	<u>Unit</u>	<u>Quantity</u>
1	Complete HPT fully bladed rotor assembly compatible for 500 MW KWU Units installed at Mejia TPS, DSTPS Andal, Koderma TPS and BTPS,DVC,Make M/s BHEL	NO	1
2	Complete bowl assembly/ Internal assembly Model - EN6J40	NO	1
3	Hot Reaheat steam Strainer elements	NO	1
4	Main steam strainer element	NO	1
5	Rotor assembly for MDBFP booster pump	NO	1
6	Rotor assembly for TDBFP booster pump	NO	1
7	Steam line bellows/ compensators	SET	1
8	Dynamic layout model of KTPS 2X500MW	NO	1
9	Test valve for all stop valves and control valves	NO	1
10	Low pressure bypass contol valve and stop valves	NO	1
11	Water injection valve assembly	NO	1
12	Shaft gland seals for HP/IP/LP Turbine	SET	1
13	Internal gears of voith hydraulic coupling for Boiler feed Pump	SET	1
14	TUBE NEST FOR VACUUM PUMP COOLER	NO	1
15	Portable Oil Filtration Machine	NO	1
16	Hydraulic jack capacity 150 ton	NO	4
17	CONDENSATE EXTRACTION PUMP BOWL ASSEMBLY	NO	1
18	BREECH NUT OF HP TURBINE	NO	2
19	PROCUREMENT OF COMPENSATORS OF STEAM LINE	SET	1
20	VACUUM PUMP COMPLETE ASSEMBLY	NO	1
21	TURNING GEAR COMPLETE ASSEMBLY	NO	1
22	COMPLETE ASSEMBLY OF BFP RECIRCULATION VALVE	NO	1
23	TEST VALVE ASSEMBLY FOR ALL STOP VALVES	NO	1
24	STARTING DEVICE SPEEDER GEAR ASSEMBLY (GOVERNING SYSTEM)	NO	1
25	ELECTRO HYDRAULIC CONVERTER COMPLETE ASSEMBLY	NO	1
26	MAIN OIL PUMP ASSEMBLY OF BFP HYDROCOUPLING	NO	1
27	IP TURBINE ROTOR FULLY BLADED and Balanced consist of following items 1 I.P SHAFT Assy. Drg No -01020141000/00 2 BLADING OF I.P. ROTOR Assy Drg No -01020216000/00 3 BLADE PLAN IPT Assy Drg No. - 91020416000/00 4 I.P. SHAFT SEALING Assy Drg No -01060627000/00	NO	1
28	IP INNER CASING WITH BLADES consists of following items -1 IP INNER CASING Assy Drg No -01060227000/00 2 GUIDE BLADE IPC Assy Drg. No -11061616000/00 3 BLADE PLAN IPT Assy Drg No - 91020416000/00 4 IP SHAFT SEALING Assy Drg No -01060627000/00	NO	1
29	LP Screw Element of IAC, Model: ZR#275, Make: Atlas Copco	NO	1
30	HP Screw Element IAC, Model: ZR#275, Make: Atlas Copco	NO	1

31	TURNING GEAR COMPLETE ASSEMBLY	NO	1
32	COMPLETE BOWL ASSEMBLY OF CEP	NO	1
33	TUBE NEST FOR VACUUM PUMP COOLER	NO	1
34	VALVE BLOCK ASSEMBLY	NO	1
35	MAIN STEAM & HOT REHEAT STRAINER ELEMENTS	NO	1
36	Water Wall Panel of Boiler	Num	1
37	STEAM LINE BELLOWS /COMPENSATOR	SET	1
38	COMPLETE ASSEMBLY OF TURBINE MAIN OIL PUMP	NO	1
39	Hydrogen Cooler	NO	1
40	Condensor Vacuum pump rotor, MOC-SS	NO	1
41	Electrostatic Liquid Cleaning (ELC) Machine complete set	NO	1
42	COMPLETE CARTRIDGE OF BOILER FEED PUMP	NO	1
43	COMPLETE BFP HYDRO COUPLING ASSEMBLY	NO	1
44	COMPRESSOR LP ELEMENT	NO	1
45	COMPRESSOR HP ELEMENT	NO	1
46	CEP COMPLETE BOWL ASSEMBLY / INTERNAL ASSEMBLY	NO	1
47	01 no.Complete SV, AS-46A,model-SRV 1912R/P1&P2-spl	NO	1
48	01 no. Complete SV,Tag: AS-47,Model-SRV 1905N/P1&P2	NO	1
49	02 no.PORTABLE OIL FILTERATION MACHINE for U#1-6, MTPS	NO	2
50	COMPRESSOR HP ELEMENT	NO	1
51	COMPRESSOR LP ELEMENT	NO	1
52	ROTARY ASSEMBLY OF BFP BOOSTER PUMP	NO	1
53	01 no.IP Inner Casing With Blades,Compatible for 210MW KWU Units Installed At Mejia TPS, DVC, Make-BHEL	NO	1
54	Crank Case & Shaft for Compressor	NO	1
55	Complete intercooler assembly for Compressor	NO	1
56	Complete aftercooler assy	NO	1
57	MAIN EJECTOR complete assy	NO	1
58	INTERNAL GEARS for BFP Hydro Coupling	SET	1
59	Gear Box of Air Drier MD 600	NO	1
60	Screw Element of Mill reject Compressor, Model: GA110W, Make: Atlas Copco	NO	1
61	Complete Equilizaing DAV valve, Model No.50 DAV for Generator seal oil system	NO	1
62	Triple Offset valve	NO	1
63	Steam Line bellow/ Compensator	SET	1
64	BFP-Drive Turbine Rotor Assembly with Dry Flexible Shimpack type Coupling at both ends, Type:Model : K1401-2	NO	1
65	Shaft Gland Seal of HP/IP/LP turbine	NO	1
66	Screw Element of Mill reject Compressor, Model: GA110W, Make: Atlas Copco	NO	1
67	Air Dryer MD-600	NO	1
68	Element of Transport Air Compressor	NO	1
69	Primary Water Pump Assembly, Model no.: CPK CM 65-250, Make: M/s KSB	NO	1
70	Exhaust fan assembly of Gland Steam/Oil System	NO	1

71	HP stop valve assembly	NO	1
72	HP Control valve assembly	NO	1
73	Test valve of stop valves	NO	1
74	Turbine shaft gland seal assembly	NO	1
75	U sealing ring	NO	1
76	Different jacks	Num	2
77	Girth gear for Unit# 5&6	Num	1
78	Sky Climber for Boiler	Set	1
79	Induction Heater for Bearing .	Num	1
80	APH support bearing and guide bearing	Num	2
81	Complete safety valve of Drum	Num	1
82	Lub oil filtration machine for Coal Mill and Fan	Num	1
83	APH gear Box	Num	1
84	Start up vent valve isolating and regulating	Num	2
85	Portable Ultrasonic Hardness tester with data recorder	Num	1
86	Complete Magnetic Particle Inspection Kit	Set	1
87	Ultrasonic Thickness Gage (with Oxide Scale & Corrosion Mapping)	Num	1
88	Boiler Sky Climber Spares	Num	1
89	Hollow Hydraulic Jack, Cap- 100T with Accessories	Num	1
90	Rotating Assembly of Scoop Type Fluid Coupling , Model no. : SC- 10	No.	2
91	Rotating Assembly of Scoop Type Fluid Coupling , Model no. : SC- 11A	No.	1
92	Complete Fluid Coupling, Model no. HFDX-9	No.	2
93	Rotating Assembly of Scoop Type Fluid Coupling , Model no. : SC- 11	No.	1
94	Rotating Assembly of Scoop Type Fluid Coupling , Model no. : SC- 14	No.	1
95	Pump Assembly 9OR250CC with Vane pump	No.	1
96	Hydraulic Motor MS83	No.	1
97	Cooling Water Pump, Model: 125/150 GSN	No	1
98	Fluid Coupling, Model: PST 530	No	1
99	Fluid Coupling, Model: PST 660	No	1
100	Gear Box, Model : CKB 355	No	1
101	Gear Box, Model : CKB 315	No	1
102	Gear Box, Model : CKB 250	No	1
103	Replacement of Gratings of Track Hopper#3 of CHP#7&8	MT	180
104	Gear Box Type & size PLB 40 for CHP#7&8	No	1
105	Complete Gear Box Model PC-40 of CHP#5&6	Set	1
106	Compressor with drive system for DE System of CHP#5&6	No.	1
107	Procurement of 2 nos. Gear box for Reversible Belt Feeder (01 no. Model	NO	2
108	Procurement of 1 no. Gear box for Boom conveyor of Stacker cum Recla	NO	1
109	Procurement of 01 no. AIR OIL COOLER for Paddle Feeder	SET	1
110	Procurement of 01 no. Air Oil Cooler for Wagon Tippler	SET	1
111	DRIVE GEAR BOX COMPLETE UNIT HAF50-D132M4 9WITHOUT MOTOR	NO	1
112	Planetary reducer gear box for stacker cum reclaimer	NO	2
113	LONG TRAVEL DRIVE ASSY EACH BAGIE WILL BE FITTED WITH 01 NO OF	Set	1
114	HYDRAULIC CYLINDER CD 250 B 220/140-1650,A1X/01 CDGCM SP	NO	1
115	PROCESS PUMP TYPE KPD COMPLETE WITHOUT MOTOR EXACTLY IDENT	NO	1
116	Top Bush for Wagon Tippler	no	1
117	Hydraulic cylinder for wagon clamping	no	1
118	Procurement of 10Nos. of 20Mtr. High Mast lighting Shaft & its luminaires for KTPS for KTPS Plant area	NO	10
119	Rack segment & Pinion of Side Arm Charger	no	1
120	Cardon shaft/Drive-driven shaft for Vibrofeeder	no	1
121	Procurement of HT Motors (ASP, TAC Motors, Recovery water motors e	3	3
122	Procurement of LT Motors for AHP & CAC Plant	5	5
123	Procurement of Breakers (HT/LT) & Numerical Relay	1 lot	1 lot
124	Procurement of CT & PT and other accessories	1 lot	1 lot
125	Installation of Package / Ductable AC	1 lot	1 lot
126	Power/DistributionTransformer	1	1
127	Actuators	3	3
128	ESP retrofitting(HV controller)	1 lot	1 lot
129	SAS upgradation	1 lot	1 lot

130	Kits for measuring DCRM of 400 KV Circuit breaker, for Contact resistance	1	1
131	Energy Meter set	1 set	1 set
132	LT Motors	NO	3
133	Auxiliary Relays for Switchyard	1 lot	1 lot
134	Retrofitting of Actuator	1 lot	1 lot
135	VFD FOR SEAL AIR FAN (U#5,6)	No	2
136	400 KV Isolator Complete Assembly	1 set	1 set
137	DC Batteries for 220 V Battery bank	1 set	1 set
138	Replacement of HPSVs/Fluorescents with LED light	1 lot	1 lot
139	DSM compliant ABT Metering system	1 lot	1 lot
140	Upgradation of SAS at 400KV Switchyard	1 lot	1 lot
141	AC Machine for PLC room	No	5
142	In Line Magnet Separator for CHP,U#7&8	1	1
143	Replacement of Battery Bank	1 set	1 set
144	Replacement of the Battery Bank of CW P/H & Raw water PH Unit 7&8	2 set	2 set
145	11 KV Isolator of Schneider make	1	1
146	315 MVA GT Transformer for pool spares	No	1
147	ACBs for LT Switchgear	1	1
148	Replacement of Battery bank	1 set	1 set
149	In line magnetic separator (Magnet) - 1 NO.	1	1
150	415 V Air Circuit Breaker L & T Make (Motor feeder)	1	1
151	Different types of LT Motors	NO	2
152	Coal Mill Motor	1	1
153	VFD FOR SEAL AIR FAN (U#5,6)	2	2
154	AUTOMATIC TEST SET-UP FOR POWER TRANSFORMERS	1	1
155	Industrial computer unit and monitor for PLC system (Total 4 no. computer)	1 lot	1 lot
156	AUMA ACTUATOR	2	2
157	AC ANALOG AMMETER, RANGE: 0-3A, 10A, 20A	5	5
158	DECADE RESISTANCE BOX, RANGE: 0-100KOHM	1	1
159	UPGRADATION OF TTR TEST KIT	1	1
160	UPGRADATION OF BDV TEST KIT	1	1
161	Thermo-vision camera	1	1
162	Measuring Instruments like IR tester upto 10 KV etc	1	1
163	Numerical Bus differential Scheme for Sw. yard (1-4)	1 lot	1 lot
164	DSM Complied ABT Monitoring system for unit 1 to 6	1 lot	1 lot
165	Energy Efficient LT Motors(>90 KW)	3	3
166	MEGGER, 5KV	1	1
167	CEP MOTOR (U#4)	1	1
168	RELAY TESTING KIT	1	1
169	DSM Complied ABT Monitoring system for unit 1 to 6	1 lot	1 lot
170	Numerical Relays for Distance protection Main-2 Scheme for Lines unit	1 lot	1 lot
171	Up gradation of existing 220 KV control panel to SAS	1 lot	1 lot
172	415 V Air Circuit Breaker	1	1
173	Installation of Metal Detector	1	1
174	In line magnetic separator	1	1
175	Supply, installation & commissioning of VFD for CEP Motor	1	1
176	Upgradation of deareator lifts of Unit#1&3.	2	2
177	Upgradation of Boiler Lifts of Unit#1,2&3	2	2
178	AHU of Central AC Plant of MTPS U#1,2,3	1 lot	1 lot
179	Infrared Thermometer	1	1
180	Upgradation of existing online ABT metering System along with High end	1 lot	1 lot
181	HT feeder(11/3.3 KV) Protection Numerical Relay,Type-7SJ8012-5EB90-	1	1
182	Overcurrent Protection & Control relay,Type-7SJ6415-5EB91-1FE4/EE, I	1	1
183	Recycle Pump Motor, 110 KW	1	1
184	Air conditioner split type Rating 2.0 Ton, Voltage rating 230V Ac (Single	12	12
185	Earth Resistance Measurement Kit	1	1
186	Procurement of 01 set (02 nos.) coil for ILMS/SM, Machine no.-0234-09	1	1
187	220V DC BATTERY BANK	1 set	1 set
188	Energy Meter for HV switch gear	1 lot	1 lot
189	Thermogravimetric Analyser (TGA) (571520901116)	1	1
190	Self Propelled Engine Powered Articulating Boom Lift for reaching height	1	1

191	Online Third Harmonic leakage current Measurement Kit for LA	1	1
192	FULL ACTUTOR-K500 & K600 (ROTRK MAKE)	4	4
193	DMV-34 Full Actuator Type-L120-40 (MAKE-Limitorque)	1	1
194	FDV-16 & TDBFP Casing Drain Type:- L120-10 (MAKE)	1	1
195	FULL ACTUTOR-GD 2A1& GD2A2 Type- SA12E90/GS200 (MAKE-AUMA)	1	1
196	LT Breaker of different ratings (Make-C&S)	1 lot	1 lot
197	HT feeder(11/3.3 KV) Protection Numerical Relay,Type-7SJ8041-5EB90-	1	1
198	CT(Current Transformer) secondary AC mA(Mili- Amps) Current measure	1	1
199	Vaccum Pump motor	1	1
200	Compressor motor	1	1
201	Battery Bank Unit#8	1 set	1 set
202	Vaccum Circuit Braker of BHEL make	1	1
203	Battery Bank of 220 KV, Switchyard, U#7&8	1 set	1 set
204	150KW RAW WATER PUMP MOTOR & 37KW HFO UNLOADING	2 no	2 no
205	11 KW DEGASSER WATER,CMB DISPOSAL ,BOILEAR BLOWDOWN MOTORS	1 lot	1 lot
206	150KW LT Motor for Conv#12, Paddle Feeder PLC	1 lot	1 lot
207	Replacement of 220KV & 132KV Isolators in phasewise manner	1 lot	1 lot
208	Replacement of 198KV LA's for 220KV Switch yard and 120KV LA for 132	1 lot	1 lot
209	Replacement of 220/132/33/25 KV CT/PT	1 lot	1 lot
210	Replacement of existing synthetic oil Tr by CRT transformer	1 lot	1 lot
211	Energy meter (Electronic)	1 lot	1 lot
212	Complete Assembly of Ash Slurry Disposal Pump	Nos.	1
213	Knife Gate Valve, Size -300 NB, Make SISTAG	Nos.	4
214	Knife Gate Valve, Size -400 NB, Make SISTAG	Nos.	4
215	Knife Gate Valve, Make, Size -450 NB, Make SISTAG	Nos.	2
216	Complete Assembly of Eco-Booster Pump	Nos.	1
217	Door of Feed Gate Assembly	Nos.	4
218	Complete Assembly of SS Cladding Vacuum Pump	Nos.	4
219	Silo dry ash retractable chute assembly	Nos.	3
220	Submersible type Sludge Pump/Goodwyn Pump	Nos.	1
221	Impeller 2nd Stage(LH) for BAHP Water Pump	Nos.	1
222	Impeller 2nd Stage(RH) for BAHP Water Pump	Nos.	1
223	Impeller FOR FAHP WATER PUMP	Nos.	1
224	IMPELLER,EQP- HMDC WATER PUMP	Nos.	1
225	450 NB MANUALLY OPERATED PLATE VALVE, EQP- VALVES & FITTINGS	Nos.	2
226	200 NB Knife Edge Gate Valve (Manual Optd.)	Nos.	2
227	300 NB Cyl. Optd. Knife Edge Gate Valve	Nos.	2
228	COMPLETE PUMP ASSEMBLY FOR ASH SLURRY DISPOSAL PUMP, MODEL AR200/550	Nos.	1
229	Impeller with nut, Part no. 18&38 , MODEL-AR 150/500A BOATP Pump	Nos.	1
230	Pump shaft, Part no. 4 , MODEL-AR 150/500A BOATP Pump	Nos.	1
231	COMPLETE SET OF "KVL-750 VACUUM PUMP" WITHOUT MOTOR.	Nos.	1
232	8" Jet Pump Complete assembly without diffuser material	Nos.	2
233	Cast Steel Gate Valve complying to API 600 Standard bolted bonnet, Flanged ends with Body Material: WCB & Trim:13% Cr. Steel, Class: 150, Size: 300 NB	Nos.	1
234	TELESCOPIC CHUTE COMPLETE ASSEMBLY WITH INTREGRATED VENT FAN, INLET DIA-300 MM MAXIMUM, CAPACITY-250 m3/hr, DOUBLE CHUTE-IN NEOPRENE-HYPALON, MAX.EXTENDED LENGTH-4590 MM, RETRACTED LENGTH-1860 MM	Nos.	1
235	Valve type: Knife Edge Gate Valve (Unidirectional Cylinder Operated) Size: 300 NB Valve with Body Material: CI Spec. : Complete Set of Valve	Nos.	2
236	Valve type: Knife Edge Gate Valve (Unidirectional Cylinder Operated) Size: 250 NB Valve with Body Material: CI Spec. : Complete Set of Valve	Nos.	1

237	Valve type: Knife Edge Gate Valve (Bidirectional Hand Operated) Size: 350 NB Valve with Body Material: Ductile Iron Spec. : Complete Set of Valve	Nos.	1
238	Economizer Water pump Mod- S5922- 80x65 - Compressor ZA 6H	Nos.	1
239	Over flow transfer pump model VO 150/400 + TCH+N	Nos.	1
240	COMPLETE BARE PUMP ASSEMBLY (sludge pump)	Nos.	1
241	COMPLETE SET OF BARE VACUUM PUMP (WITHOUT MOTOR) WATER RING VACUUM PUMP WITH FOLLOWING ACCESSORIES, MODEL:-200, CAPACITY:-400 M3/SR.NO.06033428	Nos.	1
242	IMPELLER MADE OF SS 410 COMPLETE FITTED WITH EN-24 STEEL SHAFT WITH SS410 SHAFT SLEEVE DULY DYNAMICALLY BALANCED AS PER ISO 1940-1973 " CLASS G6.3 ,MATERIAL OF CONSTRUCTION:- IMPELLER (MOC:SS 410-ASTM:A-217 GR.CA15)WITH SHAFT (MOC:EN-24 STEEL BS-970) AND SHAFT SLEEVE (MOC:SS-410-ASTM:A-217 GR.CA-15)DULY DYNAMICALLY BALANCED AS PER ISO 1940-1973 (E)CLASS G 6.3 (CODE:2086090013) for vacuum pump model no: 200	Nos.	2
243	Impeller with nut /18 - Spares for Pump AR 150/510	Nos.	6
244	Different Basket of APH	Set	4
245	Boiler Tube	Metre	4000
246	Hi Chrome Grinding Media Ball	MT	2200
247	GR & BRS	No	40
248	Conveyor Belt of different sizes	Metre	4000
249	Ring Hammer	No	1400
250	UNI-DIRECTIONAL VALVE (ASH SLURRY SUCTION/DISCHARGE LINE), OPERATION :-PNEUMATIC, 300MM (DRY ASH CONVEYING)	Nos.	2
251	Complete Set of Valve, (Pneumatic), Size: 300 NB, Model: FIG 752 , with Valve Body Material: CI :BI-DIRECTIONAL,WAFLER STYLE,MID FLANGE,TWO PIECE SPLIT BODY DESIGN. ACTUATOR:RCGC-12	Nos.	6
252	BI-DIRECTIONAL VALVE-BOTTOM ASH HOPPER AREA OPERATION :- PNEUMATIC, 200MM	Nos.	4
253	WAFLER CAST BODY UNI DIRECTIONAL KNIFE GATE VALVA 300MM	Nos.	3
254	2.Bi-directional valve abrasive ash slurry. 250mm	Nos.	5
255	BUTTERFLY VALVE SIZE: 150NB / PNEUMATICALLY ACTUATOR OPERATED WAFLER TYPE FLANGELESS BUTTERFLY VALVES WITH ACTUATOR FOR UNIR # 5&6, SIZE: 150 NB, RATING TO PN10	Nos.	2
256	BUTTERFLY VALVE SIZE: 250NB/ PNEUMATICALLY ACTUATOR OPERATED WAFLER TYPE FLANGELESS BUTTERFLY VALVES WITH ACTUATOR FOR UNIR # 5&6, SIZE: 250 NB, RATING TO PN10	Nos.	2
257	WETTING HEAD,DRG.NO-23P01-T-2B-271 NOZZLE (16 X 19) 38 LONG, A/F30, SS-410,DRG.NO-1A-442-37/16 WITH CERAMIC INSERT 11mm DRG.NO-1-403020/2/11 ASSY. CONSISTING OF THE FOLLOWING ITEMS NOZZLE (16 X 19) 38 LONG, A/F30, THD SIZE-M-30 X 2 X 20LG.(1 NO/SET) CERAMIC NOZZLE DIM A=11mm,38MM LONG (1NO/SET)	Nos.	2
258	"Complete set of SILO Fluidizing Blower without motor, Make-M/s Kay International Limited, Existing Sl. No.-65AC 06033420609 TBP Model-65 AC, Capacity-380 m3/hr, Discharge Pressure-0.6 Kg/cm2, Speed-1416rpm, Pump Input-20 H.P."	Nos.	1
259	ASH SLURRY DRAIN PUMP, TYPE:VO 50/230+TCH+N, SIZE:80X80, 1450RPM, -SPARES FOR AHP U#4	Nos.	1
260	PUMP BOTTOM ASH OVER FLOW TRANSFER SUMP PUMP TYPE:VO 80/340+ARS, SIZE:100X80MM, 1450RPM,15KW MOTOR, DIRECT DRIVE , MAKE SAM TURBO INDUSTRIES LTD. -SPARES FOR AHP U#4	Nos.	1
261	COMPLETE SET VACUUM PUMP; MODEL NO- KVM 900	Nos.	1

262	GEARE BOX WORM REDUCTION TYPE AND SIZE 3UMC 6 WITH 30 : 1 ROTIO SUITABLE FOR 7.5 KW AT 1500 RPM	Nos.	1
263	COMPLETE SET OF SILO FLUIDIZING BLOWER,MODEL RH-80AC WITH ACCESSORIES WITHOUT MOTOR (M/C. SR.NO.151044671-72) CAPACITY:400 M3/HR,@5500MMWG SPEED:1500 RPM,SHAFT POWER:9.5 BKW SPARES FOR AHP U#4	Nos.	1
264	COMPLETE SET OF ESP FLUIDZING BLOWER MODEL RH-80AC WITH ACESSORIES WITHOUT MOTOR (M/C.SR,NO.151044575-76) CAPACITY: 300M3/HR,@4500MMWG,SPEED -1200 RPM,SHAFT POWER-5.9BKW SPARES FOR AHP U#4	Nos.	1
265	IMPELLER WITH NUT SP. FOR BOTTOM ASH-SLURRY PUMP MODEL AR150/500 FOR AHP PART NO- 18 & 38	Nos.	4
266	IMPELLER WITH NUT- SP. FOR FLY ASH SLURRY PUMP MODEL NO. AR-150/500A FOR AHP PART NO- 18 & 38	Nos.	5
267	SPARES FOR BOTTOM ASH HOPPER SLUICE GATE IN ASH HANDLING PLANT OF U#1,2,3&4- COMPLETE SET OF PNEUMATIC (DOUBLE ACTING) CYLINDER ASSEMBLY.SIZE- 12" DIA. X 37.6" STROKE LENGTH(FOR OPERATING BOTTOM ASH HOPPER SLUICE GATE OF SIZE- 36" X 24")	Nos.	2
268	VERTICAL WETPIT NON CLOG TYPE CABLE TRENCH SUMP PUMP MODEL 125 VWS	Nos.	1
269	PUMP PULLEY FOR BOTTOM ASH SLURRY PUMP,MODEL- AR150/500,O.D DIA-510MM,I.D-90MM,NO OF GROVES-04 NOS,WIDTH-180MM SPARES FOR AHP	Nos.	1
270	CARBON STEEL 'GATE VALVE' with M S. Companion flange.i) Class: 150ii) Type: Straight iii) Bolted Bonnetiv) Type of End connection: Flanged 1. Body & Bonnet: ASTM A 216 Gr. WCB 2. Wedge: 13% Cr steel on WCB A 216 Gr.3. Seat Ring: 13% Cr steel on WCB A 216 Gr. /AISI 410 4. Stem: A ISI-410-2/ ASTM A 182 Gr. F6a 5. Yoke: CS / ASTM A 4396. Sizes: Conform to B 16.107. Flanged drilling: conform to ANSI B 16.5Design / Specification:-i) Design Std: API 600 ii) Testing Pr: API 598 Application: i) Working Pressure: 10 Kg/ cm ² ii) Working Tem: 50 deg Ciii) Flow medium: Filtered water Size: 200 mm	Nos.	3
271	C.C.S. GATE VALVE, Class:150, Size: 350mm	Nos.	3
272	Non-Return valve / Swing Check valve along with companion flangeClass:150; i) Working Pressure: 10 Kg/ cm ² Temp: 50 deg C;Body & Cover: ASTM A216 Gr. WCB, Body ring & Disc: 13 % Cr. Steel, Hinge Pin: AISI 410, Valve design; BS1868, Testing: BS 5146 / API 598 / BS 6755(Part I); End connection: Flange connection ANSI B16.10 ; Companion flange: Material MSSize: 200 mm	Nos.	3
273	Valve type: Globe valve (Hand Operated) Size: 200 NB Valve Class: 150 Class End Condition: Flange Type(FL) with Body Material: CCS Spec. : Complete Set of Valve without companion flange	Nos.	4
274	DRAIN PIT JET PUMP (SIZE: 80 NB, 50 NB INLET) NOZZLE TIP-13MM(ASSY), FOR DRAIN PIT JET PUMP AS PER DRG. NO. 23P01-T-1B-596	Nos.	1
275	Knife Gate Valve, Size -300 NB	Nos.	4
276	Knife Gate Valve, Make, Size -450 NB	Nos.	2
277	Complete Assembly of Eco-Booster Pump	Nos.	1
278	Complete Assembly of SS Cladding Vacuum Pump	Nos.	4
279	KTPS-Ultrasonic / Laser/Radar Type Bunker Measurement System	Nos.	2
280	KTPS-Other Assets (Complete assembly -Furnace CCTV & Drone camera)	Set	1
281	KTPS-Gravimetric feeder panel(UPGRADATION)	Set	2
282	KTPS-SWAS	Lot	1
283	KTPS-CEMS	Set	1
284	KTPS-ESP DUST	Set	2

285	KTPS-BHELFEED PANEL MODULES	Lot	1
286	KTPS-Actuator for CPU	Lot	1
287	KTPS-Schneider PLC Card and Dryer controller card	Lot	2
288	KTPS-Actuator for FOUPH	Lot	3
289	KTPS-Upgradation of GE Fanuc PLC of FOUPH	Set	1
290	KTPS-Windows system upgradation of CHP along with supporting software of siemens	Set	1
291	KTPS-LVS upgradation of CHP(BARCO made)	Set	1
292	RTPS-Upgradation of Yokogawa Centum DCS	Set	1
293	RTPS-Upgradation of Emerson DEH system	Set	1
294	RTPS-Upgradation / Modification of Rockwell Turbine protection system (Software & IT product)	Set	1
295	RTPS-Upgradation of LVS Controller (Software & IT product)	Set	1
296	RTPS-Upgradation of Rockwell PLC system	Set	1
297	RTPS-Upgradation of Schneider PLC system	Set	1
298	RTPS-Upgradation of Siemens PLC system	Set	1
299	RTPS-Electronic modules for DCS/DDCMIS	Lot	1
300	RTPS-Electronic modules for PLC	Lot	1
301	MTPS 7&8-Upgradation of HMI of AHP & fire water PLC system	Set	1
302	MTPS 7&8-Upgradation of HMI of PLC system of CPU	Set	1
303	MTPS 7&8-Upgradation of HMI of PLC system of Raw Water & CWPT	Set	1
304	MTPS 7&8-In Line Magnet Separator for CHP,U#7&8	Lot	1
305	MTPS 7&8-Replacement of Battery Bank	Set	1
306	MTPS-Replacement of the Battery Bank of CW P/H & Raw water PH Unit 7&8	Set	1
307	MTPS -Procurement, Erection & Commissioning of new "CO measurement system "at APH Inlet of Unit 7 & 8.	Set	1
308	MTPS-Procurement, Erection & Commissioning of new "O2 measurement system "at APH Inlet in Grid formation in Unit 7 & 8.	Set	1
309	MTPS-Procurement, Erection & Commissioning of H2 leakage detection system near Generator area in Unit 7 & 8.	Set	2
310	MTPS -Upgradation of Bently- Nevada VMS Server of Unit # 5	Set	1
311	MTPS 5&6-Replacement of Battery bank	Set	1
312	MTPS 5&6-In line magnetic seperator (Magnet) - 1 NO.	Lot	1
313	MTPS-Upgradation of Coal Mill Feeder Control System of Unit #4	Panel	6
314	MTPS-Upgradation of DPU # 4E Controller of SG & TG packages of Unit # 4	Set	1
315	MTPS-Upgradation of obsolete Balance Of Plant of HIACS 3000 DCS system by HIACS 5000 M DCS in U#1 (Item- Other Plant Machinery)	Set	1
316	MTPS-Upgradation of obsolete BHEL make Hardware based SG & TG Control system of Unit # 1 with BHEL make latest version of maxDNA system.	Set	1
317	Up gradation of PLC PANEL of VAM of DSTPS Unit #1&2	Set	1
318	CO analyzer of ID Fan Outlet of DSTPS Unit #1&2	Set	2
319	DSTPS-UPGRATATION OF M/S GEIP BASED PLC SYSTEM FOR WTP Unit #1&2	Set	1
320	DSTPS-UPGRATATION OF M/S GEIP BASED PLC SYSTEM FOR RIVER INTAKE Unit #1&2	Set	1
321	DSTPS-UPGRATATION OF M/S GEIP BASED PLC SYSTEM FOR CPU Unit #1&2	Set	1
322	DSTPS-Up-gradation of the existing Quantum CPU to M580 Level 4 Hot-standby CPU System keeping the existing Quantum IO System in existing S908 Network (Wagon Tippler Control Room)	Set	1

323	DSTPS-Up-gradation of the existing Premium CPU to M580 Level 2 Hot-standby CPU System keeping the existing X80 IO System in existing Ethernet Network (Paddle Feeder 2)	Set	1
324	DSTPS-Up-gradation of the existing Quantum CPU (CHP Main Control Room)	Set	1
325	DSTPS-UPGRATATION OF M/S GEIP BASED PLC SYSTEM FOR DM PLANT of DSTPS	Set	1
326	DSTPS-Up-gradation of the existing Premium (Paddle Feeder 1) CPU to M580 Level 2 Hot-standby CPU System keeping the existing X80 IO System in existing Ethernet Network	Set	1
327	DSTPS-Up-gradation of the existing Premium CPU to M580 Level 2 Hot-standby CPU System keeping the existing Advantys IO System in existing Ethernet Network (Coal Sampling Unit PLC 2)	Set	1
328	CTPS-Sonic Leak detector Imager	Lot	1
329	Flow Meter	No	1
330	Thermovision camera	No	1
331	Strengthening of Outside periphery road	NO	1
332	Strengthening of Inside periphery road	NO	1
333	CW Pump Bowl Assembly/Impeller/shafts	Set	1
334	Thrust bearing assembly(Mitchel make)	No	1
335	AUMA ACTUATOR	No	1
336	Energy Efficient CT Fan blade assembly for Cooling Towers of U#5&6 (22 Nos.)	No	22
337	Line shaft-2 nos.,top shaft-1 no. for CW Pump U#5&6 MAKE- BHEL	No	2
338	05 nos. Bowl assembly for H-VAC pump,CW Make up pump,filter water pump,potable water pump for U#5&6	No	5
339	COMPLETE BARE PUMP ASSEMBLY (sludge pump)	No	1
340	Gear box series 32.2, Ratio-12.93:1 for U#4 Cooling tower (03 Nos.)	No	3
341	Fabrication for Store Rack for storing of materials at godowns	No	1
342	Infrared Thermometer	No	1
343	Bowl assembly for barrage intake pump,Make-Kirlosker	No	1
344	Air conditioner split type Rating 2.0 Ton, Voltage rating 230V Ac (Single Phase), Five(05) Star rating with Remote.	No	5
345	CO analyzer of ID Fan Outlet of DSTPS Unit #1&2	No	1
346	NRV 700mm for ACW Pump	No	1
347	Portable fire Pump complete with suction side accessories as per IS-942-1966)	No	1
348	Complete Bowl assembly for PTDM pump	Set	1
349	250 NB SWING CHECK VALVE	No	1
350	Turbine drive shaft assembly of PreTreatment plant	No	1
351	Rake drive shaft assembly of Pretreatment plant	No	1
352	Rotating Assy. & Impeller of fire pump	Set	1
353	250 NB SWING CHECK VALVE	No	1
354	Deluge Valve size 150NB with complete accessories.	No	1
355	CO analyzer of ID Fan Outlet of DSTPS Unit #1&2	No	1
356	Air conditioner split type Rating 2.0 Ton, Voltage rating 230V Ac (Single Phase), Five(05) Star rating with Remote.	No	5
357	Deluge Valve size 100NB with complete accessories.	No	5
358	Complete Bowl assembly for coal decanted pump.	Set	1
359	Bowl assembly for ETP clarifier feed pump.	Set	1
360	CT Cel valve Gear Box	No	8
361	CT Cell valve -700 mm	No	4
362	CT FAN DRIVE SHAFT	No	2
363	CT FAN GEAR BOX	No	2

364	Drive shaft & Pump shaft assembly	No	1
365	COMPLETE GEAR BOX FOR AGITATOR OF CLARIFLOCCULATOR BRIDGE TYPE U-400	No	3
366	FAN BLADE ASSY. COMPLETE WITH SPIDER HUB	No	3
367	INTERMEDIATE SHAFT ASSEMBLY FOR CW PUMP Make- BHEL, Model- 10, Flow-19200m3/hr, Head-28mlc	No	1
368	HEAD SHAFT ASSEMBLY FOR CW PUMP Make- BHEL, Model- 10, Flow-19200m3/hr, Head-28mlc	No	1
369	DRIVE SHAFT ASSEMBLY FOR CW PUMP Make- BHEL, Model- 10, Flow-19200m3/hr, Head-28mlc	No	1

	Item Description to be procured in Yr 22-23	<u>Unit</u>	<u>Quantity</u>
1	Steam line bellows/ compensators	SET	1
2	Shaft gland seals for HP/IP/LP Turbine	NO	1
3	Pump casing assembly of Booster Pump for Boiler feed pump	NO	1
4	TURNING GEAR COMPLETE ASSEMBLY	NO	1
5	COMPLETE ASSEMBLY OF VACUUM BREAKER VALVE	NO	1
6	TEST VALVE ASSEMBLY FOR ALL STOP VALVES	NO	1
7	STARTING DEVICE SPEEDER GEAR ASSEMBLY (GOVERNING SYSTEM)	NO	1
8	ELECTRO HYDRAULIC CONVERTER COMPLETE ASSEMBLY	NO	1
9	BOILER FEED PUMP TURBINE ROTOR	NO	1
10	SCOOP TUBE ASSEMBLY OF H/C OF BOILER FEED PUMP	NO	1
11	GEAR BOX BETWEEN TURBINE AND BOOSTER PUMP OF TDBFP	NO	1
12	AUXILIARY OIL PUMP	NO	1
13	EMERGENCY OIL PUMP	NO	1
14	TGECW/SGECW PLATE HEAT EXCHANGER COMPLETE ASSEMBLY	NO	1
15	COMPLETE CARTRIDGE OF BOILER FEED PUMP	NO	1
16	TURNING GEAR COMPLETE ASSEMBLY	NO	1
17	VALVE BLOCK ASSEMBLY	NO	1
18	LOW PRESSURE BYPASS CONTROL VALVE /STOP VALVE AND SERVOMOTORS	NO	1
19	TUBE SYSTEM FOR LOW PRESSURE HEATERS	NO	1
20	STEAM LINE BELLOWS /COMPENSATOR	SET	1
21	LEAK STEAM VALVE ASSEMBLY	NO	1
22	STARTING DEVICE SPEEDER GEAR ASSEMBLY (GOVERNING SYSTEM)	NO	1
23	HYDRAULIC AMPLIFIER (GOVERNING SYSTEM)	NO	1
24	Complete Set Of Emergency Stop Valve assembly	NO	1
25	Complete set of High Pressure control valve assembly	NO	1
26	IP TURBINE ROTOR FULLY BLADED and Balanced consist of following items 1 I.P SHAFT Assy. Drg No -01020141000/00 2 BLADING OF I.P. ROTOR Assy Drg No -01020216000/00 3 BLADE PLAN IPT Assy Drg No. -91020416000/00 4 I.P. SHAFT SEALING Assy Drg No -01060627000/00	NO	1
27	IP INNER CASING WITH BLADES consists of following items -1 IP INNER CASING Assy Drg No -01060227000/00 2 GUIDE BLADE IPC Assy Drg. No -11061616000/00 3 BLADE PLAN IPT Assy Drg No -91020416000/00 4 IP SHAFT SEALING Assy Drg No -01060627000/00	NO	1
28	Fully Bladed IPT Rotor Compatible for 250MW KWU Units Installed At Mejia TPS, CTPS, DVC, Make-BHEL	NO	1
29	IP Inner Casing With Blades,Compatible for 250MW KWU Units Installed At Mejia TPS, CTPS, DVC, Make-BHEL	NO	1
30	NASH TC 11 VACUUM PUMP,(TWO STAGE PUMP ONLY)	NO	1
31	INTERNAL GEARS for BFP Hydro Coupling	NO	1
32	BFP Recirculation Valve	NO	1
33	CEP COMPLETE BOWL ASSEMBLY / INTERNAL ASSEMBLY	NO	1
34	01 no.Complete SV, AS-46A,model-SRV 1912R/P1&P2-spl	NO	1
35	01 no. Complete SV,Tag: AS-47,Model-SRV 1905N/P1&P2	NO	1
36	02 no.PORTABLE OIL FILTERATION MACHINE for U#1-6, MTPS	NO	1

37	COMPRESSOR HP ELEMENT	NO	1
38	COMPRESSOR LP ELEMENT	NO	1
39	BFP Recirculation Valve	NO	3
40	MAIN EJECTOR complete assy	NO	1
41	Complete HP Turbine Module Assembly 01 no.	NO	1
42	01 no. Fully Bladed IPT Rotor Compatible for 210MW KWU Units Installed At Mejia TPS, DVC, Make-BHEL	NO	1
43	01 no.IP Inner Casing With Blades,Compatible for 210MW KWU Units Installed At Mejia TPS, DVC, Make-BHEL	NO	1
44	MAIN OIL PUMP ASSEMBLY for BFP Hydro Coupling	NO	1
45	AUXILIARY OIL PUMP ASSEMBLY for BFP Hydro Coupling	NO	1
46	TUBE SYSTEM FOR HIGH PRESSURE HEATERS#5	NO	1
47	TUBE SYSTEM FOR HIGH PRESSURE HEATERS#6	NO	1
48	LP Screw Element of IAC, Model: ZR#275, Make: Atlas Copco	NO	1
49	HP Screw Element IAC, Model: ZR#275, Make: Atlas Copco	NO	1
50	BFP-Drive Turbine Rotor Assembly with Dry Flexible Shimpack type Coupling at both ends, Type:Model : K1401-2	NO	1
51	HP Screw Element IAC, Model: ZR#275, Make: Atlas Copco	NO	1
52	LP Screw Element of IAC, Model: ZR#275, Make: Atlas Copco	NO	1
53	Complete float valve, Model No 50 SV of Seal oil tank	NO	1
54	NRV of BFP RH spray line	NO	1
55	IP stop valve assembly	NO	1
56	IP Control valve assembly	NO	1
57	Water injection valve assembly	NO	1
58	TG bearing	NO	1
59	Burner/nozzle assy.	Num	24
60	Hydraulic system for coal mill planetary gearbox servicing	Num	1
61	Variable speed hydraulic coupling for ID fan with scoop tube, type 1150 SVNL 21-18, 5.3	Num	1
62	Hydraulic Gang Jack for APH maintenance (4X150T)	Num	4
63	Complete safety valve of Super Heater	Num	1
64	Journal Assy of Coal Mill along with Trunion Shaft	Num	1
65	Complete CBD Valve	Num	1
66	Online Moisture Testing Kit	Num	1
67	Electric Hoist 2T Capacity for APH Basket Handling (2 nos)	Num	2
68	Multipurpose Air Powered Saw for Boiler Waterwall Panel Cutting	Num	1
69	Portable Pneumatic Tube Bevelling & Facing Machine (Electric Driven)	Num	1
70	Dirty Air Flow Test kit	Set	1
71	Bucket with teeth & pins of Stacker/Reclaimer	set	8
72	Bucket wheel with Bush of Stacker/Reclaimer	set	1
73	Slew Bearing	set	1
74	Different Basket of APH	Set	4
75	Boiler Tube	Metre	4000
76	Hi Chrome Grinding Media Ball	MT	2200
77	GR & BRS	No	40
78	Conveyor Belt of different sizes	Metre	4000
79	Ring Hammer	No	1400
80	Planetary Gear Box for slew	no.	1
81	Gear Box for Apron Feeder, Model : CKD 630	No	1
82	Complete set of Scoop type Fluid coupling, Model SC-10 for CHP#7&8	No	1
83	Rotor assembly of crusher for CHP#7&8	Set	1
84	Gear Box Model PC-31 of CHP#5&6	Set	1
85	Procurement of 2 nos. Travel Gear box for Stacker cum Reclaimer (01 no. Model: CKCA-180 LH -Special & 01 no. Model: CKCA-180 RH Special, Make-New Allenberry Works)	NO	2
86	Procurement of 01 no. Gear Box for In-Line Magnetic Separator (Model: K08328.0BMZC1A11.APL HBGM K0832-11 KW. Make-Power Build Limited)	SET	1

87	Procurement of 01 no. Pump for Dry Fog Dust Suppression System (Model No.: Movitec VCF-002/16, Make-KSB Pumps)	NO	1
88	COUPLING FLUID SIZE 1000 PST WITHOUT ACCESSORIES LIVE CONTROL PANEL, INPUT/OUTPUT GEAR COUPLING, OIL COOLER GEAR PUMP ETC. & WITHOUT FIRST FILL OF OIL & BREAK DRUM EXACTLY IDENTICAL TO NAME PLATE AS TYPE PST SIZE 1000 CON NO. - C/PST/19934, BATTLE SIZE 1.2 HP / RPM -750 KW/720 RPM, MAX. OIL QTY. 950 LTR., ACTUATOR-ELECTRICAL, NET WT. 3095 KG APPLICATION CONVEYOR SL. NO. -46671	No	1
89	Rotor shaft assembly consisting of Main shaft, End disc assembly, suspension disc, Spacer, Key, Suspension bar, Lock nut & Lock washer for Ring Granulators, Size- RG 733, Capacity- 800 MTPH Make- Mcnally Bharat Engineering Co. Ltd.	Set	1
90	TRACK WHEEL SHAFT ASSEMBLY (NON DRIVE) REF.DRG.NO. 1-407-055, MARK NO. 1-407-A-055	Set	1
91	RADIAL PISTON MOTOR HYDRO MOTOR MCR3A280A45Z32A0M1L12(SPARE FOR PADDLE DRIVE OF PADDEL FEEDER)	No	1
92	SPARE FORLONG TRAVEL DRIVE OF PADDLE FEEDER GEARED MOTOR/3PH 50 CS,VOLT 415 TYPE HBA100-421PD100L814,HP/KW I-1.5 N2 1.2-2.4 RPM AMP-2.33-2.5 ACOSF-062 INS F	NO	1
93	Hydraulic pump for Wagon Tippler	no	1
94	Hydraulic pump for Side Arm Charger	no	1
95	Toothed rim segment & Pinion of Wagon Tippler	no	1
96	Knuckle Assembly for Wagon Tippler	no	1
97	Spring set for Vibrofeeder	no	1
98	End Frame Pivot Shaft Bearing Stool with bush for Wagon Tippler	no	1
99	SPLIT SPUR WHEEL ASSY for Wagon Tippler	no	1
100	Complete 400 KV Circuit Breaker Pole	NO	2
101	Suspended Magnet	NO	1
102	In line magnetic seperator (Magnet) - 1 NO.	1	1
103	Replacement of Battery bank of Unit (5-6)	1set	1set
104	UPGRADATION OF LCM TEST KIT	1	1
105	Up gradation of existing 220 KV control panel to SAS	1 lot	1 lot
106	Replacement of 48 V Battery bank	1 set	1 set
107	Procurement of Areca controllers for ESP of Unit#1,2 &3	1 lot	1 lot
108	LT motor for Unit#1,2&3	3	3
109	AHU of Central AC Plant of MTPS U#1,2,3	1 lot	1 lot
110	Online Moisture Testing Kit	1	1
111	Numerical relay(50,51,50N,95,97,25,A,V,KW,KWH) CTR-1A, Aux.Supply-220VDC, PT SEC-110VAC Flush mounting(For I/C-1&2), TYPE- REF543KM, Make- ABB, Order No.- REF543KM127AAAA	1	1
112	Numerical Relay (27, 27NV, 59, V&2), Aux.supply-220VDC, PT SEC-110VAC Flus Mounting.Type-REF615,Make- ABB,Order no.- HBFFAEAGNBA1ANN1XG	1	1
113	Secure make swift elite energy meter, Class-0.2s, 3 Phase	1 lot	1 lot
114	Elster make Energy Meter of EMS System	1 lot	1 lot
115	Merger/ Demerger RTU(Remote Terminal Unit)	1	1
116	0.5mH/2000A Wave Trap for 400kV Lines	2	2
117	415/415V 500KVA Isolation Transformer for DG Incomer Feeder at ACDB board installed at 400kV S/Y Control Room	1	1
118	Procurement of 01 set (02 nos.) coil for ILMS/SM, Machine no.-0234-0948 ,220V DC	1 set	1 set
119	24V Battery Bank	1 set	1 set
120	415/415V 50KVA & 100KVA Isolation Transformer for MLDB/ ELDB board installed at 400kV S/Y Control Room	2	2
121	DC earth fault locater	1	1

122	AC JOP, AC EOP, AC JOP, AC Scanner notor	4	4
123	220KW HYDRANT PUMP MOTOR	1	1
124	110KW LT Motor (1 No) , 55KW LT Motor (1 No)	2	2
125	Knife Gate Valve, Size -300 NB, Make SISTAG	Nos.	4
126	Knife Gate Valve, Size -400 NB, Make SISTAG	Nos.	4
127	Knife Gate Valve, Make, Size -450 NB, Make SISTAG	Nos.	2
128	Complete Assembly of Bottom Ash High Pressure Pump	Nos.	1
129	Complete Assembly of Fly Ash High Pressure Pump	Nos.	1
130	Complete Assembly of Eco-Booster Pump	Nos.	1
131	Complete Assembly of Bottom Ash Low Pressure Pump	Nos.	1
132	Silo dry ash retractable chute assembly	Nos.	3
133	Complete pump assy. of HP WATER PUMP, MODEL : ZM II 530/03	Nos.	1
134	HP water Pump Impeller, Part No-234, MODEL : ZM II 530/03	Nos.	1
135	Complete pump assembly of Economizer water pump, Model: 5 MD 80/205	Nos.	1
136	Complete assembly of HP Seal Water Pump, Model: 6 MD 80/205	Nos.	1
137	Bare LP Seal Water pump, MODEL-2 MD 125/305 V only without accessories and without motor.	Nos.	1
138	LP Seal Water Pump Impeller, Part no.24.2, MODEL-2 MD 125/305 V	Nos.	2
139	IMPELLER WITH NUT : PART NO: - 18 & 38 : MATERIAL : - ASTM A 532 CLASS III TYPE A HICHROME / NIHARD TYPE IV (550 BHN) FOR ASH SLURRY DISPOSAL PUMP	Nos.	1
140	helical gear box type H1-160, Ratio- 1.66:1 P2 similar to existing gear box sl. No :HGF-19911 for Ash slurry disposal pump	Nos.	1
141	COMPLETE SET OF "KVL-750 VACUUM PUMP" WITHOUT MOTOR.	Nos.	1
142	8" Jet Pump Complete assembly without diffuser material	Nos.	2
143	Complete fluid coupling, Model - T-12/06 for clinker grinder	Nos.	2
144	Valve type: Knife Edge Gate Valve (Unidirectional Cylinder Operated) Size: 300 NB Valve with Body Material: CI Spec. : Complete Set of Valve	Nos.	2
145	Valve type: Knife Edge Gate Valve (Unidirectional Cylinder Operated) Size: 350 NB Valve with Body Material: DUCTILE IRON BODY Spec. : Complete Set of Valve	Nos.	1
146	Valve type: Knife Edge Gate Valve (Bidirectional Hand Operated) Size: 350 NB Valve with Body Material: Ductile Iron Spec. : Complete Set of Valve	Nos.	1
147	Complete Set of Centrifugal Vent Fan only without Accessories and without Motor, Model- KB-27	Nos.	1
148	Pump Shaft (Spares for flowmore make H.P water pump, model:F5826-200x150,part no:4)	Nos.	2
149	Impeller (Spares for flowmore make H.P water pump, model:F5826-200x150,part no:16)	Nos.	3
150	LP water Pump Impeller,Pump model:F5823	Nos.	3
151	DRAIN PUMP (VACUUM PUMP HOUSE), MODEL- VO 80/400 +TCH + N-GLAND RING, MATERIAL: IS 318 GR 2, PART NO: 46.9	Nos.	2
152	Clinker grinder gear box,U#5&6	Nos.	2
153	Fluid Coupling- Model-TFV-05A,U#5&6	Nos.	2
154	Gear box for Ash slurry pump #4-6 (Gear box H1-160ratio 1.3409/1P2)	Nos.	2
155	Impeller with nut /18 - Spares for Pump AR 150/510	Nos.	6
156	BI-DIRECTION KNIFE GATE VALVE WAFER CAST BODY 200MM	Nos.	4
157	UNI-DIRECTIONAL VALVE (ASH SLURRY SUCTION DISCHARGE LINE) OPERATION- PNEUMATIC, DRY FLY ASH LINE, NB 250MM LINE AT CHANG OVER STATION	Nos.	2

158	BI-DIRECTION KNIFE GATE VALVE C I BI DIRECTION WAFER STYLE SIZE 300MM MID FLENGH 2 PC SPLIT BODY DESIGN PTFE DIRECT MONNTED	Nos.	3
159	Complete Set of Valve, (Pneumatic), Size: 300 NB, Model: FIG 752 , with Valve Body Material: CI :BI-DIRECTIONAL,WAFER STYLE,MID FLANGE,TWO PIECE SPLIT BODY DESIGN. ACTUATOR:RCGC-12	Nos.	6
160	BI-DIRECTIONAL VALVE-BOTTOM ASH HOPPER AREA OPERATION :- PNEUMATIC, 200MM	Nos.	4
161	WAFER CAST BODY UNI DIRECTIONAL KNIFE GATE VALVA 300MM	Nos.	3
162	2.Bi-directional valve abrasive ash slurry. 250mm	Nos.	6
163	EXCEN CRUSHER 33 INCHX30INCH (ASSY), FOR CLINKER GRINDER AS PER DRG NO 25P04-T-1B-582	Nos.	1
164	BUTTERFLY VALVE SIZE: 150NB / PNEUMATICALLY ACTUATOR OPERATED WAFER TYPE FLANGELESS BUTTERFLY VALVES WITH ACTUATOR FOR UNIR # 5&6, SIZE: 150 NB, RATING TO PN10	Nos.	3
165	BUTTERFLY VALVE SIZE: 250NB/ PNEUMATICALLY ACTUATOR OPERATED WAFER TYPE FLANGELESS BUTTERFLY VALVES WITH ACTUATOR FOR UNIR # 5&6, SIZE: 250 NB, RATING TO PN10	Nos.	3
166	Complete set of E.S.P. Fluidizing Blower without motor, Make-M/s Kay International Limitted, Existing Sl. No.-55AC 06022820609 STB and 55AC 06022320609 STB Model-55 AC, Capacity-250 m3/hr, Discharge Pressure-0.4 Kg/cm2, Speed-1233rpm, Pump Input-7.5 H.P.	Nos.	1
167	JET PUMP ASSY-8 INCH WITH 3.5 INCH THROAT COMBINING TUBE (NOZZLE TIP - 38 MM), FOR JET PUMP AS PER DRG NO 25P01-T-1B-591	Nos.	2
168	Complete set without motor of Vent Fan for Silo of U#5,6. Model No.:AW-40, SL.No.-0709099, Type:AW, Size-40, MAKE-Orient Fans (Prop. Orient Paper & Industries Ltd.) Formerly: Air Conditioning Corp. Ltd. SPARES FOR AHP U#5,6	Nos.	1
169	MAIN EJECTOR complete assy	Nos.	8
170	HP ASH WATER PUMP MODEL:SDC/200/200, TYPE:AXIALLY SPLIT, SPEED:1480RPM, MKW160, SINGLE STAGE, CASING C11S-210-FG 260PIN BUSH COUPLING, IMPELLER, IMPELLER WEIRING SS-304, AISI-4140, SS-4110 MAKE-BECON WEIR -SPARES FOR AHP U#4	Nos.	1
171	HP water Pump IMPELLER PT NO.22 -SPARES FOR HP PUMP, MODEL:SDC 200/200, AHP	Nos.	2
172	SILO VENT FAN MODEL:28-160 WITH ACCESSARIES WITH OUT ELECTRIC MOTOR -AHP	Nos.	1
173	ROTARY FEEDER VENT FAN MODEL:32-125 WITH ACCESSARIES WITH OUT ELECTRIC MOTOR -AHP	Nos.	1
174	GEAR BOX REDUCTION GREAVES WORM REDUCER TYPE U-60030/1 DOS FOR CLINKER GRINDER	Nos.	3
175	IMPELLER WITH NUT SP. FOR BOTTOM ASH-SLURRY PUMP MODEL AR150/500 FOR AHP PART NO- 18 & 38	Nos.	4
176	IMPELLER WITH NUT- SP. FOR FLY ASH SLURRY PUMP MODEL NO. AR-150/500A FOR AHP PART NO- 18 & 38	Nos.	4
177	CARBON STEEL 'GATE VALVE' with M S. Companion flange.i) Class: 150ii) Type: Straight iii) Bolted Bonnetiv) Type of End connection: Flanged 1. Body & Bonnet: ASTM A 216 Gr. WCB 2. Wedge: 13% Cr steel on WCB A 216 Gr.3. Seat Ring: 13% Cr steel on WCB A 216 Gr. /AISI 410 4. Stem: A ISI-410-2/ ASTM A 182 Gr. F6a 5. Yoke: CS / ASTM A 4396. Sizes: Conform to B 16.107. Flanged drilling: conform to ANSI B 16.5Design / Specification:-i) Design Std: API 600 ii) Testing Pr: API 598 Application: i) Working Pressure: 10 Kg/ cm ² ii) Working Tem: 50 deg Ciii) Flow medium: Filtered water Size: 250 mm	Nos.	9

178	SPARES FOR BOTTOM ASH HOPPER SLUICE GATE IN ASH HANDLING PLANT OF U#1,2,3&4- COMPLETE SET OF PNEUMATIC (DOUBLE ACTING) CYLINDER ASSEMBLY.SIZE- 12" DIA. X 37.6" STROKE LENGTH(FOR OPERATING BOTTOM ASH HOPPER SLUICE GATE OF SIZE- 36" X 24")	Nos.	2
179	COUPLING FLUID FOR CRUSHERFCU10 clinker grinder,U#1-3	Nos.	1
180	SHAFT PUMP SP. FOR BOTTOM ASH SLURRY PUMP MODEL AR-150/500 FOR AHP PART NO- 4	Nos.	2
181	SHAFT PUMP-SPARES FOR FLY ASH SLURRY PUMP MODEL:AR-150/500A -AHP Part No- 4	Nos.	2
182	PUMP PULLEY FOR BOTTOM ASH SLURRY PUMP,MODEL-AR150/500,O.D DIA-510MM,I.D-90MM,NO OF GROVES-04 NOS,WIDTH-180MM SPARES FOR AHP	Nos.	1
183	PULLEY VARIABLE PITCH CI/MS PUMP SP. FOR FLY ASH SLURRY PUMP MODEL AR/150/500A SL NO 4306	Nos.	1
184	CARBON STEEL 'GATE VALVE' with M S. Companion flange.i) Class: 150ii) Type: Straight iii) Bolted Bonnetiv) Type of End connection: Flanged 1. Body & Bonnet: ASTM A 216 Gr. WCB 2. Wedge: 13% Cr steel on WCB A 216 Gr.3. Seat Ring: 13% Cr steel on WCB A 216 Gr. /AISI 410 4. Stem: A ISI-410-2/ ASTM A 182 Gr. F6a 5. Yoke: CS / ASTM A 4396. Sizes: Conform to B 16.107. Flanged drilling: conform to ANSI B 16.5Design / Specification:-i) Design Std: API 600 ii) Testing Pr: API 598 Application: i) Working Pressure: 10 Kg/ cm ² ii) Working Tem: 50 deg Ciii) Flow medium: Filtered water Size: 200 mm	Nos.	5
185	Valve type: Gate valve (Hand Operated) Size: 300 NB Valve Class: 150 Class End Condition: Flange Type(FL) with Body Material: CCS Spec. : Complete Set of Valve with companion flange	Nos.	2
186	Non-Return valve / Swing Check valve along with companion flangeClass:150; i) Working Pressure: 10 Kg/ cm ² Temp: 50 deg C;Body & Cover: ASTM A216 Gr. WCB, Body ring & Disc: 13 % Cr. Steel, Hinge Pin: AISI 410, Valve design; BS1868, Testing: BS 5146 / API 598 / BS 6755(Part I); End connection: Flange connection ANSI B16.10 ; Companion flange: Material MSSize: 200 mm	Nos.	3
187	Valve type: Globe valve (Hand Operated) Size: 200 NB Valve Class: 150 Class End Condition: Flange Type(FL) with Body Material: CCS Spec. : Complete Set of Valve without companion flange	Nos.	4
188	DRAIN PIT JET PUMP (SIZE: 80 NB, 50 NB INLET) NOZZLE TIP-13MM(ASSY), FOR DRAIN PIT JET PUMP AS PER DRG. NO. 23P01-T-1B-596	Nos.	2
189	Complete Gear Box of Ash Slurry Disposal Pump	Nos.	1
190	Knife Gate Valve, Size -300 NB	Nos.	4
191	Knife Gate Valve, Make, Size -450 NB	Nos.	2
192	Complete Assembly of Bottom Ash High Pressure Pump	Nos.	1
193	Complete Assembly of Fly Ash High Pressure Pump	Nos.	1
194	Complete Assembly of Eco-Booster Pump	Nos.	1
195	Complete Assembly of SS Cladding Vacuum Pump	Nos.	4
196	Complete Assembly of Bottom Ash Low Pressure Pump	Nos.	1
197	KTPS-maxDNA MODULES ALONG WITH FEEDER PANEL	Lot	1
198	KTPS-LVS OF CONTROL ROOM	Lot	1
199	KTPS-Upgradation of DM plant, RWPH, IWPH & CPU PLC system.	Set	1
200	KTPS-Upgradation of HMI of PLC system of DM Plant, RWPH, IWPH, Chlorination plant & CPU	Set	1
201	KTPS-upgradation of schneider plc of AHP	Set	1
202	KTPS-Windows system upgradation of CHP along with supporting software of siemens	Set	1
203	KTPS-LVS upgradation of CHP(BARCO made)	Set	1

204	KTPS-CPU card of PLC	Lot	1
205	RTPS-Upgradation of Rockwell PLC system	Set	1
206	RTPS-Upgradation of Schneider PLC system	Set	1
207	RTPS-Upgradation of Siemens PLC system	Set	1
208	RTPS-Upgradation of VMS system (Software)	Set	1
209	RTPS-Electronic modules for DCS/DDCMIS	Lot	1
210	RTPS-Electronic modules for PLC	Lot	1
211	MTPS-Upgradation of DPU # 4E Controller of SG & TG packages of Unit # 4	Set	1
212	MTPS-Upgradation of obsolete BHEL make Hardware based SG & TG Control system of Unit # 2 with BHEL make latest version of maxDNA system.	Set	1
213	MTPS-Upgradation of obsolete SIEMENS as 220EA DCS system by latest state of the art system U#2 (Item- Other Plant Machinery)	Set	1
214	DSTPS-UPGRADATION OF M/S ROCKWELL AUTOMATION BASED PLC SYSTEM FOR AC PLANT 1 Unit #1&2	Set	1
215	DSTPS-24V Battery Bank	Set	1
216	DSTPS-Up-gradation of the existing Quantum CPU to M580 Level 4 Hot-standby CPU System keeping the existing Quantum IO System in existing S908 Network (Stacker cum Reclaimer 1)	Set	1
217	DSTPS-Up-gradation of the existing Premium CPU to M580 Level 2 Hot-standby CPU System keeping the existing X80 IO System in existing Ethernet Network (Paddle Feeder 3)	Set	1
218	DSTPS-Up-gradation of the existing Premium CPU to M580 Level 2 Hot-standby CPU System keeping the existing Advantys IO System in existing Ethernet Network (Coal Sampling Unit PLC 1)	Set	1
219	CTPS-hydrogen leak gas detector (01 Nos)	NO	1
220	CTPS-Dissolved oxygen analyzer(ppb range)(01 Nos)	NO	1
221	CTPS-Turbidity meter (01 Nos)	NO	1
222	DRIVE SHAFT ASSEMBLY FOR CW PUMP Make- BHEL, Model- 1Q, Flow-19200m3/hr, Head-28mlc	Set	1
223	BOWL ASSEMBLY COMPLETE	Set	1
224	COMPLETE BOWL ASSEMBLY, ASH WATER PUMP	No	1

	Item Description to be procured in Yr23-24	Unit	Quantity
1	Steam line bellows/ compensators	SET	1
2	Pump casing assembly of Booster Pump for Boiler feed pump	NO	1
3	BOILER FEED PUMP TURBINE ROTOR	NO	1
4	MOVING BLADES OF LP TURBINE	SET	1
5	COMPLET CARTRIDGE OF BOILER FEED PUMP	NO	1
6	LOW PRESSURE BYPASS CONTROL VALVE /STOP VALVE AND SERVOMOTORS	NO	1
7	WATER INJECTION VALVE ASSEMBLY	NO	1
8	TUBE SYSTEM FOR LOW PRESSURE HEATERS	NO	1
9	GEAR BOX BETWEEN TURBINE & BFP BOOSTER PUMP	NO	1
10	STARTING DEVICE SPEEDER GEAR ASSEMBLY (GOVERNING SYSTEM)	NO	1
11	HYDRAULIC AMPLIFIER (GOVERNING SYSTEM)	NO	1
12	MOVING BLADE LP 2L	SET	1
13	MOVING BLADE LP 2R	SET	1
14	02 nos.COMPLETE ASSY OF SHELL & TUBE TYPE HEAT EXCHANGER FOR NASH TC 11 VACUUM PUMP	NO	2
15	COMPRESSOR LP ELEMENT	NO	1

16	COMPRESSOR HP ELEMENT	NO	1
17	complete booster pump Assembly	NO	1
18	TUBE SYSTEM FOR HIGH PRESSURE HEATERS#5	NO	1
19	Different Basket of APH	Set	4
20	TUBE SYSTEM FOR HIGH PRESSURE HEATERS#6	NO	1
21	Complete HP Turbine Module Assembly 01 no.	NO	1
22	01 no. Fully Bladed IPT Rotor Compatible for 210MW KWU Units Installed At Mejia TPS, DVC, Make-BHEL	NO	1
23	CEP COMPLETE BOWL ASSEMBLY / INTERNAL ASSEMBLY	NO	1
24	Element of Transport Air Compressor	NO	1
25	HP Element of Instrument Air Compressor	NO	1
26	Gear Box of Air Drier MD 600	NO	1
27	LP Screw Element of IAC, Model: ZR#275, Make: Atlas Copco	NO	1
28	HP Screw Element IAC, Model: ZR#275, Make: Atlas Copco	NO	1
29	Rotor of Instrumnet air Dryer, Model No. MD#600, Make: Atlas Copco	NO	1
30	Seal Ring of HP-Turbine 500 MW	NO	1
31	Shaft Gland Seal of HP/IP/LP turbine	NO	1
32	TG bearing	NO	1
33	CEP complete bowl assembly	NO	1
34	Safety valve: 1740WB-01 no.	NO	1
35	HRH ERV	NO	1
36	Coupling of PA & FD fan-01 each	NO	2
37	Electromotive relief valve complete assembly	NO	1
38	Spares of scaffolding	NO	1
39	Coal Compartment Assy for one unit	NO	40
40	Hydraulic Servomotor of FD Fan	NO	1
41	Hydraulic Servomotor of PA Fan	NO	1
42	Iso-Kinetic Sampler with Accessories - 02 nos	Num	1
43	NDT XRF Alloy Analyser	Num	1
44	Infrared Thermovision Camera	Num	1
45	Hydraulic motor of Bucket wheel	No.	1
46	KCN 500 GEAR BOX	No.	1
47	Fluid Coupling, Model: PST 1000	NO	1
48	Gear Box, Model : CSB 450	NO	1
49	Gear Box, Model : CSB 400	NO	1
50	Hydraluic Pump for Paddle Feeder of CHP#7&8	No	1
51	Complete set of Scoop Coupling model SC-14 for CHP#7&8	No	1
52	Complete Gear Box for Bucket Wheel drive of S/R of CHP#5&6	No.	1
53	Procurement of 01 no. Travel Gear Box for Paddle feeder (Model: RF73ZDB/8"SM, Make-New Allenberry Works)	NO	1
54	Hydraulic pump for Side Arm Charger	no	1
55	Knuckle Assembly for Wagon Tippler	set	1
56	Procurement of LT Motors for AHP & CAC Plant	5	5
57	Procurement of Breakers (HT/LT) & Numerical Relay	1 lot	1 lot
58	Battery Bank	1 set	1 set
59	Procurement of CT & PT and other accessories	1 lot	1 lot
60	Power/DistributionTransformer	1	1
61	Actuators	4	4
62	SEL Goose communication upgradation	1 lot	1 lot
63	Retrofitting of Actuator	1 lot	1 lot
64	Transformer Bushings of transformers for 400 KV Switchyard and Transformer yard	5	5
65	DC Batteries for 220 V Battery bank and 48 V Battery Bank swyd	2 set	2 set
66	Replacement of 02 sets of 220V Battery Bank at 400KV Switchyard & at Raw water (01 set for each)	3 set	3 set
67	Circuit Breaker for HT SWGR (Make- BHEL & Siemens)	1 lot	1 lot
68	415 V Air Circuit Breaker of L&T make for Motor Feeder	1	1

69	Procurement of HT Breaker (6.6 KV) Make BHEL	1	1
70	ARECA CONTROLLERS FOR ESP (U#5,6)	1 lot	1 lot
71	Retrofitting of 415 V ACDB of SWS(5-6)	1 lot	1 lot
72	LA , LCM measurement Kit	1	1
73	Replacement of 220 V battery bank of Unit #1 to 4	1 set	1 set
74	Replacement of Battery Charger for unit #1 to 4 (OFES+SWS)	2 sets	2 sets
75	Different Basket of APH	Set	4
76	Boiler Tube	Metre	4000
77	Hi Chrome Grinding Media Ball	MT	2200
78	GR & BRS	No	40
79	Conveyor Belt of different sizes	Metre	4000
80	Ring Hammer	No	1400
81	SEL make O/C & E/F relay type SEL 751A(14-I/P+7-0/P),Aux.supply-220VDC CT SEC.-1A,PT SEC.-63.5V for 3.3 KV switch gear	1	1
82	ABB Make-Numerical Motor Protection Relay (REM-543),Model No.REM543CM214AAAA	1	1
83	Numerical relay (50, 51, 50N, 501N, 95, A) CTR-1A, Aux. Supply-220VDC, PT SEC-110VAC, Flush mounting.Make- ABB,Type :REF615,Order no.-2RAA005844A0004A	1	1
84	ABB Make-Numerical Feeder Protection Relay(REF-543),MODEL NO.REF543KB127AAAA	1	1
85	ABB Make-Numerical Motor Protection Relay (REM-543),MODEL NO.REM543CM214AAAA	4	4
86	Numerical relay (50, 51, 50N, 501N, 95, A) CTR-1A, Aux. Supply-220VDC, PT SEC-110VAC, Flush mounting.Make- ABB,Type - REF615,Order no.-2RAA005844A0004A	4	4
87	ABB Make-Numerical Feeder Protection Relay (REF-543),MODEL NO.REF543KB127AAAA	2	2
88	6.6 KV/415 V Dry type transformer	1	1
89	BATTERIES	1 set	1 set
90	Battery Bank 220V DC, 110 AH	1 set	1 set
91	Replacement of 198KV LA's for 220KV Switch yard and 120KV LA for 132KV System.	2	2
92	Replacement of existing ageold 5 Nos. 220KV MOCB with SF6 Breakers	5	5
93	Knife Gate Valve, Size -300 NB, Make SISTAG	Nos.	4
94	Knife Gate Valve, Size -400 NB, Make SISTAG	Nos.	4
95	Knife Gate Valve, Make, Size -450 NB, Make SISTAG	Nos.	2
96	Complete Assembly of Eco-Booster Pump	Nos.	1
97	Silo dry ash retractable chute assembly	Nos.	3
98	LP water Pump Impeller, Part no. 2, MODEL-8 AD 11	Nos.	1
99	IMPELLER WITH NUT : PART NO: - 18 & 38 : MATERIAL : - ASTM A 532 CLASS III TYPE A HICHROME / NIHARD TYPE IV (550 BHN) FOR ASH SLURRY DISPOSAL PUMP	Nos.	1
100	Fluid Coupling Assy. Type model 500 PST(SPL), Srl. No.99912 without frist filling of oil for Ash slurry disposal pump	Nos.	1
101	COMPLETE SET OF "KVL-750 VACUUM PUMP" WITHOUT MOTOR.	Nos.	1
102	SINGLE ROLL CLINKER GRINDER COMPLETE ASSEMBLY WITHOUT DRIVE ARRANGEMENT	Nos.	1
103	8" Jet Pump Complete assembly without diffuser material	Nos.	2
104	Cast Steel Gate Valve complying to API 600 Standard bolted bonnet, Flanged ends with Body Material: WCB & Trim:13% Cr. Steel, Class: 150, Size: 300 NB	Nos.	1
105	TELESCOPIC CHUTE COMPLETE ASSEMBLY WITH INTREGATED VENT FAN, INLET DIA-300 MM MAXIMUM, CAPACITY-250 m3/hr, DOUBLE CHUTE-IN NEOPRENE-HYPALON, MAX.EXTENDED LENGTH-4590 MM, RETRACTED LENGTH-1860 MM	Nos.	1

106	Valve type: Knife Edge Gate Valve (Unidirectional Cylinder Operated) Size: 300 NB Valve with Body Material: CI Spec. : Complete Set of Valve	Nos.	2
107	Valve type: Knife Edge Gate Valve (Unidirectional Cylinder Operated) Size: 250 NB Valve with Body Material: CI Spec. : Complete Set of Valve	Nos.	1
108	Valve type: Knife Edge Gate Valve (Bidirectional Hand Operated) Size: 350 NB Valve with Body Material: Ductile Iron Spec. : Complete Set of Valve	Nos.	1
109	COMPLETE SET OF BARE VACUUM PUMP (WITHOUT MOTOR) WATER RING VACUUM PUMP WITH FOLLOWING ACCESSORIES, MODEL:-200, CAPACITY:-400 M3/SR.NO.06033428	Nos.	1
110	IMPELLER MADE OF SS 410 COMPLETE FITTED WITH EN-24 STEEL SHAFT WITH SS410 SHAFT SLEEVE DULY DYNAMICALLY BALANCED AS PER ISO 1940-1973 " CLASS G6.3 ,MATERIAL OF CONSTRUCTION:-IMPELLER (MOC:SS 410-ASTM:A-217 GR.CA15)WITH SHAFT (MOC:EN-24 STEEL BS-970) AND SHAFT SLEEVE (MOC:SS-410-ASTM:A-217 GR.CA-15)DULY DYNAMICALLY BALANCED AS PER ISO 1940-1973 (E)CLASS G 6.3 (CODE:2086090013) for vacuum pump model no: 200	Nos.	1
111	COUPLING FLUID COMPLETE MODEL 20-SCR 25-B BRAND PEMBRIL SP FOR ASH HANDLING PLANT AHP FOR U#5&6	Nos.	2
112	Impeller with nut /18 - Spares for Pump AR 150/510	Nos.	6
113	FLASH MIXTURE AGITATOR GEAR BOX Order No.-160709 Type-U 400 Ratio-30:1 L Sl. No.-2BF114281	Nos.	1
114	Clarifloculator Gear Box (Main Drive) of Ash water recovery system of Unit#5&6. Type:- U-400 2W Ratio:-60:1	Nos.	1
115	UNI-DIRECTIONAL VALVE (ASH SLURRY SUCTION/DISCHARGE LINE), OPERATION :-PNEUMATIC, 300MM (DRY ASH CONVEYING)	Nos.	2
116	Complete Set of Valve, (Pneumatic), Size: 300 NB, Model: FIG 752 , with Valve Body Material: CI :BI-DIRECTIONAL, WAFER STYLE, MID FLANGE, TWO PIECE SPLIT BODY DESIGN. ACTUATOR:RCGC-12	Nos.	6
117	BI-DIRECTIONAL VALVE-BOTTOM ASH HOPPER AREA OPERATION :-PNEUMATIC, 200MM	Nos.	5
118	WAFER CAST BODY UNI DIRECTIONAL KNIFE GATE VALVA 300MM	Nos.	3
119	2.Bi-directional valve abrasive ash slurry. 250mm	Nos.	6
120	BUTTERFLY VALVE SIZE: 150NB / PNEUMATICALLY ACTUATOR OPERATED WAFER TYPE FLANGELESS BUTTERFLY VALVES WITH ACTUATOR FOR UNIR # 5&6, SIZE: 150 NB, RATING TO PN10	Nos.	3
121	BUTTERFLY VALVE SIZE: 250NB/ PNEUMATICALLY ACTUATOR OPERATED WAFER TYPE FLANGELESS BUTTERFLY VALVES WITH ACTUATOR FOR UNIR # 5&6, SIZE: 250 NB, RATING TO PN10	Nos.	3
122	WETTING HEAD, DRG.NO-23P01-T-2B-271 NOZZLE (16 X 19) 38 LONG, A/F30, SS-410, DRG.NO-1A-442-37/16 WITH CERAMIC INSERT 11mm DRG.NO-1-403020/2/11 ASSY. CONSISTING OF THE FOLLOWING ITEMS-NOZZLE (16 X 19) 38 LONG, A/F30, THD SIZE-M-30 X 2 X 20LG.(1 NO/SET) CERAMIC NOZZLE DIM A=11mm,38MM LONG (1NO/SET)	Nos.	2

123	"Complete set of SILO Fluidizing Blower without motor, Make-M/s Kay International Limited, Existing Sl. No.-65AC 06033420609 TBP Model-65 AC, Capacity-380 m3/hr, Discharge Pressure-0.6 Kg/cm2, Speed-1416rpm, Pump Input-20 H.P."	Nos.	1
124	GEARE BOX WORM REDUCTION TYPE AND SIZE 3UMC 6 WITH 30 : 1 ROTIO SUITABLE FOR 7.5 KW AT 1500 RPM	Nos.	1
125	COMPLETE SET OF SILO FLUIDIZING BLOWER,MODEL RH-80AC WITH ACCESSORIES WITHOUT MOTOR [M/C. SR.NO.151044671-72) CAPACITY:400 M3/HR,@5500MMWG SPEED:1500 RPM,SHAFT POWER:9.5 BKW SPARES FOR AHP U#4	Nos.	1
126	COMPLETE SET OF ESP FLUIDZING BLOWER MODEL RH-80AC WITH ACESSORIES WITHOUT MOTOR (M/C.SR,NO.151044575-76) CAPACITY: 300M3/HR,@4500MMWG,SPEED -1200 RPM,SHAFT POWER-5.9BKW SPARES FOR AHP U#4	Nos.	1
127	IMPELLER WITH NUT SP. FOR BOTTOM ASH-SLURRY PUMP MODEL AR150/500 FOR AHP PART NO- 18 & 38	Nos.	3
128	IMPELLER WITH NUT- SP. FOR FLY ASH SLURRY PUMP MODEL NO. AR-150/500A FOR AHP PART NO- 18 & 38	Nos.	4
129	SPARES FOR BOTTOM ASH HOPPER SLUICE GATE IN ASH HANDLING PLANT OF U#1,2,3&4- COMPLETE SET OF PNEUMATIC (DOUBLE ACTING) CYLINDER ASSEMBLY.SIZE- 12" DIA. X 37.6" STROKE LENGTH(FOR OPERATING BOTTOM ASH HOPPER SLUICE GATE OF SIZE-36" X 24")	Nos.	2
130	COMPLETE SET OF PUMP ASSEMBLY OF SAM MAKE Fly Ash Drain Pump,MODEL:VW 80/250+ARS, EARLIER PUMP SERIAL NO:4728-4733	Nos.	1
131	Fly Ash Drain Pump IMPELLER WITH NUT SPARES FOR DRAIN PUMP MODEL VW80/250 + ARS FOR AHP	Nos.	2
132	Fly Ash Drain Pump SHAFT DRIVE PT NO 16 SPARES FOR SAM MAKE DRAIN PUMP MODEL - VW 80/250+ARS FOR AHP	Nos.	1
133	SHAFT PUMP - SP. FOR DRAIN PUMP MODEL VW-80/250+ARS FOR AHP	Nos.	1
134	IMPELLER - SP. FOR SEAL-WATER PUMP MODEL: 10 MD/205 FOR AHP 1SET-10NOS	Nos.	1
135	PUMP SEAL WATER MODEL:10MD-80/205 SP FOR ASH HANDING PLANT	Nos.	1
136	SHAFT PUMP SP. FOR SEAL WATER PUMP MODEL 10MD/205 FOR AHP	Nos.	2
137	PUMP PULLEY FOR BOTTOM ASH SLURRY PUMP,MODEL- AR150/500,O.D DIA-510MM,I.D-90MM,NO OF GROVES-04 NOS,WIDTH-180MM SPARES FOR AHP	Nos.	1
138	CARBON STEEL 'GATE VALVE' with M S. Companion flange.i) Class: 150ii) Type: Straight iii) Bolted Bonnetiv) Type of End connection: Flanged 1. Body & Bonnet: ASTM A 216 Gr. WCB 2. Wedge: 13% Cr steel on WCB A 216 Gr.3. Seat Ring: 13% Cr steel on WCB A 216 Gr. /AISI 410 4. Stem: A ISI-410-2/ ASTM A 182 Gr. F6a 5. Yoke: CS / ASTM A 4396. Sizes: Conform to B 16.107. Flanged drilling: conform to ANSI B 16.5Design / Specification:-i) Design Std: API 600 ii) Testing Pr: API 598 Application: i) Working Pressure: 10 Kg/ cm ² ii) Working Tem: 50 deg Ciii) Flow medium: Filtered water Size: 200 mm	Nos.	4
139	C.C.S. GATE VALVE, Class:150, Size: 350mm	Nos.	1

140	Non-Return valve / Swing Check valve along with companion flange Class: 150; i) Working Pressure: 10 Kg/ cm ² Temp: 50 deg C; Body & Cover: ASTM A216 Gr. WCB, Body ring & Disc: 13 % Cr. Steel, Hinge Pin: AISI 410, Valve design; BS1868, Testing: BS 5146 / API 598 / BS 6755(Part I); End connection: Flange connection ANSI B16.10 ; Companion flange: Material MSSize: 200 mm	Nos.	2
141	Valve type: Globe valve (Hand Operated) Size: 200 NB Valve Class: 150 Class End Condition: Flange Type (FL) with Body Material: CCS Spec. : Complete Set of Valve without companion flange	Nos.	3
142	DRAIN PIT JET PUMP (SIZE: 80 NB, 50 NB INLET) NOZZLE TIP-13MM (ASSY), FOR DRAIN PIT JET PUMP AS PER DRG. NO. 23P01-T-1B-596	Nos.	2
143	Knife Gate Valve, Size -300 NB	Nos.	4
144	Knife Gate Valve, Make, Size -450 NB	Nos.	2
145	Element of Transport Air Compressor	Nos.	1
146	Complete Assembly of Eco-Booster Pump	Nos.	1
147	Complete Assembly of Drain Pump of Ash Slurry Pump House/ Silo Drain Pump	Nos.	1
148	HP Element of Instrument Air Compressor	Nos.	1
149	KTPS-Other Assets (Complete assembly -Furnace CCTV & Drone camera)	SET	1
150	RTPS-Upgradation of VMS system (Software)	SET	1
151	RTPS-Electronic modules for DCS/DDCMIS	Lot	1
152	RTPS-Electronic modules for PLC	Lot	1
153	Procurement, Erection & Commissioning of UPS Battery Bank for MTPS Unit # 7.	SET	1
154	DSTPS-UPGRADATION OF M/S GEIP BASED PLC SYSTEM FOR DM PLANT Unit #1&2	SET	1
155	DSTPS-Up-gradation of the existing Quantum CPU to M580 Level 4 Hot-standby CPU System keeping the existing Quantum IO System in existing S908 Network (Stacker cum Reclaimer 2)	SET	1
156	DSTPS-Up-gradation of the existing Premium CPU to M580 Level 2 Hot-standby CPU System keeping the existing X80 IO System in existing Ethernet Network (Paddle Feeder 4)	SET	1
157	Strengthening of Outside periphery road	NO	1
158	Strengthening of Inside periphery road	Set	1
159	CW Pump Bowl Assembly/Impeller/shafts	No	1
160	FLASH MIXTURE AGITATOR GEAR BOX Order No.-160709 Type-U 400 Ratio-30:1 L Sl. No.-2BF114281	No	1
161	Clarifloculator Gear Box (Main Drive) of Ash water recovery system of Unit#5&6. Type:- U-400 2W Ratio:-60:1	No	3
162	Line shaft-2 nos., top shaft-1 no. for CW Pump U#4 MAKE- BHEL	No	1
163	Bowl assembly for filter water pump of U#4	No	1
164	GEARE BOX WORM REDUCTION TYPE AND SIZE 3UMC 6 WITH 30 : 1 ROTIO SUITABLE FOR 7.5 KW AT 1500 RPM	No	4
165	CT Cell valve Gear Box	No	2
166	CT Cell valve -700 mm	No	2
167	CT FAN DRIVE SHAFT	No	2
168	CT FAN GEAR BOX	Set	1
169	Complete Bowl assembly for CW pump model CWIQ (Make: BHEL)	No	1
170	Drive shaft & Pump shaft assembly	No	5
171	COMPLETE GEAR BOX FOR AGITATOR OF CLARIFLOCLULATOR BRIDGE TYPE U-400	No	7
172	FAN BLADE ASSY. COMPLETE WITH SPIDER HUB	No	1

173	INTERMEDIATE SHAFT ASSEMBLY FOR CW PUMP Make- BHEL, Model- 1O, Flow-19200m3/hr, Head-28mlc	No	1
174	HEAD SHAFT ASSEMBLY FOR CW PUMP Make- BHEL, Model- 1O, Flow-19200m3/hr, Head-28mlc	No	1
175	DRIVE SHAFT ASSEMBLY FOR CW PUMP Make- BHEL, Model- 1Q, Flow-19200m3/hr, Head-28mlc	Set	1
176	COMPLETE BOWL ASSEMBLY, ASH WATER PUMP	Set	1

	Item Description to be procured in Yr 24-25	Unit	Quantity
1	LP Screw Element of IAC, Model: ZR#275, Make: Atlas Copco	NO	1
2	HP Screw Element IAC, Model: ZR#275, Make: Atlas Copco	NO	1
3	Rotor of Instrumnet air Dryer, Model No. MD#600, Make: Atlas Copco	NO	1
4	Seal Ring of Turbine 500 MW	NO	1
5	Rotating Assembly for TDBFP Booster Pump, TYPE:FA1B75	NO	1
6	Shaft Gland Seal of HP/IP/LP turbine	NO	1
7	TURNING GEAR COMPLETE ASSEMBLY	NO	1
8	COMPLETE ASSEMBLY OF BFP RECIRCULATION VALVE	NO	1
9	TEST VALVE ASSEMBLY FOR ALL STOP VALVES	NO	1
10	STARTING DEVICE SPEEDER GEAR ASSEMBLY (GOVERNING SYSTEM)	NO	1
11	ELECTRO HYDRAULIC CONVERTER COMPLETE ASSEMBLY	NO	1
12	MAIN OIL PUMP ASSEMBLY OF BFP HYDROCOUPLING	NO	1
13	MOVING BLADES OF LP TURBINE	SET	1
14	TUBE NEST FOR VACUUM PUMP COOLER	NO	1
15	VALVE BLOCK ASSEMBLY	NO	1
16	MAIN STEAM & HOT REHEAT STRAINER ELEMENTS	NO	1
17	STEAM LINE BELLOWS /COMPENSATOR	SET	1
18	COMPLETE ASSEMBLY OF TURBINE MAIN OIL PUMP	NO	1
19	TURNING GEAR COMPLETE ASSEMBLY	NO	1
20	COMPLETE ASSEMBLY OF VACUUM BREAKER VALVE	NO	1
21	TEST VALVE ASSEMBLY FOR ALL STOP VALVES	NO	1
22	STARTING DEVICE SPEEDER GEAR ASSEMBLY (GOVERNING SYSTEM)	NO	1
23	ELECTRO HYDRAULIC CONVERTER COMPLETE ASSEMBLY	NO	1
24	BOILER FEED PUMP TURBINE ROTOR	NO	1
25	SCOOP TUBE ASSEMBLY OF H/C OF BOILER FEED PUMP	NO	1
26	GEAR BOX BETWEEN TURBINE AND BOOSTER PUMP OF TDBFP	NO	1
27	AUXILIARY OIL PUMP	NO	1
28	EMERGENCY OIL PUMP	NO	1
29	TGECW/SGECW PLATE HEAT EXCHANGER COMPLETE ASSEMBLY	NO	1
30	COMPLET CARTRIDGE OF BOILER FEED PUMP	NO	1
31	Crank Case & Shaft for Compressor	NO	1
32	Complete intercooler assembly for Compressor	NO	1
33	Complete aftercooler assy	NO	1
34	MAIN EJECTOR complete assy	NO	1
35	INTERNAL GEARS for BFP Hydro Coupling	SET	1
36	TURNING GEAR COMPLETE ASSEMBLY	NO	1
37	VALVE BLOCK ASSEMBLY	NO	1
38	LOW PRESSURE BYPASS CONTROL VALVE /STOP VALVE AND SERVOMOTORS	NO	1
39	TUBE SYSTEM FOR LOW PRESSURE HEATERS	NO	1
40	STEAM LINE BELLOWS /COMPENSATOR	SET	1
41	LEAK STEAM VALVE ASSEMBLY	NO	1
42	STARTING DEVICE SPEEDER GEAR ASSEMBLY (GOVERNING SYSTEM)	NO	1
43	HYDRAULIC AMPLIFIER (GOVERNING SYSTEM)	NO	1
44	Complete Assembly - Vacuum Breaker Valve	NO	1
45	MAW - 50 Valve	NO	1
46	Pilot Valve Assembly	NO	1
47	Sealing Ring (in 6 parts)	NO	1
48	Sealing Ring assemblies (in 2 parts)	NO	1

49	Coupling Bolt M60, Coupling Bolt M64X335 (SHANK DIA 70 mm). Coupling Bolt M64X335 (SHANK DIA 77 mm)	SET	1
50	Rotor Assembly for PA Fan U#1-3	Set	1
51	Coal Mill Gear Box	Num	1
52	Drive Pinion of Tube Mill	Num	1
53	Hydraulic motor of Apron Feeder	No.	1
54	Hydraulic motor of Padle Feeder	No.	1
55	Screw Element of Atlas Copco Compressor	No.	1
56	Radial Piston Motor with Brake: CA 140 140 SBONHC 02 00 + BICA 37 N2), for Hydraulic system of Wagon Tippler	NO	1
57	Different Basket of APH	Set	4
58	Rotor assembly complete consisting of Rotor shaft & keys, end discs, Centre discs, distance rings, suspension bars, disc clamping nuts etc. But without hammers, bearings & pillow blocksof Ring Granulator (Model- TRM 53, 900 TPH)	SET	1
59	Fluid Coupling; Model No.-CDR-R-420; DRG No. 37-03-1900; For Conv.113	No	1
60	Complete set of Pump, Model- 7MD 80/205 D	NO	1
61	Complete set of Pump, Model- 3MD 125/305 V D	NO	1
62	Complete set of Pump, Model- 9MD 80/205 D	NO	1
63	Luffing Cylinder for SCR (Cyl PRO-1908) with both manifold blocks and all related valves	SET	1
64	Disc Roll (Disc Roll Full - 288 Nos., Disc Roll half - 24)	SET	1
65	Coupling Fluid Size 500 PST	SET	1
66	Radial Piston Hydro Motor, Spare for paddle drive of Paddle Feeder	NO	1
67	Replacement of the Battery Bank of CW P/H & Raw water PH Unit 7&8	2 sets	2 sets
68	Incomer Breaker, 415V KV PCC	1	1
69	315 KW Compressor Motor	1	1
70	400 KV Isolator Complete Assembly	1 set	1 set
71	220 V Battery Bank, YHP-31	1 set	1 set
72	Retrofitting of Actuator	15	15
73	Numerical Relays	1 lot	1 lot
74	Incomer Breaker, 415V KV PCC	1	1
75	CEP motor	1	1
76	Bus differential Relay for 220 KV Switchyard.	1 set	1
77	CT Fan Motor	1	1
78	AUMA Actuators	2	2
79	LT motors of different Rating	1 lot	1 lot
80	Service water Pump Motor	1	1
81	Actuators	No	5
82	220 V Battery Bank, YHP-31	1 set	1 set
83	Numerical Relays	1 lot	1 lot
84	Actuators	3	3
85	Energy Efficient LT Motors	4	4
86	VFD FOR SEAL AIR FAN	No	2
87	ARECA CONTROLLERS FOR ESP	1 lot	1 lot
88	Coal Mill Motor	1	1
89	MICOM MOTOR PROTECTION RELAY	2	2
90	220 V Battery Bank, YHP-31	1 set	1 set
91	Different types of LT Motors	1 lot	1 lot
92	Knife Gate Valve, Size -300 NB, Make SISTAG	Nos.	4
93	Knife Gate Valve, Size -400 NB, Make SISTAG	Nos.	4
94	Complete Assembly of Eco-Booster Pump	Nos.	1
95	Door of Feed Gate Assembly	Nos.	4
96	Different Basket of APH	Set	4
97	Boiler Tube	Metre	4000
98	Hi Chrome Grinding Media Ball	MT	2200
99	GR & BRS	No	40
100	Conveyor Belt of different sizes	Metre	4000
101	Ring Hammer	No	1400

102	Complete Assembly of SS Cladding Vacuum Pump	Nos.	4
103	Silo dry ash retractable chute assembly	Nos.	3
104	Impeller 2nd Stage(LH) for BAHP Water Pump	Nos.	1
105	Impeller 2nd Stage(RH) for BAHP Water Pump	Nos.	1
106	Impeller FOR FAHP WATER PUMP	Nos.	1
107	IMPELLER,EQP- HMDC WATER PUMP	Nos.	1
108	450 NB MANUALLY OPERATED PLATE VALVE, EQP- VALVES & FITTINGS	Nos.	2
109	200 NB Knife Edge Gate Valve (Manual Optd.)	Nos.	2
110	300 NB Cyl. Optd. Knife Edge Gate Valve	Nos.	2
111	HP water Pump Impeller, Part No-234, MODEL : ZM II 530/03	Nos.	1
112	Complete pump assembly of Economizer water pump, Model: 5 MD 80/205	Nos.	1
113	Complete assembly of HP Seal Water Pump, Model: 6 MD 80/205	Nos.	1
114	Bare LP Seal Water pump, MODEL-2 MD 125/305 V only without accessories and without motor.	Nos.	1
115	LP Seal Water Pump Impeller, Part no.24.2, MODEL-2 MD 125/305 V	Nos.	2
116	COMPLETE PUMP ASSEMBLY FOR ASH SLURRY DISPOSAL PUMP, MODEL AR200/550	Nos.	1
117	IMPELLER WITH NUT : PART NO: - 18 & 38 : MATERIAL : - ASTM A 532 CLASS III TYPE A HICHROME / NIHARD TYPE IV (550 BHN) FOR ASH SLURRY DISPOSAL PUMP	Nos.	1
118	Impeller with nut, Part no. 18&38 , MODEL-AR 150/500A BOATP Pump	Nos.	1
119	Pump shaft, Part no. 4 , MODEL-AR 150/500A BOATP Pump	Nos.	1
120	helical gear box type H1-160, Ratio- 1.66:1 P2 similar to existing gear box sl. No :HGF-19911 for Ash slurry disposal pump	Nos.	1
121	Rotary Feeder with gear box complete assembly	Nos.	1
122	8" Jet Pump Complete assembly without diffuser material	Nos.	2
123	BARE SHAFT BLOWER WITHOUT ACCESSORIES & WITHOUT ELECTRIC MOTOR,EQP- FLUIDIZING BLOWER (SILO)	Nos.	1
124	Valve type: Knife Edge Gate Valve (Unidirectional Cylinder Operated) Size: 300 NB Valve with Body Material: CI Spec. : Complete Set of Valve	Nos.	2
125	Valve type: Knife Edge Gate Valve (Unidirectional Cylinder Operated) Size: 350 NB Valve with Body Material: DUCTILE IRON BODY Spec. : Complete Set of Valve	Nos.	1
126	Valve type: Knife Edge Gate Valve (Bidirectional Hand Operated) Size: 350 NB Valve with Body Material: Ductile Iron Spec. : Complete Set of Valve	Nos.	1
127	COMPLETE SET OF BARE VACUUM PUMP (WITHOUT MOTOR) WATER RING VACUUM PUMP WITH FOLLOWING ACCESSORIES, MODEL:-200, CAPACITY:-400 M3/SR.NO.06033428	Nos.	2
128	Complete set of Ash Slurry Pump, model: AR 150/510	Nos.	1
129	COUPLING FLUID COMPLETE MODEL 20-SCR 25-B BRAND PEMBRIL SP FOR ASH HANDLING PLANT AHP FOR U#5&6	Nos.	1
130	FLASH MIXTURE AGITATOR GEAR BOX Order No.-160709 Type-U 400 Ratio-30:1 L Sl. No.-2BF114281	Nos.	2
131	Clarifloculator Gear Box (Main Drive) of Ash water recovery system of Unit#5&6. Type:- U-400 2W Ratio:-60:1	Nos.	1
132	UNI-DIRECTIONAL VALVE (ASH SLURRY SUCTION/DISCHARGE LINE), OPERATION :-PNEUMATIC, 300MM (DRY ASH CONVEYING)	Nos.	6
133	Complete Set of Valve, (Pneumatic), Size: 300 NB, Model: FIG 752 , with Valve Body Material: CI :BI-DIRECTIONAL,WAFER STYLE,MID FLANGE,TWO PIECE SPLIT BODY DESIGN. ACTUATOR:RCGC-12	Nos.	4

134	BI-DIRECTIONAL VALVE-BOTTOM ASH HOPPER AREA OPERATION :- PNEUMATIC, 200MM	Nos.	6
135	WAFER CAST BODY UNI DIRECTIONAL KNIFE GATE VALVA 300MM	Nos.	8
136	2.Bi-directional valve abrasive ash slurry. 250mm	Nos.	3
137	BUTTERFLY VALVE SIZE: 200NB / PNEUMATICALLY ACTUATOR OPERATED WAFER TYPE FLANGELESS BUTTERFLY VALVES WITH ACTUATOR FOR UNIR # 5&6, SIZE: 150 NB, RATING TO PN10	Nos.	3
138	BUTTERFLY VALVE SIZE: 250NB/ PNEUMATICALLY ACTUATOR OPERATED WAFER TYPE FLANGELESS BUTTERFLY VALVES WITH ACTUATOR FOR UNIR # 5&6, SIZE: 250 NB, RATING TO PN10	Nos.	10
139	WETTING HEAD,DRG.NO-23P01-T-2B-271 NOZZLE (16 X 19) 38 LONG, A/F30, SS-410,DRG.NO-1A-442-37/16 WITH CERAMIC INSERT 11mm DRG.NO-1-403020/2/11 ASSY. CONSISTING OF THE FOLLOWING ITEMS NOZZLE (16 X 19) 38 LONG, A/F30, THD SIZE-M-30 X 2 X 20LG.(1 NO/SET) CERAMIC NOZZLE DIM A=11mm,38MM LONG (1NO/SET)	Nos.	1
140	"Complete set of SILO Fluidizing Blower without motor, Make-M/s Kay International Limitted, Existing Sl. No.-65AC 06033420609 TBP Model- 65 AC, Capacity-380 m3/hr, Discharge Pressure-0.6 Kg/cm2, Speed- 1416rpm, Pump Input-20 H.P."	Nos.	1
141	DRAIN PUMP (VACUUM PUMP HOUSE), MODEL- VO 80/400 +TCH + N- GLAND RING, MATERIAL: IS 318 GR 2, PART NO: 46.9	Nos.	1
142	Gear box for Ash slurry pump #4-6 (Gear box H1-160ratio 1.3409/1P2)	Nos.	2
143	EXCEN CRUSHER 33 INCHX30INCH (ASSY), FOR CLINKER GRINDER AS PER DRG NO 25P04-T-1B-582	Nos.	1
144	JET PUMP ASSY-8 INCH WITH 3.5 INCH THROAT COMBINING TUBE (NOZZLE TIP - 38 MM), FOR JET PUMP AS PER DRG NO 25P01-T-1B-591	Nos.	4
145	Complete set without motor of Vent Fan for Silo of U#5,6. Model No.:AW-40, SL.No.-0709099, Type:AW, Size-40, MAKE- Orient Fans (Prop. Orient Paper & Industries Ltd.) Formerly: Air Conditioning Corp. Ltd. SPARES FOR AHP U#5,6	Nos.	1
146	COMPLETE BARE PUMP ASSEMBLY (sludge pump)	Nos.	1
147	Seal water pump complete assy. Modle no. 5625, 65x40 speed: 2925 RPM pump input 17.33KW	Nos.	1
148	Recovery water pump model: 5413 AWS 150x150, single stage, Drg. No. 2100304 2K6	Nos.	1
149	Overflow Transfer pump model: VO 150/400 + TCH + N	Nos.	1
150	Economizer water pump Model: S5922- 80x65 Compressor ZA 6H	Nos.	1
151	Clinker grinder gear box,U#5&6	Nos.	1
152	Fluid Coupling- Model-TFV-05A,U#5&6	Nos.	1
153	DRAIN PUMP (VACUUM PUMP HOUSE), MODEL- VO 80/400 +TCH + N- GLAND RING, MATERIAL: IS 318 GR 2, PART NO: 46.9	Nos.	1
154	ASH SLURRY DRAIN PUMP, TYPE:VO 50/230+TCH+N, SIZE:80X80, 1450RPM, -SPARES FOR AHP U#4	Nos.	1
155	COMPLETE SET VACUUM PUMP; MODEL NO- KVM 900	Nos.	1
156	motor pulley for vacuum pump model no:KVM-900 for U#4 ,AHMS.	Nos.	2
157	COUPLING FLUID MODEL T-12/03 MAKE FLUIDOMAT LTD SP FOR CLINKER CRUSHER SP FOR AHP UNIT 4	Nos.	2
158	GEARE BOX WORM REDUCTION TYPE AND SIZE 3UMC 6 WITH 30 : 1 ROTIO SUITABLE FOR 7.5 KW AT 1500 RPM	Nos.	2
159	COMPLETE SET OF SILO FLUIDIZING BLOWER,MODEL RH-80AC WITH ACCESSORIES WITHOUT MOTOR [M/C. SR.NO.151044671-72) CAPACITY:400 M3/HR,@5500MMWG SPEED:1500 RPM,SHAFT POWER:9.5 BKW SPARES FOR AHP U#4	Nos.	1

160	COMPLETE SET OF ESP FLUIDIZING BLOWER MODEL RH-80AC WITH ACCESSORIES WITHOUT MOTOR (M/C.SR.NO.151044575-76) CAPACITY: 300M3/HR,@4500MMWG,SPEED -1200 RPM,SHAFT POWER-5.9BKW SPARES FOR AHP U#4	Nos.	1
161	SEAL WATER PUMPM MODEL:FOC 4 STAGE, TYPE -MULTI-STAGE,40M ³ /HR CAPACITY HEAD TOTAL-100,2900RPM,BKW-14.92,MKW-18.5, IMPELLER-145MM DIA, CASING CI-IS-210,FG-260, IMPELLER-SS-304, AISI 4140,SS-410, SHAFT COUPLING, PIN & BUSH -SPARES FOR SEAL WATER PUMP, AHP	Nos.	1
162	HP ASH WATER PUMP MODEL:SDC/200/200, TYPE:AXIALLY SPLIT, SPEED:1480RPM, MKW160, SINGLE STAGE, CASING C11S-210-FG 260PIN BUSH COUPLING, IMPELLER, IMPELLER WEIRING SS-304, AISI-4140, SS-4110 MAKE-BECON WEIR -SPARES FOR AHP U#4	Nos.	1
163	SILO VENT FAN MODEL:28-160 WITH ACCESSARIES WITH OUT ELECTRIC MOTOR -AHP	Nos.	1
164	ROTARY FEEDER VENT FAN MODEL:32-125 WITH ACCESSARIES WITH OUT ELECTRIC MOTOR -AHP	Nos.	1
165	GEAR BOX REDUCTION GREAVES WORM REDUCER TYPE U-60030/1 DOS FOR CLINKER GRINDER	Nos.	2
166	IMPELLER WITH NUT SP. FOR BOTTOM ASH-SLURRY PUMP MODEL AR150/500 FOR AHP PART NO- 18 & 38	Nos.	6
167	IMPELLER WITH NUT- SP. FOR FLY ASH SLURRY PUMP MODEL NO. AR-150/500A FOR AHP PART NO- 18 & 38	Nos.	4
168	CARBON STEEL 'GATE VALVE' with M S. Companion flange.i) Class: 150ii) Type: Straight iii) Bolted Bonnetiv) Type of End connection: Flanged 1. Body & Bonnet: ASTM A 216 Gr. WCB 2. Wedge: 13% Cr steel on WCB A 216 Gr.3. Seat Ring: 13% Cr steel on WCB A 216 Gr. /AISI 410 4. Stem: A ISI-410-2/ ASTM A 182 Gr. F6a 5. Yoke: CS / ASTM A 4396. Sizes: Conform to B 16.107. Flanged drilling: conform to ANSI B 16.5Design / Specification:-i) Design Std: API 600 ii) Testing Pr: API 598 Application: i) Working Pressure: 10 Kg/ cm ² ii) Working Tem: 50 deg Ciii) Flow medium: Filtered water Size: 250 mm	Nos.	3
169	SPARES FOR BOTTOM ASH HOPPER SLUICE GATE IN ASH HANDLING PLANT OF U#1,2,3&4- COMPLETE SET OF PNEUMATIC (DOUBLE ACTING) CYLINDER ASSEMBLY.SIZE- 12" DIA. X 37.6" STROKE LENGTH(FOR OPERATING BOTTOM ASH HOPPER SLUICE GATE OF SIZE- 36" X 24")	Nos.	8
170	COMPLETE SET OF PUMP ASSEMBLY OF SAM MAKE Fly Ash Drain Pump,MODEL:VW 80/250+ARS, EARLIER PUMP SERIAL NO:4728-4733	Nos.	3
171	IMPELLER - SP. FOR SEAL-WATER PUMP MODEL: 10 MD/205 FOR AHP 1SET-10NOS	Nos.	3
172	PUMP SEAL WATER MODEL:10MD-80/205 SP FOR ASH HANDING PLANT	Nos.	2
173	C.C.S. GATE VALVE, Class:150, Size: 350mm	Nos.	2
174	Non-Return valve / Swing Check valve along with companion flangeClass:150; i) Working Pressure: 10 Kg/ cm ² Temp: 50 deg C;Body & Cover: ASTM A216 Gr. WCB, Body ring & Disc: 13 % Cr. Steel, Hinge Pin: AISI 410, Valve design; BS1868, Testing: BS 5146 / API 598 / BS 6755(Part I); End connection: Flange connection ANSI B16.10 ; Companion flange: Material MSSize: 200 mm	Nos.	10
175	Valve type: Globe valve (Hand Operated) Size: 200 NB Valve Class: 150 Class End Condition: Flange Type(FL) with Body Material: CCS Spec. : Complete Set of Valve without companion flange	Nos.	6
176	DRAIN PIT JET PUMP (SIZE: 80 NB, 50 NB INLET) NOZZLE TIP-13MM(ASSY), FOR DRAIN PIT JET PUMP AS PER DRG. NO. 23P01-T-1B-596	Nos.	4

177	COUPLING FLUID FOR CRUSHERFCU10 clinker grinder,U#1-3	Nos.	3
178	PUMP PULLEY FOR BOTTOM ASH SLURRY PUMP,MODEL-AR150/500,O.D DIA-510MM,I.D-90MM,NO OF GROVES-04 NOS,WIDTH-180MM SPARES FOR AHP	Nos.	2
179	Complete set of Bottom/Fly Ash Slurry Pump, model: AR 150/500A	Nos.	2
180	WHEEL WORM SP.FOR V-600 30/1 DOS GEAR BOX FOR CLINKER GRINDER	Nos.	2
181	250 NB CAST STEEL GLOBE VALVE COMPLYING TO BS 1873 STANDRED BOLTED BONNET,FLANGED ENDS WITH BODY MATERIAL: WCB & TRIM 13 % CR STEEL, CLASS:300	Nos.	3
182	CARBON STEEL 'GATE VALVE' with M.S. Companion flange.i) Class: 150ii) Type: Straight iii) Bolted Bonnetiv) Type of End connection: Flanged 1. Body & Bonnet: ASTM A 216 Gr. WCB 2. Wedge: 13% Cr steel on WCB A 216 Gr.3. Seat Ring: 13% Cr steel on WCB A 216 Gr. /AISI 410 4. Stem: A ISI-410-2/ ASTM A 182 Gr. F6a 5. Yoke: CS / ASTM A 4396. Sizes: Conform to B 16.107. Flanged drilling: conform to ANSI B 16.5Design / Specification:-i) Design Std: API 600 ii) Testing Pr: API 598 Application: i) Working Pressure: 10 Kg/ cm ² ii) Working Tem: 50 deg Ciii) Flow medium: Filtered water Size: 200 mm	NOS.	10
183	Knife Gate Valve, Size -300 NB	Nos.	4
184	Knife Gate Valve, Make, Size -450 NB	Nos.	4
185	Complete Assembly of SS Cladding Vacuum Pump	Nos.	4
186	Silo dry ash retractable chute assembly	Nos.	3
187	BTPS-Installation of C&I Lab	Lot	1
188	BTPS-Upgradation of M/s GEIP make PLC system installed AHP	Set	1
189	BTPS-PRDS Actuator (M/s Hora, Germany)	No	1
190	BTPS-CEP Actuator (M/s Hora, Germany))	No	1
191	DSTPS-Upgradation of M/s Schneider make PLC system of AHP	Set	1
192	DSTPS-Upgradation of M/s Schneider make PLC System of Fire Detection System	Set	1
193	DSTPS-Upgradation of HMI of TSI and Turbine Vibration System	Set	1
194	MTPS-Upgradation of HMI of PLC system of Barrage Intake pump house	Set	1
195	Bowl Assly of CW Pump	Set	1
196	Shafts of CW Pump(Impeleer,Intermediate,drive and head shaft)	Set	1
197	Bowl Assly of ACW Pump	Set	1
198	Rotating /Complete Assly of Service water pump , Rotating assly of APH Flushing Pp / HVAC Pp / CW Make up Pp/ Degasser water Pump/ DM transfer Pp/ N-pit Pump	Set	1
199	Bowl Assly of CW Pump	Set	1
200	Shafts of CW Pump(Impeleer,Intermediate,drive and head shaft)	Set	1
201	Bowl Assly of ACW Pump	Set	1
202	Bowl Assly CW Pump	Set	1
203	Bowl Assly of ACW Pump	Set	1
204	Rotating /Complete Assly of Service water pump , Rotating assly of APH Flushing Pp / HVAC Pp / CW Make up Pp/ Degasser water Pump/ DM transfer Pp/ N-pit Pump	Set	1
205	Bowl Assly PTCW/Intake Pump	Set	1

206	Bowl Assly CW Pump	Set	1
207	Shafts of CW Pump(Impeleer,Intermediate,drive and head shaft)	Set	1
208	Bowl Assembly (Raw Water / Intake Pump)	Set	1
209	Rotating /Complete Assly of Service water pump , Rotating assly of APH Flushing Pp / HVAC Pp / CW Make up Pp/ Degasser water Pump/ DM transfer Pp/ N-pit Pump	Set	1
210	CW PUMP BOWL ASSEMBLY	Set	1.00
211	CT FAN DRIVE SHAFT	No	3.00
212	CT FAN GEAR BOX	No	2.00
213	CT Fan Blade Assembly	Set	3.00
214	Shafts of CW Pump(Impeleer,Intermediate,drive and head shaft)	Set	1
215	CW PUMP BOWL ASSEMBLY	No	1.00
216	CT FAN DRIVE SHAFT	No	3.00
217	CT FAN GEAR BOX	No	1.00
218	CT Fan Blade Assembly	No	3.00
219	Shafts of CW Pump(Impeleer,Intermediate,drive and head shaft)	Set	1

	Item Description to be procured in Yr 25-26	Unit	Quantity
1	Complete bowl assembly/ Internal assembly Model - EN6J40	NO	1
2	COMPLETE BARE VACUUM PUMP, MODEL-ELMO 2BE1 353 OBY 4, MAKE- GARDNER DENVER NASH MACHINERY LTD.- PR CHINA	NO	1
3	Condenser Vacuum Pump assembly	NO	1
4	CONTROL FLUID PUMP ASSEMBLY	NO	1
5	CONDENSATE EXTRACTION PUMP BOWL ASSEMBLY	NO	1
6	BRECH NUT OF HP TURBINE	NO	1
7	PROCUREMENT OF COMPENSATORS OF STEAM LINE	SET	1
8	COMPLETE ASSEMBLY OF VACUUM BREAKER VALVE	NO	1
9	CONTROL FLUID PUMP ASSEMBLY	NO	1
10	BFP RECIRCULATION VALVES	NO	1
11	COMPLETE BOWL ASSEMBLY OF CEP	NO	1
12	Bolt Tensioner	NO	1
13	Complete Vacuum Pump Assembly	NO	1
14	Portable Oil Filtration Machine	NO	1
15	HRH strainer Element	NO	1
16	COMPENSATOR DN 900X6X12, PART NO.:7	NO	1
17	Fully Bladed IPT Rotor Compatible for 250MW KWU Units Installed At Mejia TPS, CTPS, DVC, Make-BHEL	NO	1
18	IP Inner Casing With Blades,Compatible for 250MW KWU Units Installed At Mejia TPS, CTPS, DVC, Make-BHEL	NO	1
19	MAIN OIL PUMP ASSEMBLY for BFP Hydro Coupling	NO	1
20	AUXILIARY OIL PUMP ASSEMBLY for BFP Hydro Coupling	NO	1
21	Gear box between Turbine BFP Booster pump	SET	1
22	Hot Reaheat steam Strainer elements	NO	1
23	Main steam strainer element	NO	1
24	Rotor assembly for MDBFP booster pump	NO	1
25	Rotor assembly for TDBFP booster pump	NO	1
26	Steam line bellows/ compensators	SET	1
27	CPU Butter Fly Valve	NO	10
28	BUTTERFLY VALVES FOR PHE	NO	8
29	TRIM ASSEMBLY FOR HP BYPASS VALVES	SET	1
30	TRIM ASSEMBLY FOR LP BYPASS VALVE	SET	1
31	Hydraulic Jack and Pump set	SET	1
32	Induction heater	NO	1
33	PRESSURE CONVERTER FOR LPBP STOP VALVE	NO	1
34	ASSEMBLY ESV VALVE CONE WITH VALVE SPINDLE	NO	1

35	COMPLETE SET LOW VACCUM CONDENSER PROTECTION	NO	1
36	COMPLETE SET OF EMERGENCY GOVERNOR	NO	1
37	COMPLETE ASSEMBLY OF EMERGENCY STOP VALVE	NO	1
38	COMPLETE SET OF OVER SPEED TRIP RELEASE UNIT	NO	1
39	LOW VACCUM TRIP ASSLY	NO	1
40	LPBP VALVE CONE	NO	1
41	Complete Set of HP Control valve 01 no.	NO	1
42	02 nos.VALVE CONE WITH SPINDLE for HPCV	NO	1
43	COMPLETE SAFETY VALVE,AS-46,model-SV 1811 QA3 X 20	NO	1
44	Complete SV tag AS-45,1811 LA3 X 20	NO	1
45	IPCV VALVE CONE	NO	1
46	LPBP VALVE CONE	NO	1
47	Crank Case & Shaft for Compressor	NO	1
48	Complete intercooler assembly for Compressor	NO	1
49	MS Strainer, Part No.0, DRG. No.11314376000, VAR:00	NO	1
50	HRH Strainer, Part No.0, DRG. No.11314476000, VAR:00	NO	1
51	Condensate Extraction Pump Assembly	NO	1
52	Rotor of Instrumnet air Dryer, Model No. MD#600, Make: Atlas Copco	NO	1
53	Seal Ring of Turbine 500 MW	NO	1
54	Rotating Assembly for TDBFP Booster Pump, TYPE:FA1B75	NO	1
55	Shaft Gland Seal of HP/IP/LP turbine	NO	1
56	Breating Apparatus set	NO	1
57	High pressure breathing air compressor	NO	1
58	Scaffolding material	Set	1
59	Sky climber hoist spares	Num	1
60	FD Fan Rotor, Blade assembly with shaft	Set	<u>1</u>
61	Pneumatic Spanner	Set	1
62	Spares for Scaffolding	Set	1
63	Sky Climber	Set	1
64	Inflatable Jack for Coil repairing of LTSH without removal of coil	Set	1
65	HFO Pump	Num	1
66	Inflatable Pneumatic Jack (03 nos)	Num	3
67	Radiography DarkRoom Accessories & Radiation Safety Equipments	Set	1
68	Bearing Induction Heater	Num	1
69	Hydraulic Torque Wrench with Accessories	Set	1
70	Drive Rack Segment With Pilot hole for Drive Gear Assembly of Wagon Tippler, Make- M/S L T, Model- HI- LIFT XL	No.	19
71	Cylinder Rod End Pivot Pin for Clamp Gear Assembly anf Flanged Bush OD 120 X 67 Lg. for Clamp Bracket of Wagon Tippler, Make- M/S L&T, Model- HI- LIFT XL	No.	8
72	Clamp Beam Pivot Pin for Clamp Gear Assembly and Bush for Cylinder Rod End Pivot Pin of Wagon Tippler, Make- M/S L&T, Model- HI- LIFT XL	No.	8
73	Support Roller (DIA 300/160 X 225) along with Bush for Support Roller (DIA 170 X 150D X 75) for Platform Assembly and Other Accessories of Wagon Tippler, Make- M/S L&T, Model- HI- LIFT XL	No.	2
74	Cup and Cone Arrangement of of Wagon Tippler, Make- M/S L&T, Model- HI- LIFT XL	Set	2
75	Rack segment of Side Arm Charger (Make: M/S L&T), Hauling Capacity- 37.5 Ton	No.	17
76	Pinion of Side Arm Charger (Make: M/S L&T), Hauling Capacity- 37.5 Ton	No.	1
77	Charger arm Bush of Side Arm Charger (Make: M/S L&T), Hauling Capacity- 37.5 Ton	No.	1
78	Arm Pivot Pin along with Bush of Side Arm Charger (Make: M/S L&T), Hauling Capacity- 37.5 Ton	No.	2

79	Pump Complete, Type- SP 71; SR-V-EP-R90-2437761 for Haggglunds drives	No	1
80	Complete Pump, SP 250 SR-V-EP-2430562 for Haggglunds drives	No	1
81	Complete Bucket Wheel Gear Hydraulic Drive Assembly for S/R of CHP#7&8	Set	1
82	Complete Gear Box Model PLB-25 of CHP#7&8	No	1
83	Complete set of Scoop Coupling for Conv# 13 drive of CHP#5&6	NO.	1
84	Hoist assembly Capacity 10 & 15 Ton of CHP#5&6	Set	1
85	Crusher Rotor Shaft	NO	1
86	Procurement of 01 no. Gear Box for Belt Conveyor (Model: CKC-500, Make-New Allenberry Works)	NO	1
87	Procurement of 01 no. Gear Box for In-Line Magnetic Separator (Model: K08328.0BMZC1A11.APL HBGM K0832-11 KW. Make-Power Build Limited)	SET	1
88	Apron pan with fixing hardware	NO	160
89	HT motor 220KW, 3.3KV	No	1
90	LT Motors	Lot	1 lot
91	ARECA CONTROLLERS FOR ESP (U#5,6)	Lot	1 lot
92	COMPLETE BATTERY BANK 220V SYSTEM YHP-31, U#6	Set	1 set
93	DC DIGITAL TONG TESTER	No	1
94	HANDHELD RELATIVE HUMIDITY & TEMPERATURE METER	No	1
95	MICOM MOTOR PROTECTION RELAY	No	2
96	Complete set of Hydraulic Rail clamp with hydraulic cylinder.	SET	1
97	Procurement of 10Nos. of 20Mtr. High Mast lighting Shaft & its luminaires for KTPS for KTPS Plant area	NO	10
98	Instrument Air Compressor Motor	NO	1
99	LT Motor - Clinker Grinder & LDO Motor	NO	2
100	HFO Pump Motor	NO	1
101	Numerical Relays	Lot	1 lot
102	Complete Circuit Breaker, Isolator and CT for 33 kV switchayrd	Lot	1 lot
103	Replacement of HPSVs/Fluroscents with LED light	Lot	1 lot
104	Procurement of Induction Heater for Bearing	No	1
105	Procurement of Insulated folding Ladder & Local Discharge rod	No	1
106	Hydraulic bearing puller	No	1
107	Motor checker	No	1
108	Numerical Bus differential Scheme for Sw. yard (1-4)	Lot	1 lot
109	Supply Erection & commissioning of 220 V , SF6 Breakers	No	5
110	RETROFIT OF GRP NUMERICAL RELAYS REPLACING OLD ELECTROMECHANICAL RELAYS (U#1-4) ON OEM BASIS	Lot	1 lot
111	COMPLETE BATTERY BANK 220V SYSTEM YHP-25, U#4	Set	1 set
112	Energy Efficient LT Motors(>90 KW)	No	3
113	Upgradation of existing static excitation system with DVR (digital voltage regulator) system(Replacement of Gen. AVR U#1,2,3)	Lot	1 lot
114	Supply Erection & commissioning of 220 V , SF6 Breakers	No	5
115	Procurement of Generator Stator winding bar	No	8
116	LT motors for Unit#1,2&3	No	3
117	Electrical Instruments (Insulation Tester,Clampmeter, etc.)	Lot	1 lot
118	Infrared Thermometer	No	1
119	Relays	Lot	1 lot
120	Air Conditioner	No	8
121	Motor protection Numerical Relay,Type-7SK8032-5EB90-1HEO/BB, Numerical type, CTR-5A, PTR-110V, Aux Supply-220V DC, Make-SIEMENS	No	1
122	HT Transformer/Motor feeder Protection Numerical Relay,SL No-7SJ8031-5EB90-1FBO/BB, Make-SIEMENS	No	1
123	Numerical relay,(Siemens Make),Type:7SJ6241-5EB90-1FF4	No	1

124	3 phase SQ induction motor, 110 KW, 4 pole, Motor for ETP Waste Disposal Pump	No	1
125	420kV Capacitive Voltage Transformer; 8800pF/ 4400pF, 3-Core, Type: Capacitive, Single Phase,Oil Filled, Hermetically sealed, Outdoor, Pedestal Type; Make-BHEL	No	1
126	HPCF Motor	No	1
127	220V DC Battery Bank	SET	1set
128	VFD Transformer (Dyn1)	NO	1
129	Bus differential Relay for 220 KV Switchyard.	Lot	1 lot
130	Rockwell PLC System + Workstation	Lot	1 lot
131	CEP motor	NO	1
132	6.6 KV/415 V Dry type transformer	NO	1
133	CT Fan Motor	NO	1
134	Replacement of Bus differential relays along with CT cables at 220 KV switchyard	Lot	1 lot
135	25 KV CB to replace Old CBS	no	1
136	Replacement of age old 50 MVA Station Transformer (ST)	no	1
137	HP water Pump Impeller, Part No-234, MODEL : ZM II 530/03	Nos.	1
138	Different Basket of APH	Set	4
139	Boiler Tube	Metre	4000
140	Hi Chrome Grinding Media Ball	MT	2200
141	GR & BRS	No	40
142	Conveyor Belt of different sizes	Metre	4000
143	Ring Hammer	No	1400
144	Complete Set of LP Water pump, MODEL-8 AD 11	Nos.	1
145	Complete pump assembly of Economizer water pump, Model: 5 MD 80/205	Nos.	1
146	Complete assembly of HP Seal Water Pump, Model: 6 MD 80/205	Nos.	1
147	helical gear box type H1-160, Ratio- 1.66:1 P2 similar to existing gear box sl. No :HGF-19911 for Ash slurry disposal pump	Nos.	1
148	COMPLETE SET OF "KVL-750 VACUUM PUMP" WITHOUT MOTOR.	Nos.	1
149	8" Jet Pump Complete assembly without diffuser material	Nos.	2
150	Wetting head (Drg no. I-A230-SD-2-024)	Nos.	1
151	Valve type: Butterfly valve (Pneumatic Operated) Size: 300 NB Valve Class: PN-10 CLASS Body Material: CI Spec. : Complete Set of Valve	Nos.	1
152	Valve type: Butterfly valve (Pneumatic Operated) Size: 350 NB Valve Class: PN-10 CLASS Body Material: CI Spec. : Complete Set of Valve	Nos.	1
153	Valve type: Butterfly valve (Hand Operated) Size: 200 NB Valve Class: PN-10 CLASS Body Material: CI Spec. : Complete Set of Valve	Nos.	2
154	Valve type: Butterfly valve (Hand Operated) Size: 250 NB Valve Class: PN-10 CLASS Body Material: CI Spec. : Complete Set of Valve	Nos.	1
155	Valve type: Butterfly valve (Hand Operated) Size: 350 NB Valve Class: PN-10 CLASS Body Material: CI Spec. : Complete Set of Valve	Nos.	1
156	Valve type: Knife Edge Gate Valve (Unidirectional Cylinder Operated) Size: 300 NB Valve with Body Material: CI Spec. : Complete Set of Valve	Nos.	2
157	Valve type: Knife Edge Gate Valve (Unidirectional Cylinder Operated) Size: 350 NB Valve with Body Material: DUCTILE IRON BODY Spec. : Complete Set of Valve	Nos.	1
158	Valve type: Knife Edge Gate Valve (Bidirectional Hand Operated) Size: 350 NB Valve with Body Material: Ductile Iron Spec. : Complete Set of Valve	Nos.	1

159	Pump Shaft (Spares for flowmore make H.P water pump, model:F5826-200x150,part no:4)	Nos.	2
160	Impeller (Spares for flowmore make H.P water pump, model:F5826-200x150,part no:16)	Nos.	2
161	LP water Pump Impeller,Pump model:F5823	Nos.	2
162	Seal Water Pump IMPELLER, MOC: SS-304/ SS (CF-8),MODEL-5625, SIZE- 65X40	Nos.	2
163	B.SEAL WATER PUMP COMPLETE PUMP MODEL NO-5625-65X40 SPEED-2925 R.P.M.PUMP INPUT 17.33KW	Nos.	1
164	PUMP SHAFT FOR SEAL WATER PUMP , MODEL NO:5625, SIZE-65X40	Nos.	2
165	Pump Shaft - RECOVERY WATER PUMP MODEL-5413 AWS-150 X 150,SINGLE STAGE,DRG NO-210 03 04 2K6	Nos.	2
166	Line Shaft RECOVERY WATER PUMP MODEL-5413 AWS-150 X 150,SINGLE STAGE,DRG NO-210 03 04 2K6	Nos.	2
167	Knife Gate Valve, Size -300 NB, Make SISTAG	Nos.	4
168	Knife Gate Valve, Size -400 NB, Make SISTAG	Nos.	4
169	Knife Gate Valve, Make, Size -450 NB, Make SISTAG	Nos.	2
170	Complete Assembly of Bottom Ash High Pressure Pump	Nos.	1
171	Complete Assembly of Fly Ash High Pressure Pump	Nos.	1
172	Complete Assembly of Eco-Booster Pump	Nos.	1
173	Complete Assembly of Bottom Ash Low Pressure Pump	Nos.	1
174	Complete Assembly of Drain Pump of Ash Slurry Pump House/ Silo Drain Pump	Nos.	1
175	Gear box of Ash Slurry Pump	Nos.	1
176	Silo dry ash retractable chute assembly	Nos.	3
177	Complete pump assy. of HP WATER PUMP, MODEL : ZM II 530/03	Nos.	1
178	Top Shaft RECOVERY WATER PUMP MODEL-5413 AWS-150 X 150,SINGLE STAGE,DRG NO-210 03 04 2K6	Nos.	2
179	Impeller RECOVERY WATER PUMP MODEL-5413 AWS-150 X 150,SINGLE STAGE,DRG NO-210 03 04 2K6	Nos.	2
180	Ash Slurry Drain Pump Single Shaft - SPARES FOR VO 100/260 +TCH+N	Nos.	2
181	Over flow transfer pump model VO 150/400 + TCH+N	Nos.	1
182	DRAIN PUMP (VACUUM PUMP HOUSE), MODEL- VO 80/400 +TCH + N-GLAND RING, MATERIAL: IS 318 GR 2, PART NO: 46.9	Nos.	1
183	Vacuum drain pump Single Shaft - SPARES FOR VO 80/400+TCH+N	Nos.	2
184	Clinker grinder gear box,U#5&6	Nos.	1
185	Gear box for Ash slurry pump #4-6 (Gear box H1-160ratio 1.3409/1P2)	Nos.	1
186	Impeller with nut /18 - Spares for Pump AR 150/510	Nos.	4
187	BI-DIRECTION KNIFE GATE VALVE WAFER CAST BODY 200MM	Nos.	3
188	UNI-DIRECTIONAL VALVE (ASH SLURRY SUCTION DISCHARGE LINE) OPERATION- PNEUMATIC, DRY FLY ASH LINE, NB 250MM LINE AT CHANG OVER STATION	Nos.	2
189	BI-DIRECTION KNIFE GATE VALVE C I BI DIRECTION WAFER STYLE SIZE 300MM MID FLENGH 2 PC SPLIT BODY DESIGN PTFE DIRECT MONNTED	Nos.	2
190	Complete Set of Valve, (Pneumatic), Size: 300 NB, Model: FIG 752 , with Valve Body Material: CI :BI-DIRECTIONAL,WAFER STYLE,MID FLANGE,TWO PIECE SPLIT BODY DESIGN. ACTUATOR:RCGC-12	Nos.	6
191	BI-DIRECTIONAL VALVE-BOTTOM ASH HOPPER AREA OPERATION :- PNEUMATIC, 200MM	Nos.	4
192	WAFER CAST BODY UNI DIRECTIONAL KNIFE GATE VALVA 300MM	Nos.	3
193	2.Bi-directional valve abrasive ash slurry. 250mm	Nos.	5
194	EXCEN CRUSHER 33 INCHX30INCH (ASSY), FOR CLINKER GRINDER AS PER DRG NO 25P04-T-1B-582	Nos.	1

195	BUTTERFLY VALVE SIZE: 150NB / PNEUMATICALLY ACTUATOR OPERATED WAFER TYPE FLANGELESS BUTTERFLY VALVES WITH ACTUATOR FOR UNIR # 5&6, SIZE: 150 NB, RATING TO PN10	Nos.	3
196	BUTTERFLY VALVE SIZE: 250NB/ PNEUMATICALLY ACTUATOR OPERATED WAFER TYPE FLANGELESS BUTTERFLY VALVES WITH ACTUATOR FOR UNIR # 5&6, SIZE: 250 NB, RATING TO PN10	Nos.	3
197	WETTING HEAD,DRG.NO-23P01-T-2B-271 NOZZLE (16 X 19) 38 LONG, A/F30, SS-410,DRG.NO-1A-442-37/16 WITH CERAMIC INSERT 11mm DRG.NO-1-403020/2/11 ASSY. CONSISTING OF THE FOLLOWING ITEMS NOZZLE (16 X 19) 38 LONG, A/F30, THD SIZE-M-30 X 2 X 20LG.(1 NO/SET) CERAMIC NOZZLE DIM A=11mm,38MM LONG (1NO/SET)	Nos.	2
198	Complete set of E.S.P. Fluidizing Blower without motor, Make-M/s Kay International Limitted, Existing Sl. No.-55AC 06022820609 STB and 55AC 06022320609 STB Model-55 AC, Capacity-250 m3/hr, Discharge Pressure-0.4 Kg/cm2, Speed-1233rpm, Pump Input-7.5 H.P.	Nos.	1
199	JET PUMP ASSY-8 INCH WITH 3.5 INCH THROAT COMBINING TUBE (NOZZLE TIP - 38 MM), FOR JET PUMP AS PER DRG NO 25P01-T-1B-591	Nos.	2
200	Complete set without motor of Vent Fan for Silo of U#5,6. Model No.:AW-40, SL.No.-0709099, Type:AW, Size-40, MAKE-Orient Fans (Prop. Orient Paper & Industries Ltd.) Formerly: Air Conditioning Corp. Ltd. SPARES FOR AHP U#5,6	Nos.	1
201	SEAL WATER PUMPM MODEL:FOC 4 STAGE, TYPE -MULTI-STAGE,40M ³ /HR CAPACITY HEAD TOTAL-100,2900RPM,BKW-14.92,MKW-18.5, IMPELLER-145MM DIA, CASING CI-IS-210,FG-260, IMPELLER-SS-304, AISI 4140,SS-410, SHAFT COUPLING, PIN & BUSH -SPARES FOR SEAL WATER PUMP, AHP	Nos.	1
202	HP ASH WATER PUMP MODEL:SDC/200/200, TYPE:AXIALLY SPLIT, SPEED:1480RPM, MKW160, SINGLE STAGE, CASING C11S-210-FG 260PIN BUSH COUPLING, IMPELLER, IMPELLER WEIRING SS-304, AISI-4140, SS-4110 MAKE-BECON WEIR -SPARES FOR AHP U#4	Nos.	1
203	HP water Pump IMPELLER PT NO.22 -SPARES FOR HP PUMP, MODEL:SDC 200/200, AHP	Nos.	2
204	HP water Pump SHAFT WITH KEY & NUTS (PT NO.2,24 & 3), SHAFT MOC-SS-316 -SPARES FOR HP PUMP, MODEL:SDC 200/200, AHP	Nos.	2
205	PIPE TELESCOPIC (PT NO.1) ASSEMBLY -FOR TELESCOPIC SPOUT DRG. NO.23P01-T-1B-835 -SPARES FOR SILO SYSTEM, AHP	Nos.	2
206	SILO VENT FAN MODEL:28-160 WITH ACCESSARIES WITH OUT ELECTRIC MOTOR -AHP	Nos.	1
207	ROTARY FEEDER VENT FAN MODEL:32-125 WITH ACCESSARIES WITH OUT ELECTRIC MOTOR -AHP	Nos.	1
208	GEAR BOX REDUCTION GREAVES WORM REDUCER TYPE U-60030/1 DOS FOR CLINKER GRINDER	Nos.	2
209	IMPELLER WITH NUT SP. FOR BOTTOM ASH-SLURRY PUMP MODEL AR150/500 FOR AHP PART NO- 18 & 38	Nos.	3
210	CARBON STEEL 'GATE VALVE' with M.S. Companion flange.i) Class: 150ii) Type: Straight iii) Bolted Bonnetiv) Type of End connection: Flanged 1. Body & Bonnet: ASTM A 216 Gr. WCB 2. Wedge: 13% Cr steel on WCB A 216 Gr.3. Seat Ring: 13% Cr steel on WCB A 216 Gr. /AISI 410 4. Stem: A ISI-410-2/ ASTM A 182 Gr. F6a 5. Yoke: CS / ASTM A 4396. Sizes: Conform to B 16.107. Flanged drilling: conform to ANSI B 16.5Design / Specification:-i) Design Std: API 600 ii) Testing Pr: API 598 Application: i) Working Pressure: 10 Kg/ cm ² ii) Working Tem: 50 deg Ciii) Flow medium: Filtered water Size: 250 mm	Nos.	2

211	COMPLETE SET OF PUMP ASSEMBLY OF SAM MAKE Fly Ash Drain Pump,MODEL:VW 80/250+ARS, EARLIER PUMP SERIAL NO:4728-4733	Nos.	1
212	Fly Ash Drain Pump IMPELLER WITH NUT SPARES FOR DRAIN PUMP MODEL VW80/250 + ARS FOR AHP	Nos.	2
213	Fly Ash Drain Pump SHAFT DRIVE PT NO 16 SPARES FOR SAM MAKE DRAIN PUMP MODEL - VW 80/250+ARS FOR AHP	Nos.	1
214	SHAFT PUMP - SP. FOR DRAIN PUMP MODEL VW-80/250+ARS FOR AHP	Nos.	1
215	IMPELLER - SP. FOR SEAL-WATER PUMP MODEL: 10 MD/205 FOR AHP 1SET-10NOS	Nos.	1
216	PUMP SEAL WATER MODEL:10MD-80/205 SP FOR ASH HANDING PLANT	Nos.	1
217	SHAFT PUMP SP. FOR SEAL WATER PUMP MODEL 10MD/205 FOR AHP	Nos.	2
218	COUPLING FLUID FOR CRUSHERFCU10 clinker grinder,U#1-3	Nos.	1
219	WHEEL WORM SP.FOR V-600 30/1 DOS GEAR BOX FOR CLINKER GRINDER	Nos.	1
220	WHEEL SHAFT SPARE FOR CLINKER CRUSHER GEAR BOX U-600, RATIO: 30:1 AHP #1,2,3	Nos.	1
221	SHAFT WORM SP. FOR U 600 30/1 DOS GEAR BOX FOR CLINKER GRINDER	Nos.	1
222	SHAFT PUMP SP. FOR BOTTOM ASH SLURRY PUMP MODEL AR-150/500 FOR AHP PART NO- 4	Nos.	1
223	SHAFT PUMP-SPARES FOR FLY ASH SLURRY PUMP MODEL:AR-150/500A -AHP Part No- 4	Nos.	1
224	PUMP PULLEY FOR BOTTOM ASH SLURRY PUMP,MODEL-AR150/500,O.D DIA-510MM,I.D-90MM,NO OF GROVES-04 NOS,WIDTH-180MM SPARES FOR AHP	Nos.	1
225	PULLEY VARIABLE PITCH CI/MS PUMP SP. FOR FLY ASH SLURRY PUMP MODEL AR/150/500A SL NO 4306	Nos.	1
226	CARBON STEEL 'GATE VALVE' with M S. Companion flange.i) Class: 150ii) Type: Straight iii) Bolted Bonnetiv) Type of End connection: Flanged 1. Body & Bonnet: ASTM A 216 Gr. WCB 2. Wedge: 13% Cr steel on WCB A 216 Gr.3. Seat Ring: 13% Cr steel on WCB A 216 Gr. /AISI 410 4. Stem: A ISI-410-2/ ASTM A 182 Gr. F6a 5. Yoke: CS / ASTM A 4396. Sizes: Conform to B 16.107. Flanged drilling: conform to ANSI B 16.5Design / Specification:-i) Design Std: API 600 ii) Testing Pr: API 598 Application: i) Working Pressure: 10 Kg/ cm ² ii) Working Tem: 50 deg Ciii) Flow medium: Filtered water Size: 200 mm	Nos.	3
227	Valve type: Gate valve (Hand Operated) Size: 300 NB Valve Class: 150 Class End Condition: Flange Type(FL) with Body Material: CCS Spec. : Complete Set of Valve with companion flange	Nos.	2
228	Non-Return valve / Swing Check valve along with companion flangeClass:150; i) Working Pressure: 10 Kg/ cm ² Temp: 50 deg C;Body & Cover: ASTM A216 Gr. WCB, Body ring & Disc: 13 % Cr. Steel, Hinge Pin: AISI 410, Valve design; BS1868, Testing: BS 5146 / API 598 / BS 6755(Part I); End connection: Flange connection ANSI B16.10 ; Companion flange: Material MSSize: 200 mm	Nos.	3
229	250 NB CAST STEEL GLOBE VALVE COMPLYING TO BS 1873 STANDRED BOLTED BONNET,FLANGED ENDS WITH BODY MATERIAL: WCB & TRIM 13 % CR STEEL, CLASS:300	Nos.	2
230	Valve type: Globe valve (Hand Operated) Size: 200 NB Valve Class: 150 Class End Condition: Flange Type(FL) with Body Material: CCS Spec. : Complete Set of Valve without companion flange	Nos.	4

231	DRAIN PIT JET PUMP (SIZE: 80 NB, 50 NB INLET) NOZZLE TIP-13MM(ASSY), FOR DRAIN PIT JET PUMP AS PER DRG. NO. 23P01-T-1B-596	Nos.	3
232	Submersible type Slurry Pump	Nos.	1
233	Knife Gate Valve, Size -300 NB	Nos.	4
234	Complete Assembly of Bottom Ash High Pressure Pump	Nos.	1
235	Complete Assembly of Fly Ash High Pressure Pump	Nos.	1
236	Complete Assembly of Eco-Booster Pump	Nos.	1
237	Door of Feed Gate Assembly	Nos.	4
238	Complete Assembly of Bottom Ash Low Pressure Pump	Nos.	1
239	Complete Assembly of Drain Pump of Ash Slurry Pump House/ Silo Drain Pump	Nos.	1
240	KTPS-Other Assets (Complete assembly -Furnace CCTV & Drone camera)	Set	1
241	KTPS-Electronic modules for PLC	Lot	1
242	RTPS-Electronic modules for DCS/DDCMIS	Lot	1
243	RTPS-Electronic modules for PLC	Lot	1
244	MTPS-Procurement, Erection & Commissioning of new "Online Generator H2 purity measurement system" for MTPS Unit 1, 2 & 3.	Set	1
245	DSTPS-Opacity Analyzers of ESP Outlet	Set	2
246	DSTPS-Electronics Modules for DCS/ DDCMIS	Lot	1
247	DSTPS-Complete Power Cylinder	Lot	1
248	BTPS-Procurement of Actuator assemblies of M/s Masoneilan Dresser Valve India Pvt .Ltd	Lot	1
249	BTPS-Electronics Modules for DCS/ DDCMIS	Lot	1
250	BTPS-Electronics Modules for Programme Logic Controller	Lot	1
251	CTPS-Electronics Modules for DCS/ DDCMIS	Lot	1
252	Shapper Machine Assembly	Set	1
253	Service Water Pump Assembly	No	1
254	CW Pump Bowl Assembly/Impeller/shafts	Set	1
255	Thrust bearing assembly(Mitchel make)	No	1
256	Electrolysis HM Module and its accessories for Hydrogen Generation plant	No	1
257	Energy Efficient CT Fan blade assembly for Cooling Towers of U#5&6 (22 Nos.)	No	22
258	C.W. Pump Complete/Impeller/Shafths (U#5-6)	No	1
259	Deluge Valve size 150NB with complete accessories.	No	1
260	Deluge Valve size 100NB with complete accessories.	No	5
261	250 NB SWING CHECK VALVE	No	1
262	Thrust Stand Assy. Of ACW Pump	No	1
263	CW Thrust Assy.	No	1
264	CT FAN DRIVE SHAFT	No	2
265	CT FAN GEAR BOX	No	2
266	CT CELL VALVE - 700 mm	No	1
267	CT CELL VALVE GEAR BOX	No	4
268	DRIVE SAHFT & PUMP SHAFT ASSEMBLY	No	1
269	CT Fan Blade Assembly	No	3
270	Ph Meter (01 No.) for environmental lab	No	1
271	conductivity meter (01 No.) for environmental lab	No	1
272	Dew point apparatus (01 Nos)	No	1
273	Portable flue gas analyzer (01 Nos)	No	1

SL.N:	Name of the Machinery/ Component	Number of the Machinery/ Component likely to be procured in next Five Years				
		2021-22	2022-23	2023-24	2024-25	2025-26

System:						
1	33 KV Circuit Breaker	20.00	15.00	5.00	15.00	5.00
2	33 KV Current Transformer	20.00	40.00	50.00	20.00	10.00
3	34 KV Current Isolators	35.00	20.00	20.00	10.00	15.00

4	33 KV Lightning Arrestor	30.00	45.00	50.00	10.00	30.00
5	33 KV Potential Transformer		10.00		10.00	
6	132 KV Circuit Breaker	5.00	10.00	30.00	5.00	10.00
7	132 KV Current Transformer		12.00	20.00	10.00	8.00
8	132 KV isolator		60.00	20.00	10.00	10.00
9	132 KV Lightning Arrestor		40.00	20.00	10.00	30.00
10	132kV CVT		6.00	12.00	6.00	
11	132 KV Potential Transformer		9.00	6.00		
12	145KV GIS Line bay module		2.00			
13	145KV GIS Transformer bay module		2.00			
14	145KV GIS Bus Tie bay module		1.00			
15	220 KV Circuit Breaker		4.00	2.00	4.00	
16	220 KV Current Transformer		12.00	8.00		
17	220 KV isolator		11.00	9.00		
18	220 KV Lightning Arrestor		30.00	20.00	30.00	20.00
19	220 kV CVT		10.00	10.00	5.00	
20	245KV GIS Line bay module			4.00		
21	245KV GIS Transformer bay module			8.00		
22	245KV GIS Bus Tie bay module			2.00		
23	33 KV Cable		10.00	5.00		
24	220kV EHV XLPE, Cu Cable				5.00	
25	LT Control & Power Cable(km)		100.00	60.00	30.00	10.00
26	Control & Relay Panel		30.00	10.00	10.00	10.00
27	Substation Automation System (Nos)		3.00	2.00	2.00	8.00
28	80MVA, 230KV / 36KV Power Transformer		2.00	2.00		2.00
29	80MVA, 132KV / 34.5KV Power Transformer		2.00	2.00	2.00	2.00
30	50MVA, 132KV / 34.5KV Power Transformer		2.00	2.00	2.00	2.00
31	250KVA, 33KV/415V Grounding Transformer		2.00	4.00		
32	Transformer Oil (KL)	100.00	300.00	300.00	400.00	200.00
33	HTLS Conductor(KM)		50.00	50.00	100.00	
34	GI Earth Wire		25.00	50.00	25.00	50.00
35	Conductor	50.00	200.00	200.00	250.00	100.00

Project

Information as per prescribed format regarding procurement plans for FGD installations in DVC TPSS (Already awarded package)

Sl. No.	Name of the Machinery/Component	Number of Machinery/Components Likely to be procured in				
		2021-22	2022-23	2023-24	2024-25	2025-26
1	Supply of Equipment and machinery for FGD System at DSTPS (2X500 MW)	75% of Unit#1 50% of Unit#2	50% of Unit#2	-	-	-
2	Supply of Equipment and machinery for FGD System at MTPS-7&8 (2X500 MW)	75% of Unit#1 50% of Unit#2	50% of Unit#2	-	-	-
3	Supply of Equipment and machinery for FGD System at RTPS (2X600 MW)	75% of Unit#1 50% of Unit#2	50% of Unit#2	-	-	-
4	Supply of Equipment and machinery for FGD System at KTPS (2X500 MW)	75% of Unit#1 50% of Unit#2	50% of Unit#2	-	-	-
5	Supply of Equipment and machinery for FGD System at BTPS A(1X500 MW)	60%	40%			
6	Supply of Equipment and machinery for FGD System at MTPS-1-6 (4X210 MW & 2X250 MW)	2%	47%	47%		

Supply equipment typically consists of the followings

FGD System

1. Booster fan with Motors
2. LS grinding system
3. Gypsum Dewatering System
4. Oxidation Air Blowers with Drives
5. Mist Eliminator
6. Pumps and Agitators with motors inside absorber
7. gate Dampers and duct Expansion Joints
8. Absorber internals
9. valves, pipes, fittings etc.
10. BOP Utilities
11. Fabricated Components
12. Insulation & Cladding
13. Electrical Sytem
14. C&I System
15. Misc

Limestone and Gypsum Handling System including Weigh Bridge (Common for both Unit)

1. Limestone handling System
2. Gypsum Hnadling System
3. Weigh Bridge

Chimney (common for Both Units)

1. Borosilicate Lining Material
2. Elevator
3. Earthing and Aviation System
4. Titanium Material
5. Condensate Collection System

The following imported items covered in above table for 500/600 MW Units are to be procured in 2021-22

Sl. No.	Description of the Items	Unit	Quantities for 02 Units of One Plant	Total Quantity of DSTPS, RTPS, MTPS 7&8, KTPS and BTPS A	Rates for 02 Units of One Plant (BBU) (Rs. Cr)	Total Amount (Rs. Cr)
1	Absorber clad Plate	Lot	1	5	33	165
2	Borosilicate Lining material for chimney	Lot	1	5	11	55
3	Ti- Clad	Lot	1	5	10	50
4	Agitator	Lot	1	5	8	40
5	Gypsum dewatering System	Lot	1	5	6	30
6	Mist Eliminator	Lot	1	5	7	35
7	C-276 Wrapping material	Lot	1	3	6	18
8	C-276 Plates	Lot	1	1	12	12
9	Spray Nozzle	Lot	1	1	5	5
10	Oxidation Blower	Lot	1	1	2	2

Sl. No.	Name of the Machinery/Component	Number of Machinery/Components Likely to be procured in				
		2021-22	2022-23	2023-24	2024-25	2025-26
FGD System of CTPS 7&8 (2X250 MW) (To be Awarded)						
1	Booster fan with Motors		5%	60%	35%	
2	Limestone Handling system		5%	60%	35%	
3	Gypsum Dewatering System		5%	60%	35%	
4	Oxidation Air Blower with Motor		5%	60%	35%	
5	Agitators with drives		5%	60%	35%	
6	Mist Eliminaters		5%	60%	35%	

7	Pumps with Drives		5%	60%	35%	
8	Gates Dampers & duct Expansion Joints		5%	60%	35%	
9	Piping valves & Fittings		5%	60%	35%	
10	Absorber Internals		5%	60%	35%	
11	Shop Fabricated Items like flue gas ducts, duct supports, absorber clad plates, silo support structures, Mill building Support structures, crusher house supports structures		5%	60%	35%	
12	Insulation and cladding		5%	60%	35%	
13	Electrical System		5%	60%	35%	
14	C&I System		5%	60%	35%	
15	Weigh Bridge		5%	60%	35%	
16	Items for Chimney Like Borosilicate Lining, Elevator, Titanium cladding Sheet, Condensate Collection System & Illumination System		5%	60%	35%	

Implementation of De-Nox System

Sl. No.	Name of the Machinery/Component	Number of Machinery/Components Likely to be procured in				
		2021-22	2022-23	2023-24	2024-25	2025-26
1	De-Nox System and ites auxiliaries, burner change, Damper and other auxiliaries etc. for 500 MW and above Units (DSTPS (2X500 MW), MTPS 7&8 (2X500 MW), RTPS (2X600 MW), KTPS (2X500 MW), BTPS A (1X500 MW))	85% of the total materials will be supplied in 2021-22. Remailing 50% already supplied in 2020-21				
2	De-Nox System and ites auxiliaries, burner change, Damper and other auxiliaries etc. For below 500 MW Units (MTPS 4,5,6 and CTPS 7&8)	30%	70%			