

Sr. No.	Item description	Approx quantity	Total Cost Estimate (In Lakhs)
1	0.5 m diameter 5 axis Aspheric Polisher	1 Set	750
2	1 Uf,25v, ceramic capacitor	31500	12
3	12 pin connectors (750 Nos) set with and pins	10	103
4	15 NB SS-304 BALL VALVE, SINGLE PIECE DESIGN, Class Assorted, Size Assorted, Full	1418 NOS	95
5	150CF Electro pneumatic gate valve	1	15
6	200kW RF Generator	4 unit	2000
7	25 MW peak power klystron assembly	1 Set	500
8	3/2 SOLENOID PILOT ACTUATED DIRECT- IONAL CONTROL VALVE, 3 PORT, 1/4"	127 NOS	147
9	37 ELEMENT PHWR FUEL BUNDLE PACKING	71148 NOS	26
10	3M MAKE 6200 SERIES RESPIRATORS COMPLETELY ASSEMBLED SET	1248 SET	21
11	3U and 6U Bins	200	300
12	8- core plastic Fiber Cable - 2000m	2000	14
13	ABSOLUTE ALCOHOL/ETHYL ALCOHOL/RECTIFIED SPIRIT WITH	10621 LTR	17
14	AC/TV/COMPTER/PRINTER/PAPER SHREDDING MACHINES ETC	20 EACH	28
15	Access Control System - UP Courts	1 Lot	18000
16	ACETONE CONFORMING TO IS:170	81922 KG	113
17	ACETYLENE GAS IN PARTY/NFC IS:308	3439 CUM	20
18	HYDROCHLORIC ACID	11500 MT	220
19	HYDROFLUORIC ACID	30 MT	50
20	OLEIC ACID	22 MT	36
21	SULPHURIC ACID	540 MT	73
22	ACTUATOR HOUSING	1767	242
23	TRICAPRYL AMINE	3 MT	26
24	ALUMINIUM OXIDE ENDLESS WATER PROOF CLOTH COMPACT GRAIN GRINDING BELT OF SIZE: Assorted	8514 NOS	125
25	ANALOG INPUT MODULE/DIGITAL OUTPUT MODULE	12 EACH	17
26	ANGLES M.S - IS:2062/IS:226 ISA SIZE: ASSORTED	1117 MT	870
27	Angular Contact Ball Bearing 30x10x18 (SKF-2 X 7200 CG)	1660	40
28	ANHYDROUS AMMONIA IN CYLINDERS	215604 KG	291
29	ANTI-STATIC POLYTHENE BAGS Assorted Size	105769 NOS	41
30	ARGON GAS PRESSURE REGULATOR WITH INLET:250KG/SQ CM,OUTLET:10KG/SQ CM	386 NOS	13
31	Assorted Size SS304 BALL VALVE 2-PIECE DESIGN CLASS 150LB	930 NOS	59
32	Atomic Absorption Spectrometer	1	70
33	AUTO SAMPLER PIPE LINE END	2 EACH	17
34	Back Up system hardware	1 Lot	415
35	BAG JUMBO HDPE/PP	750000 EACH	551
36	BAGS HDP LAMINATED 200 GAUGE Assorted	408910 NOS	112
37	BAGS LAY FLAT POLYTHENE Size : Assorted	435654 NOS	76
38	BAGS POLYTHENE size Assorted	27977 NOS	18
39	Ball Joint Housing (SBJ)	2965	29
40	BALL VALVE 1/4" 10KG/CM2 PRESSURE RATING, MADE UP	2327	76

41	BARIUM CHLORIDE	75 MT	60
42	BBO crystal module for Spontaneous down conversion	2 Sets	30
43	BEARING SINGLE and DOUBLE ROW DEEP GROOVE BEARING ASSORTED SIZE AND TYPE	789 NOS	17
44	BEARING SINGLE ROW DEEP GROOVE ASSORTED TYPES and SIZES	1661 NOS	28
45	BEARINGS	500 EACH	28
46	BELT CONVEYOR/BE AND ACCESSORIES/SPARES	4000 MTR	110
47	BELT ENDLESS GRINDING Al.OXD, Assorted Size	40088 NOS	21
48	BLADE POWER HACKSAW HSS SIZE : ASSORTED	55596 NOS	42
49	BOLT ALLEN M SIZE: ASSORTED	36940	38
50	BOOK DUPLICATE OF SIZE 210 MM L X 190 MM	734 NOS	307
51	Bracket Casting 180x104x62(DBJ) assorted	4210	407
52	Brushless Stepper Motor HD4250	2032	514
53	Bulk unpolarized and polarization optics, Nonlinear crystals, Acousto optic modulators with controllers for fiber laser, miscellaneous opto-mechanical components	Lot	120
54	CABLE CU/AL	11500 MTR	127
55	Cable junction boxes	1 lot	170
56	Cable loom and audio interface box material for SSCVR MRU-240	4	16
57	CABLE TRAY	206 EACH	506
58	CABLE WELDING 600 AMPS (copper)	1628 MTR	17
59	CALCINED PETROLEUM COKE (CPC) POWDER -325	365 MT	691
60	Calibration and Measurement equipment, signal generator, 3D printer	1set	47
61	Calibration lab equipments	1 lot	100
62	Calibration unit, characterization setup for photodetectors	1 Set	50
63	CAMERA PTZ /IP CAMERA/AI SMART CAMERA	30 EACH	11
64	CARBIDE INSERTS (TITINIUM COATED) DNMG 150608 TN2000 OR ITS	2541 NOS	15
65	Carbon alloy steel SEAMLESS pipe schedule 30, 40 & 80, Assorted Class	8395 MTR	165
66	CAST IRON PAD (DISC) MACHINED OD and ID Assorted	29543 NOS	413
67	CAUSTIC SODA FLAKES COMML.(RAYON GRADE=IS-252 HDP)	11696	3098
68	CCTV Cameras	250 Nos	580
69	CCTV Software Solutions	2 Lot	25
70	Cerium oxide polishing compound, Aluminum oxide polishing compound and other electropolishing consumables	Lot	90
71	CF4, SF6, Helium gas cylinders	50	100
72	CLAMP ASSORTED SIZE	5876	165
73	COAL	22500 MT	1599
74	COBALT POWDER & CHUNKS	1630 Kgs	66
75	COLLOIDAL GRAPHITE SUSPENSION	1800 KG	204
76	COMMERCIAL GRADE ARGON GAS 99.99% PURITY	190619 CUM	854
77	COMMERCIAL GRADE ARGON GAS 99.99% PURITY IN PART'S Departmental CYLINDERS	40253 CUM	121
78	Complete conveyor with its PLC control, process control software, product tracking software, sensors	1 Set	500
79	Computer monitors	3	28

80	Control Panels & JB's	1 Lot	186
81	Control valves for water line - 10 Nos.	10	45
82	COPPER CABLE, FLEXIBLE, SINGLE CORE MULTISTRAND, PVC SHEATHED Size: Assorted	13274 MTR	22
83	COPPER SHEET 1100MM X 850MM X 1MM THK	8894 KG	166
84	COTTON HOSIERY RAGS	53170 KG	77
85	COTTON YARN WASTE	31127 KG	20
86	Cryocooler (GM type - 2 stage)	1	25
87	Current Sensor	8	24
88	Data Acquisition System, Power supply	1	120
89	DC Disconnecter	5	50
90	DETERGENT POWDER	16485 KG	13
91	DG SET	3 EACH	22
92	DG Set and UPS, Facility management system	2	102
93	DI plant, High temp. vacuum furnace, High temp. substrate rotation, Chillers, Vibration isolation tables, vacuum pumps, ultra-sonic / mega sonic cleaning, Valves, Laboratory glassware washer, etc	1 Set	75
94	Diagnostic neutral beam ACCC	2 SET	1000
95	DIAMOND DRESSER SINGLE POINT 3.5 CARAT Size : Assorted	1083 NOS	29
96	DIFFUSION PUMP OIL	3888 KG	1934
97	Digital BPM processing electronics	Lot	300
98	Digital CCD Cameras	10 Nos	25
99	Digital microscope with image processing software	1 Set	50
100	DIGITAL PANEL METER/PID CNTLR	40 EACH	17
101	DILUTE NITRIC ACID IN THE CONCENTRATION RANGE OF 58-60%	23307 MT	14367
102	DISPOSABLE RESPIRATORS (DUST/MIST) BIRLA 3M 8710 OR EQUIVALENT	36796 NOS	21
103	Double pulse laser system for LIBS	1 Set	55
104	DRILL BIT, HSS TAPER SHANK TWIST DRILL, SIZE: Assorted	7498	58
105	DRUM G.I WITH LID & TOP RING 120/200/205/210 LTRS CAPACITY	1760 NOS	85
106	Drum Motor	30 Nos.	20
107	Dry ice optics cleaning station	1 Set	150
108	DRY NITROGEN GAS as per IS:1747	247710 CUM	147
109	DUV Optics Cleaner	1 Set	155
110	Echelle Spectrometer with ICCD	1 Set	125
111	Electrical consumables, Platinum wire, and strip	1 Set	80
112	ELECTRODE CUTTING assorted dia and length	18694 KG	62
113	ELECTRONIC & MECHANICAL ITEMS for SSCVR MRU-240	4	38
114	EMC Compatible cubicle	9	54
115	ENDLESS GRINDING BELT SIC RIC W/P . Assorted Type and Size	84009 NOS	160
116	Energy Storage capacitors	80 Nos	50
117	Erection hardware	1 Lot	153

118	Facility infrastructure (Electron beam processing plant, accelerator vault, linac tuning and assembly facility, facility washing system, Preliminary fire-fighting system, Fire Alarm System, Material lifts, Truck docking station, Embedded pieces, Air conditioners), air handling and ozone removal	1 Set	1400
119	FELT PLUG (PURE WOOL) OF SIZE: Assorted	20836 KG	252
120	Field Instruments	1500	1100
121	FILLER WIRE SS, AWS-A5.9, ER-308 Assorted size in MM DIA X STD LENGTH	1843 KG	20
122	FLOW METER ELECTRO MAGNETIC	4 EACH	11
123	FLUIDIZING AIR NOZZLE FOR FBD-100	450 EACH	11
124	FO cable (2000 meters)	8	43
125	Fumed nano-silica suspension	Lot	35
126	Function generators and Signal generator	2 Nos	20
127	FURNACE OIL	9803 EACH	7901
128	FUSED ALUMINIUM OXIDE SAND GRIT-46 (BROWN FUSED ALUMINA) FOR SAND	114345 KG	163
129	G.I. BARRELS 120 LITRES CAPACITY MADE OUT OF 18 GAUGE GI SHEET AS	2922 NOS	148
130	G.I. PIPE CONFORMING TO IS-1239 Size : Assorted	7123 MTR	42
131	Gamma radiation source with activity of 2000-5000 Ci	1 Set	50
132	GAS AMMONIA /DA/OXY/LPG/ARGON ETC	2000 CUM	39
133	Gate Valve	1	25
134	General purpose Lithium soap based Grease with drop point of Minimum	6353 KG	14
135	GI/FRP GRATINGS	500 SQMTR	20
136	GLOVES ASBESTOS Size : Assorted, Style and Grade : Assorted	497986	209
137	GNSS Reciever module	1	17
138	Graphite electrodes, Methane	200	36
139	GREASE	3 MT	33
140	GRINDING BELT ENDLESS AL.OXIDE R/R NWP, Assorted Size	85761 NOS	54
141	GRINDING WHEEL AL.OXIDE 200MM OD and BORE assorted	369	30
142	GUN METAL NON-RETURN VALVE SCREWED ENDS SIZE:Assorted	358 NOS	16
143	GUN METAL ROD : Assorted Dimensions	1651 KG	16
144	HARD DRAWN SEAMLESS COPPER TUBES, GRADE and Size assorted	150110 KG	2355
145	HDPE PIPES	7000 MTR	99
146	HDPE/MSPU BENDS/TEES/SHORT PIECES ETC	120 EACH	44
147	HEAVY DUTY INDUSTRIAL CLEANER/ DEGREASER	10000 LTR	127
148	HELICAL GEARED MOTOR	35 EACH	46
149	HELIUM GAS	57569 CUM	3015
150	Helium Leak Detector	1 Set	20
151	High current power supply	2	60
152	High Magnetic field impedance measurement set up	1 Setq	250
153	High power laser diode bar (CW), QCW & fiber coupled laser diodes, LD arrays/stacks, seed laser diodes (CW & pulsed)	Lot	175
154	High purity Argon Gas UHP Grade/Grade I of 99.9993%	23939	94
155	HYDROGEN GAS	80533 CUM	154
156	High purity Magnesium ingots of grade I quality	800 MT	6483

157	HIGH SPEED DIESEL OIL	1760 KL	2050
158	High Temperature Superconducting wires and associated consumables	1	327
159	High voltage Probe	8	48
160	High Voltage Relay	2	22
161	HOSE PVC	4500 MTR	11
162	Hot Isostatic Pressing System	1 Set	1200
163	HRC FUSE, NS TYPE, 415V 3PH, 50HZ, 16 AMPS	2090 NOS	11
164	HRXRD system	1 Set	500
165	HSS M6 GRADE TWIST DRILL TAPER SHANK AS PER IS 5099, DIA 10MM,	307	33
166	HV Deck	1	350
167	HV transformers and Inductors	25 sets	25
168	HYDRAULIC HOSES	50 EACH	22
169	HYDRAULIC MOTOR/PUMP/WINCHES AND SPARES	2 EACH	232
170	HYDRAULIC/GEAR OIL	1800 LTR	22
171	HYDROFLORIC ACID 48%+/-2% AR/GR GRADE	1874 LTR	12
172	Hydrogen Furnace	1 Set	200
173	ICCC Software Solutions	1 Lot	100
174	INCONEL 600 HOT ROLLED SHEETS SIZE: 1500 MM X 1000 MM X 8 MM, 2500 MM X 1000 MM X 3 MM	394 NOS	14
175	Instrumentation: sensors with signal conditioner	2 sets	40
176	Integrated diffuse reflectance and sphere and its auxiliary components setup	1 Set	110
177	Ion beam Figuring system (0.5 m)	1 Set	1080
178	Isolators & Trip Units, Panel Instruments	100	150
179	JUNCTION BOX/FUSE/MCB CABLE GLAND/CONTACTOR ETC	500 EACH	28
180	KEROSENE SUPERIOR QUALITY -	222202 L	242
181	L.P.GAS INDUSTRIAL	203 MT	272
182	Laser diode driver (CW) & with temperature controller, AO/EO Q-switch driver	1 Set	45
183	Laser Trackers	1 Set	220
184	Lasers (Raman Spectroscopy)	2 Set	50
185	Lasers for ROFDTS and DAS	2 Set	30
186	MAINTENANCE FREE BATTERIES OF ASSORTED RATINGS	541	40
187	Lead Screw dia 15 x 123 lg (DBJ)	830	25
188	LED PANEL/FAN/S/EXHAUST FANS/SWITCHES ETC	500 EACH	17
189	LID FOR 120LTR GI DRUM	2541 NOS	20
190	LIME/SULPHURIC ACID/HYD PEROXIDE/MAGNESIUM SULPHATE	5 MT	28
191	LIQUID CHLORINE IS:646	3081 MT	1044
192	LIQUID HAND WASH CONFORMING TO IS 4199:2001	7235 LTR	24
193	Liquid Jet polishing Machine (0.5 m)	1 Set	185
194	LIQUID NITROGEN HIGH PURITY	222 MT	55
195	Liquid Scintillator Detectors, diamond detectors, plastic scintillators, and neutron imaging camera, Pyrometer	1 Set	205
196	Local control Panels	75	375
197	Lock Nut dia 31x5 thk(DBJ)	3350	13
198	M. S SHEET as per IS:2062 Size : Assorted	14612 KG	15
199	M.S. CHANNEL SIZE : Assorted	83 MT	75

200	M.S.HEX.HEAD BOLTS & NUTS & WASHERS Assorted Size and Type	10842 KG	16
201	MAGNESIUM SULPHATE XL	100 MT	28
202	MAGNETIC ENCODER, AS5045ASST / ASSU	2400	28
203	Main frame Assembly	20 no. SVXBIS +5 no. DVXBIS	102
204	MASS FLOW METER	4 EACH	88
205	MCC PANEL	15 EACH	66
206	Measurement Links	5	15
207	Mechanical Parts (Enclosure for Encryptors, Fillgun, Remode Radio Head (RRH), Base Band Processor (BBU) etc)	1000	1000
208	Mechanical sub-systems, reactors, Power supplies, automation & control, air preheater, gas cleaning system for plasma-assisted coal burner	1 Set	143
209	Mechtex Gear Box Assembly	860	115
210	MEDICINES AS REQUIRED	586 ITEMS	44
211	METALLIC (MS) PACKING BOX	1906 NOS	559
212	MICRO WEIGHING BALANCE/LOAD CELL CAP	20 EACH	11
213	MICROSCOPE/ LAB EQUIPMENTS	2 EACH	12
214	Microscopy Cryostat with magnetic-field dependent Raman scattering	1 set	300
215	Microwave generator and transmission system	1	55
216	MINIATURE CIRCUIT BREAKER Poles and Current Rating : Assorted	850	49
217	Mosiac Panels	20	15
218	MOTOR HOUSING	107	115
219	MOTOR INDUCTION/VFD	60 EACH	132
220	Motor Protection Circuit Breaker with Short Circuit and Overload	143 NOS	78
221	MOULDED CASE CIRCUIT BREAKER TH. RELEASE RANGE: 460 - 630A	27 NOS	10
222	MS DRUMS 200 LTS NOMINAL	1870 NOS	93
223	MS ERW PIPE IS 1239, SIZE:Assorted	5115 MTR	61
224	MS/CS/SS PIPES	200 MTR	26
225	Nano positioner (XY manipulator)	1 Set	40
226	Network Infrastructure	92 Set	588
227	Network Passive Components including Cat6, FO cables, GI conduits etc for main & backup	1 Lot	283
228	Network Switches	1 Lot	575
229	NIOBIUM METAL INGOTS OF PURITY,99.6%(MINIMUM)	8 MT	1349
230	NITRIC ACID 70 % +/-2% AR/GR	4479 LTR	15
231	NITRIC ACID	350 MT	237
232	NON-ASBESTOS SHEET AND ACESSORIES	800 EACH	20
233	OFC Cables, Passive Network components	Lot	25
234	OIL - SERVOCUT SUPER/MAK SHEROL B/ HP KOOLKUT 40.	10037 LTR	19
235	ON LOAD TAP CHANGER V TYPE	1 SET	30.87

236	Optical Fibre Temperature Sensor, SKY 2000-NO meter, SKY 2000-O3 meter, UV Measurement meter, Leakage current measurement, Spectrophotometer	1 Set	90
237	Opto-mechanical mounts	50 Nos	200
238	OXALIC ACID	550 MT	429.975
239	PADS NYLON 280MM L X 50MM W X 20MM T	1588 NOS	16.54607883
240	PAPER TISSUE ROLL	39074 ROLL	22.86277475
241	Passive Cabling and Assemblies	1 Lot	200
242	PCB Assembly	1600	10.77
243	PERMACEL P-600 SELF ADHESIVE MASKING TAPE Size Assorted	9714 ROLL	49
244	PETROFFIN	10 MT	28.665
245	PETROL	191 LTR	109.6309164
246	Plasma Jet and design and drawing software, High Vacuum pumping system ( TMP and Rotary) for coating, RF power Supply, DC power supplies	1 Set	95
247	Plasma-enhanced chemical vapor deposition (PECVD) system	1 Set	500
248	PLATE CHEQUERED M.S AS PER IS:2062 SIZE: Assorted	39 MT	39
249	PLC Systems	1 lot	200
250	PONTOON FLOAT LINE	10 EACH	27.5625
251	Portable XRD based Stress measurement system for tubes/joints (ID Stress measurements) FF	1 Set	250
252	POWDER STARCH COMMML.(MAIZE STARCH POWDER IS:1184	110534 KG	76.26730337
253	Power Module (AC to DC converter, DC-DC Conveter)	500	500
254	POWER MOSFETS, IRFB 3006 PBF	5280	14.1504
255	Pressure cell for MPMS-3 SQUID VSM (Quantum Design)	1 set	20
256	PRINTING & SUPPLY OF ENVELOPE Various Sizes	14295 NOS	154.1
257	Processing electronics of Bunch By Bunch feedback system	Lot	150
258	PROFILE INSERTS FOR ELEMENT M/C ING DRG D-5203/3-M-001	8258 NOS	73.46023654
259	PROGRAMMABLE INDICATOR	30 EACH	9.9225
260	PULLEYS	200 EACH	22.05
261	RAID Storage Systems	2 Nos	30
262	Raw materials (austenitic stainless steel/ aluminum , carbon steel knife edge flanges/ blanks, copper) etc.	Lot	100
263	Receivers, Direction Finders etc., for DDP Upgradation	10	5000
264	REGISTER BOOKS - 500 PAGES PER BOOK	232 NOS	30.9
265	REINOL SAFETY SKIN CARE PASTE IN 400 GMS PACKET	5180 KG	17.63247689
266	REPLACEABLE TWIN HEPA FILTER CATRIDGE (N 7500 - 8 - P3)	381 NOS	19.85529459
267	Residual Gas Analyser	1 Set	30
268	RF (Radio frequency) lines - 600m	600	42
269	RF Connectors - 200 nos	200	80
270	RF Generators with matching network	1	250

271	RF micro-prober station	1 Set	50
272	RING GEAR	107	18.08835
273	RODS NYLON DIA : Assorted	2402 NOS	10.2
274	RS 485/422 TRANSCEIVER, MAX 3464 ESA	1600	14.928
275	RUBBER HOSES	400 MTR	33.075
276	Rugged ethernet switch, WORKSTATION	3	149.49
277	Rugged router configuration 1,2 and 3	3	168.03
278	RWMA CLASS -12 SPECIAL COPPER ALLOY 25mmX25mmX50mm (+/- 0.3 MM)	953 NOS	270.6872091
279	SAFETY SHOE/GLOVES/GOGGLES ETC	1000 EACH	27.5625
280	Sample and plasma characterization tools for APGDP	1 Set	90
281	SCADA software	1 lot	50
282	SCREW CONVEYOR AND SPARES	5 EACH	11.025
283	SCU Bins	7	210
284	SECTOR GEAR	107	21.53375
285	Servers for ICCC and CCTV Systems requirement	4 Lot	80
286	SHEET POLYTHENE 400 GAUGE 1000 MM	1239 ROLL	26.46802104
287	SHEET S.S 304 - ANNEALED & PICKLED SIZE: 1.6MM THK X1250MM X 2500MM	3812 KG	14.05754857
288	SHEET SS 304L, ASTM-A-240 Size : Assorted	30667 KG	162.3
289	SHEET SS ASTM 304 SIZE: ASSORTED	43 NOS	20.68932727
290	SHIELD FACE PLASTIC. AS PER IS 8521(PART-1) OF 1977	2161 NOS	10.3322982
291	SIC RIC ROLLS - FOR POLISHING Size : Assorted	765 NOS	51.82
292	SILICON CARBIDE COMPACT GRAIN ENDLESS WATER PROOF GRINDING Assorted Type	13722 NOS	20.9
293	SILICON CARBIDE ENDLESS WATER PROOF CLOTH CORK AGGLOMERATED GRINDING BELT OF SIZE: 150(W)X3500(L)X 400 GRIT	2033 NOS	23.27513524
294	Silicon carbide water proof papers, assorted grit size, assorted dia.	51715 NOS	39.6
295	Silicone Rubber sheet Size:Length- 1000 mm	318 NOS	13
296	SLEEVE POLYTHENE, LAY FLAT Assorted Size and GAUGE	8895 KG	20
297	SLURRY/WATER PUMPS AND SPARES	40 EACH	441
298	Small vacuum furnace for brazing	2 Set	100
299	SNSPD (superconducting nanowire single-photon detector)	1 Set	350
300	SODA ASH	1070 MT	562.275
301	SODIUM CARBONATE (SODA ASH LIGHT) COMM. IS:251/1998 TAPS	1636 MT	1323.35638
302	SODIUM CHLORIDE (COMMON SALT)	50 MT	9.9225
303	SODIUM SULPHIDE 56%	80 MT	61.74
304	Soft X-ray emission Spectrometer	1 Set	450
305	Sp Nut casting dia 40 x 99 lg(DBJ) ASSORTED	3320	120.41
306	Spectrograph with cooled CCD	1 Set	50
307	Spectrometers and camera	1set	60
308	Spin photonic measurement system	1 Set	400



309	Strain Gauges, Electromagnets fabrication, Magnet power supply	1	122
310	STRUCTURAL STEEL/ HR SHEET TOR ROD	400 MT	308.7
311	Supercapacitor fabrication & testing system	1 Set	20
312	SUPPLY OF 4 MM DIAMETER E 317L ELECTRODES AS PER THE SPECIFICATION	3812 KG	66.87748571
313	SUPPLY OF ANHYDROUS AMMONIA IN TANKERS	3427 MT	2270.111867
314	SUPPLY OF TECHNICAL GRADE PHOSPHORIC ACID	44468 KG	173.9361311
315	SURGICAL HAND GLOVES SIZE: Assorted	235391 PAIR	41.3
316	Synchrotron beamline optics Test bench	1 Set	200
317	Table-top XRF system	1 Set	50
318	TAPE MEASURING IN MM AND INCH MS - AUTO WINDING , 2MTR LG	51281 NOS	34.3244899
319	TAPS HAND GROUND METRIC COARSE SIZE: ASSORTED	2679 SET	78.2
320	TEFLON ROD Size : Assorted	2923 NOS	53.4
321	Teflon Sheet Size: Assorted	702 NOS	44.3
322	THERMOCOLE (EPS) FOR PACKING OF 37 ELEMENT PHWR FUEL BUNDLES AS PER	2795 SET	100.2098424
323	THERMOCOLE SHEETS HAVING NORMAL DENSITY 14 KG/CUM IN NORMAL GRADE SIZE:250 MM X 1500 MM X 10 MM,THICK.	1398 NOS	14.56054937
324	Thermoluminescence and OSL set up	1 Set	50
325	THINNER GENERAL PURPOSE and other assorted types	8990 LTR	19.4
326	TIN CLAMPING CLIPS FOR 19/20MM STEEL STRAP, 40MM LG X 20MM WD	12705 KG	38.73635607
327	Tin laps	Lot	35
328	TMP, Gate Valves, Gauges Mass flow meter, Vacuum chamber, Fabrication of mechanical systems (entire set)	1 Set	138
329	TOOL BIT HSS FLAT WITH 8% COBALT All Sizes	1535 NOS	23.5
330	TRANSFORMER / CONTROL TRANSFORMER	50 EACH	77.175
331	Transistors Mosfets and IC Chips - Various Types	4173 Nos	44.86
332	Transmission Line	1 unit	3000
333	Transmitter racks	30	60
334	Tri chloro ethylene,Type II,as per IS 245	64 MT	197.5866549
335	TRI SODIUM PHOSPHATE COMMERCIAL (ASSORTED GRADE)	1799 MT	1119
336	TRICHLORO ETHYLENE COMMERCIAL	348 MT	977.9892772
337	TRI-N-BUTYL PHOSPHATE	5 MT	88.2
338	Tube light, high baylight fittings	229 NOS	20.6
339	Tuner for HB650 Cavity	1 Set	180
340	Turbo molecular pump	1	15
341	Ultrasonic peening system and accessories	1 Set	50
342	VALVES	50 EACH	22.05
343	VALVES GATE G.M. SCREWED ENDS size : Assorted	693 NOS	20.5
344	V-BELTS	2000 EACH	27.5625
345	Vehicle Mounted Jammer	50	18000
346	V-GROOVE PROFILE INSERT FOR TUBE MACHINING.	5717 NOS	92.05741878
347	VIBRATORY FEEDER AND ACCESSORIES	5 EACH	11.025

348	Vision based CMM and submicron CMM)	1 Set	300
349	VSAT SPARES(ANUNET)	LOT	10.58
350	WHEEL CUT OFF Al.OXIDE ABRASIVE Assorted Size	11819 NOS	95.7
351	WHYTHEAT A	7 MT	11.025
352	Xenon lamp based optical floating zone	1 Set	750
353	X-Ray Detector Assembly	30 Sets	82.5
354	X-ray Generator Mechanical assembly	30 nos.	16.5
355	X-ray Monochromator system	1 Set	350
356	X-Ray Tube	30 nos.	39.6
357	Zerodur blanks, Fused Silica blanks, Silicon substrates	Lot	750
358	ZIRCONIUM	30 Kgs	11.025
359	ZIRCONIUM WASHED AND DRIED FRIT	3300 MT	5444.510876
360	Heat Exchanger for Boil blow down	2 Nos.	30
361	Relacement of KAPS-1 415V Class-IV switchgear	1	400
362	KAPS-2 6.6KV Class-III switchgear.	1	600
363	DG SACO Alarm and Speed Monitoring	1	100
364	WAN system upgradation	2 lot	140
365	H2 purity meter	1 nos	20
366	Controllers / alternate CBS system	2 lot	600
367	RRS CBS based system	2 lot	600
368	ERM	1 lot	120
369	Ion chamber and inaccessible area radiation monitor	2 lot	160
370	FM pump discharge accumulator	2 no.	19.35
371	Viewing window gasket	2 Set	20.94
372	Spent fuel trays	500 no.	90
373	Viewing window	1 set	400
374	1" SS Bellow seal valve	2 No.	16
375	Relief valve for FM pump discharge line	2 No.	40
376	LED Lightings	5000	25
377	100 KW Solar plant	1	50
378	O-Rings / Seals	as required	50
379	Spent fuel bundle storage trays	800 no.	1200
380	Seal Kit for High Pressure D2O MV/Ds	50 set	50
381	Transmitters, CCTV setup, CBS panel, Relay panel devices, SD card and MSL panel, Control cable for catenary and Machines, Computers for FHS system and Potentiometers	as required	120
382	Primary system (PHT / Moderator / RCM & Rx components) equipment spares & consumables	as required	125
383	Scondary system (Condenser & Feed water system) equipment spares & revenue items	as required	75
384	Plant light water system (PTP, DM plant, PWPH. SRPH, IDCT / NDCT) & common servicev system (EDG / Dompessor / Chiller) equipment spares & consumables)	as required	50
385	Maintenance service contracts	as required	500
386	ECCS Rupture disc element	2	75
387	ECCS pump mechanical seal spares	2 set	20
388	Spare for Turbine- HP & LP module	1 lot	50
389	Switchjgear system upgradation	1 Set	5000

390	PROCUREMENT OF 415 V SWGR SPARES,415V MCC SPARES, 6.6 KV SWGR SPARES, AUX. TRANSFORMER SPARES,EMTR SYSTEM SPARES	1 Set	90
391	UPGRADATION OF ELEVATORS	1 Set	80
392	EHS BUDGET LIKE LIGHTING / AC	1 Set	20
393	SPARES , CONSUMABLES AND MISCELLANEOUS ITEMS, FOR ELECTRICAL EQUIPMENTS IN KGS-1&2	1 Set	250
394	EMCCR upgradations (SR PLC , Beetle monitoring, Logic relay Panel,Post LOCA neutron monitoring system	4 lots	821.14
395	CMU- Spare	1 lot	40
396	Reflux Cooler	1 Nos.	250
397	Mechanical Seals for Pumps	6 Set	80
398	Hydrogen Coolers	4 Nos.	80
399	Canned Motor Pump	6 Nos.	1200
400	Spares for pumps, compressors, engines, motor and valves	1 set	60
401	Pipe and Pipe fittings of Carbon Steel & Stainless Steel Pipe	1 Set	55
402	Hydraulic Snubbers	120 nos.	2906
403	FT system spares , suitable bearing, oil seal , spacer , gear box etc.	4 Sets	20
404	Spares of FM supply Pumps	5 Sets	40
405	Spare Control Power supply units	10 no.	10
406	spare process controllers	10 no.	25
407	spare potentiometer assemblies	20 no.	15
408	spare Proximity Switches	50 no.	10
409	spare process transmitters	10 no.	20
410	Control Valves assembly	3 sets	40
411	Seals & elastomers	1sets.	15
412	4-Way Heavy Duty Control Valve(Barksdale MVD etc )	15 Sets	20
413	Ram assembly spare like matched gear ,shaft , tube,sapcer etc	4 SETS	50
414	FM supply circuit 3525 RV Spare	3 sets	15
415	X Drive & Y Fine Coupling, Pump coupling spare	2 set	40
416	Ram B Ball screw and ball nut assembly	6 SETS	180
417	Latch Ball screw and ball nut assembly	5 Sets	56
418	Cationic Ion chromatograph	1 No	100
419	Instruments spares	1 Set	10
420	Oil In water	2 Nos	10
421	Chemicals and reagent	1 Lot	10
422	LiOH	100 Kg	15
423	DG Flywheel Ring gear	2 nos.	11
424	PUMP PULLOUT ASSEMBLY (SDP)	1 no.	23.6
425	Vibration meter	10 nos.	10
426	Procurement of Filter & Strainers	5 Sets	20
427	Procurement of Spares of M/s KSB make FM supply Pumps	5 Sets	40
428	Spare Control Power supply units	10 nos.	10
429	spare process controllers	10 nos.	25
430	spare potentiometer assemblies	20 nos.	15
431	spare Proximity Switches	50 nos.	10
432	220 KV spring charge circuit breakers	2 nos.	70
433	167 MVA, 400 KV/220 KV ICT	1 nos.	130

434	Portal Monitor Spares, M/s V F a.sCzech Republic	1 lot	112.02407
435	ACS Servers with software & its Accessories	1 set	62.57628
436	Pressure Calibrators	3 nos.	15
437	Fittings of assorted sizes	1 lot	135.68652
438	Gas Chromatograph	1 no.	40
439	Relief valves ( high pressure)	3	300
440	Pressure Transmitters	10	30
441	Pressure switches	30	15
442	Bellow sealed valves	4	20
443	Magazine seal cartridge type	4	20
444	FM supply pump (reciprocating pump) spares	1	10
445	Transfer arm Gear box	1	10
446	High pressure solenoid valve	25	300
447	Analytical Instruments for Laboratory	4 Nos	10
448	Resins for DM plant – 2 <sup>nd</sup> batch	12000 ltrs	30
449	Resins for CPUs – 2 <sup>nd</sup> batch	10000 ltrs	35
450	Laboratory chemicals	As per requirement	10
451	PCs servers	50	80
452	Printers/scanners	10	20
453	Network/Communication devices	20	40
454	DNM tubing replacement	1 lot	300
455	RRS CBS based system	1 lot	300
456	PAINTING OF main control panel ECIL	1lot	50
457	CTM upgrades	as required	519
458	High range Beta Gamma radiation survey meter(Teletector)	5 Nos	40
459	Nal (TI) scintillation detector based low range gamma radiation survey meter	2 Nos.	12
460	Medium Range Gamma radiation survey meter	2 Nos.	10
461	Electronic TLD cabinet modules suitable for 180 TLDs, ID card + Fingerprint based user identification 4 hr battery backed power supply- Size: 820W x 810H x 130mm D (2 Nos.)	1 Nos.	18
462	Portable nigh range Radiation survey meter with extendable probe with range 0.1 mR/hr, to 1000 R/hr	2 Nos.	30
463	Ultrasonic flaw detector- DGS method.	2	16
464	Helium leak detector -Portable.	1	18
465	X Ray Machine	1	15
466	UGP MCC PANELS REPLACEMENT	1 lot	160
467	6.6kV SWITCH GEAR	2 sets	2000
468	SOLAR PANEL	1 lot	145
469	Retrofitting of 415V SWITCH GEAR	2 sets	780
470	Replacment of 5KVS SCR UPS-1&2	2 sets	40
471	3-PHASE LT MOTORS	10 lots	75
472	CI-III and CI-II Numerical relay replacement	2 lots	140
473	Generator NGT replacement,Generator PT & LA replacement,Generator differential CT replacement	4 lots	70
474	Electrical cables	as required	180
475	SD cooling pump motor	as required	11
476	Portable Fire Extinguishers	200	10
477	Fire Tender	1	100

478	Pressurizing pump seal, S/D Hx seal and PCP secondary seal	4 Nos.	20
479	Gland Filter for PPP and FHU system	60	12
480	Thermosyphon Hx	2	10
481	Spare for pump house CCWP and EPSWP	as required	100
482	HP heater 5 and 6	2	840
483	Ventilation system RB coolers	as required	36
484	Moderator HX	2	3012
485	LP heaters	as required	315
486	Upgradation of sea water system equipment	as required	1775
487	Turbine blades	as required	1206
488	CO2 fire fighting system for DG, MOT, TOT system for Unit-2	1 Set	100
489	Steam Generator pressure control system (BPC speeder gear servo control unit)	1 Set	150
490	D2O to H2O Leak detection system for Unit-1	1 Set	150
491	D2O to H2O Leak detection system for Unit-2	1 Set	160
492	6.6 KV switchgear for NAPS-1	1 set	1020
493	Accumulator Spares	50 Nos.	50
494	Linear Variable Differential Transformer	20 Nos.	21
495	Spent fuel trays	500 no.	90
496	Separators assembly spares	10 set	28
497	Potentiometers	20 No.	50
498	Ram assembly Ram-B ball screw	6	147
499	Water Lubricated Bearing	30 Nos.	80
500	O rings	1000 Nos.	40
501	F/M Pump Spares	12 Nos.	50
502	Procurement of Main air compressor	06 Nos.	600
503	Procurement of Main DG	06 Nos.	5000
504	Hydraulic snubber for steam generator	As required	2300
505	PRESSURIZING PUMP MECHANICAL SEAL	2 SET	10
506	Flowserve MECHANICAL SEAL for Douse water pump	2 SETS	3
507	SPARE PARTS OF ECCS SYETM (BALL VALVE, SEAL KIT ETC)	5 NOS	60
508	SPARE PARTS OF FEED AND BLEED VALVE OF PHT SYSTEM	4 NOS	120
509	R-type GASKET of Verious Size'	10 Each	10
510	Manufacture, Testing & Supply of CANNED MOTOR PUMP with Bearing Monitor as per enclosed Specifications.	1 NOS	20
511	SPARE PARTS OF PCP MECHANICAL SEAL (RORAT FACE, STATIONARY FACE, O-RINGS, SLEEVE, SPRINGS ETC)	4 SETS	100
512	Plate type heat exchanger	1	200
513	PIPES OF DIFFERENT SIZE	500 MT	50
514	PIPES FITTINGS OF DIFFERENT SIZE	500 NOS	30
515	SUPPLY OF SPARE PARTS FOR ALCOMAKE DG SET MODEL NO.- 251 C	01 SET	20
516	SUPPLY OF SPARE PARTS FOR DM WATER SYSTEM	LUMSUM	20
517	Spares for Moderator Pump	3 Set	300
518	Tools for Tool Crib	5 Set	25
519	Spares for R/B & S/B Unit Coolers (Filter, Bearing, Belt etc.)	30 Set	20
520	Valve diaphragms	500 Nos.	10
521	Consolidated relief valves/alternate	6	12
522	Catenaries for fuelling machine of various sizes	1	35
523	Radiation resistant camera and others	9	934

524	Amplifier PCB for LHESA make camera	5	25
525	radiation resistant CCTV camera	6	500
526	Trip unit Cards	20	10
527	3.3KV/415V 1.25 MVA Auxiliary transformers	1	20
528	Industrial grade ball bearings	lumpsum	10
529	240V 1kVA, 5 kVA UPS with battery back up for 4 hrs	6	10
530	Spares for 245kV SF6 breakers	lumpsum	10
531	Electrical grade handgloves of different voltage rating	lumpsum	10
532	Nuclear pool underwater lighting and fixtures	lumpsum	10
533	415V LT MOTORS conforming to IS-12615	lumpsum	10
534	245KV grade bus post insulators	20	10
535	LED lights of different ratings	lumpsum	10
536	Spare Parts of Under Water Radiation Monitor (spare Detector & PCBs)	2 Nos.	20
537	Spare GM detectors	50 Nos.	30
538	Spare SDARM	2 Nos.	40
539	Spare Parts of Portal Monitors	20 Nos.	50
540	Linear Power Limit Control Unit	5 Nos.	25
541	High Neutron Gain Adjustment Unit	5 Nos.	25
542	Spare parts of Liquid scintillation counter of bioassay lab	1 lot	25
543	Spare Parts of Kirlosker Chiller Machine	1 Lot	30
544	Spare Parts of X-ray Baggage Inspection Machine	1 Lot	10
545	MIM Process Controllers for Critical applications	15 Nos.	225
546	SMART Transmitter	25 Nos.	25
547	Baelly/Keltron Valve Positioner and spares	15 Nos.	30
548	Fisher PRV	100 Nos.	10
549	Fairchild E/A convertor	30 Nos.	15
550	Fisher Valve positioner (3582) spares kit	30 Nos.	15
551	Seamless SS tubes size 3/8", 1/4", 1/2" OD	4000 Mtr	120
552	MOBREY level switch assembly	50 Set	100
553	Test Instruments	5 Nos.	30
554	Ion chambers for Post LOCA neutron power monitoring	5	200
555	ICA for Post LOCA neutron power monitoring	5	100
556	Heat Exchanger for Boiler blow down	2 set	30
557	Spare for Turbine Governing system	1 set	30
558	Oil catcher for Generator	2 set	45
559	Bearing for Various equipment	as required	50
560	ANTICO Pumps & spares	1 set	10
561	Spares for Muscot make valves of Turbine feed water circuit	4 set	30
562	Spares for flowserve make mechanical seal for RDP and SDP.	4 set	40
563	Spare plate for APW plate type HX and OSU HX.	as required	100
564	Spare for relief valve ( RV) of feed water circuit and PHT circuit.	4 set	40
565	Primary pressurising pump spares	2 set	30
566	ECCS circuit rupture disc	2 set	20
567	Spare for valves	as required	25
568	Non asbestos and metallic gaskets	as required	40
569	Structural steel material like channel, beam, plate etc.	as required	25
570	Stainless steel material like pipe and fittings	as required	30
571	Welding electrodes and filler wire.	as required	25

572	CPVC pipe and fittings	as required	10
573	Fire tender truck spares	as required	10
574	Elastomers like O-ring,sheets,oilseal, cup seal etc.	as required	20
575	Flexitelic make metallic gaskets	as required	25
576	Spare control valve and NRV for turbine feed water circuit	as required	30
577	415V switchgear panel for RAPS-4	12 Nos	3000
578	Numerical relays for 6.6kV systems in RAPS-4	452 Nos	550
579	6.6kV Breaker replacement in Class-IV	47 Nos	500
580	Auxiliary relays for Switchgear panels	550 Nos	58
581	Replacement of 415V CI-II Air circuit breaker	12 Nos	100
582	RB elevators	1 Nos	68
583	AC & Coolers	as required	10
584	Operator Information Units for RAPS-4	28	143
585	Radiation monitors for installation in FM vaults, Radiation monitors for ducts, WMCF	18	35
586	SMPS Power Supply for Main Plant PLC for Unit-3	60	90
587	Smart Valve positioners for SG feed water System	8	20
588	Fire Detectors	100	10
589	3 Port Air Operated Valve.	6	35
590	Pressure Regulating valves	15	15
591	Spent fuel trays	500 no.	80.55
592	Ram assembly Latch ball screw	4 No.	20
593	Radiation shielding window	02 set	704
594	FT system Bellow seal valve actator	04 nos.	25
595	Snout plug O- ring	25 nos.	35
596	Negator spring	25 nos.	30
597	FM supply pump D2O seals	180 nos.	45
598	Ram-B/LatchMechanical seal	10 nos.	12
599	Guide sleeve tool and sleeve	04 nos.	40
600	Spares for Material handling and Ventilation system equipments	Lump sum	400
601	Bearings	20 nos.	10
602	PCP motor spares	As required	90
603	Spares for Ion exchange unit and tanks in DM plant	As required	25
604	Spares of Chemical addition pumps	As required	25
605	CHANNEL/ Rolled section ISMC: 100 X 50 mm as per IS-808 and Material as per IS:2062, Grade: E250 and Quality-BR and length 4 to 7 meter	20 Nos	14
606	CS & Alloy Steel Pipes & Pipe fittings	As required	100
607	MS ERW pipes for structural use	As required	20
608	Spares of CEP pump	As required	80
609	Control UPS	17 Nos	800
610	Inverters	8 Nos	100
611	400KV CT	45 Nos	500
612	400KV CVT	15 Nos	120
613	MAL/EAL PLC	1 Lot	300
614	Dryer PLC	1 Lot	350
615	Power supply for neutroninc instruments	1 Lot	40
616	Spares for CBS	1 Lot	40
617	Spares for radiation monitor	1 Lot	35

618	Latch Ball Screw	4 nos.	20
619	Ram-B ball Screws	2 nos	48
620	Ram Head Assembly	04 nos	20
621	NDCT IDCT Chemicals	73500 kg	110
622	Helium	2400 CMT	93
623	Ion Chromatography System (Cation)	01 No	50
624	Autotitrator	01 No	10
625	Assistance for performing the task of HPU RRSU-5&6	1 nos.	40
626	LSA procurement	Lump sum	80
627	PCB Geiger muller tubes & other spares for Teletectors	Lump sum	16
628	Portable gamma spectrometer	1No.	35
629	Neutron Electronic Personal Dosimeter (EPD)along with the reader	10No.	20
630	Portable wide rage gamma radiation survey monitor( teletector)	4No.	20
631	Medium range gamma radiation survey meter	5No.	10
632	FM Return Cooler 3525-HX-2 with QC blocks	2 Nos.	267.8
633	Lighting system spares	1 Lot	30
634	Spares for EDG sets	1 Lot	40
635	Spare auxiliarry relays & timers	1 Lot	30
636	Spare LT motor	Based on actual requirement	100
637	Spare HT motor	Based on actual requirement	300
638	Instrument Spares	as required	25
639	Radiation Survey Meter	5 nos.	25
640	Consumables (batteries, cocktails Bottles, smear papers etc.)	as Required	10
641	Macroporous Mix Bed Resin of MSAC : MWBA ratio as 30:70 in H+ & OH- Form	5000 liters	40
642	Mix Bed Resin of SAC : SBA ratio as 20:80 in H+ & OH- Form	10000 liters	50
643	Mixed Bed Resin as SAC : SBA ratio as 10:90 in Li+ & OH- Form	8000 liters	50
644	SAC Resin in Li+ Form	2000 liters	15
645	Mixed Bed Resin for DM plant as per Specification	3200 liters	35
646	Lewatit monopolous S-200 KR Resin for SGBBD IX as per Specification	38400 liters	140
647	Lewatit UP-1297 Resin for SGBBD IX as per Specification	45200 liters	250
648	Helium Gas (99.995% Purity)		400
649	Carbon dioxide Cylinders (Ultra high pure) for AGS	12000 kgs	55
650	Antiscalant, 100% Concentration in 50 Liter Cans	12500 liters	22
651	Sodium Meta Bi-Sulphate Powder, 100% Concentration in 25 Kgs Bags	25000 kgs	24
652	Caustic Soda Flakes, 100% Concentration in 25 Kgs Bags	15000 kgs	15
653	Sodium Hypochlorite Liquid, 12% Concentration in 50 Liter Cans	20000 liters	13
654	NaClO <sub>2</sub> (Sodium Chlorite) in Tankers (Chlorine di Oxide generation in ClO <sub>2</sub> Plant)	110 MT	150
655	EDTA di sodium (EDTA-2-Na) (For CIP of RO membrane), Technical grade	1200 kgs	15
656	Miscellaneous	as required	20



657	Catenaries	50	20
658	RSJ seal kit	30 set	10
659	PIC Component	25	25
660	Digital pressure gauge	20	15
661	Potentiometers	50	40
662	Go proximity Switches	20	11
663	Servo-68 oil	5000 ltr	15
664	MCA	1	50
665	Manpower Contract	as required	160
666	Chemicals	as required	10
667	MAL / AAL Inflatable Seals	30 nos.	35
668	AGS blower spares Set	4 Set	15
669	AGS bellows	4 nos.	10
670	LZCS Bellows and hardware	10 Set	20
671	PIU bellows and hardware	10 Set	20
672	Diaphragm valves of various sizes and its Spares	80 nos.	12
673	RD and RV spares for SDS 2 and LZCS	20 set	10
674	Valve Gearbox spares for ESCS and CVCS	10 nos.	10
675	Misc. Special tool for reactivity device	1 no.	10
676	MAL hardware and elastomers ( Bearings, Cam, Hinge rods and its O-rings)	10 Set	20
677	Quick opening Avs spares	6 nos.	10
678	Spares of Main air compressor motor	8 sets	100
679	Spares of instrument air supply system dryer bed and receiver tanks.	12sets	50
680	Spares of after cooler of main air compressor	8 sets	100
681	Spares for instrument air supply valves	as required	50
682	Spares for valves in chilled water, compressed air and DG lines	as required	100
683	RO Membrane	200 Nos	60
684	UF Membrane	40 Nos	30
685	Feed water spares	as required	20
686	Machine shop and tool crib spares	as required	20
687	Non active drainage system spare	2 SETS	10
688	PCP pump spares	2 Set	75
689	PCP Motor Brakes and spares	2 Set	50
690	PHT system L&T valve spares	20 Set	20
691	PHT system Gaskets	500 No.	15
692	PHT system Elastomers	1000 No.	50
693	EOT crane spares	5 Set	18
694	Procurement of pipe fittings	200 No	15
695	250 Amp Portable SMAW/TIG Invertor based Welding Machine	10Nos	30
696	MS Equal Angle as per IS 2062 Grade E250 quality BR/BO. Size 25 x 25 x 5 mm, 40 x 40 x 5 mm etc	1000Kg each	10
697	ASDV spares	1 set	40
698	Rubber sheets	1000 kg	10
699	Flange gaskets of system	1 set	10
700	RAAM, RAAM-S, AAM, AAM-S	50	100
701	Power supply spares ( NAU-P/s, 10V LPS, 90V DC clutch P/S)	10	10

702	SPND, NAU, ROPA	30	50
703	MCR CBS panel cards Spares	50	100
704	SS Fittings	700	40
705	Store consumable	500	10
706	Control Calve Spares	50	40
707	Spares for DM Plant PLC	50	45
708	Spares for Chlorination Plant PLC	10	30
709	Spares for WMP PLC	30	30
710	Spares for Profibus PLC	20	80
711	Chiller / compressors	25	40
712	Raditaion monitoring Spares	100	95
713	Helium Leak testing m/c	1 No.	32
714	LASER particle counter	1 No.	10
715	Laboratory Furniture	Requirement based	10
716	TOC Analyser	1	50
717	Pre owned instrument (MCA, Ion Chrmtograph, Gas Chrmtograph, Coulometer, pH meter, Conductivity meter, Flame photometer, Atomic Absorption Spectrophotometer, Turbidity meter, Visible spectrophotometer, Dissolved oxygen meter, G M Counting system, Fourier Transform Infra Red Spectrometer, Digital Refractometer, Ovens, Furnaces, Ultrasonic cleaner, Ultra water purification system, Refregerator, Total organic carbon analyser, Digital semi micro balance) Spare parts	Requirement based	12
718	Resin	6000 ltr.	35
719	Boron-10 Counter for startup system	1	15
720	Chilled Water System PLC	1	10
721	05 micron PRV for PHT/ASDV	100	30
722	ASDV Diaphragm	4	20
723	DG PLC upgradation	8 Nos.	1200
724	Procurement of 60kVA/120kVA UPS	12 Nos.	200
725	Procurement of 5 kVA Inverter	8 Nos.	120
726	Upgradation of Power Batteries (360V DC)	4 Nos.	1500
727	DCPS Upgradation	24 Nos.	360
728	SCADA upgration	1	500
729	Snout metallic face seals	30	42
730	Ram manipulators	8	116
731	Spent fuel storage trays	1000	480
732	Wet quarantining Plugs	10	140
733	LASER based X-Y tilt measurement system	4	50
734	LVDTs	10	12
735	FM Headmechanical seal spare items	20	24
736	Teletector	2	12
737	Electronic Personnel Dosimeters(EPD) for EMCCR	250	100
738	Very High range radiation monitor 2	as required	15
739	Spares for Liquid scintillation analyzer	15	12
740	Diaphragm valves spares for LZCS	300	20
741	HEPA charcoal filters	30	30
742	Catridge filter for WMP	100	15

743	Zeta filter	6	50
744	Welding electrodes	1000	10
745	Cutting tools, hand tools and tackles	500	10
746	Raw material for machine shop	1000	10
747	Oil and grease lubricants	1000	25
748	Bearings	500	125
749	Paints and primers	1000	20
750	Insulation material	1000	50
751	Pipes and fittings (Metalic)	1500	50
752	Pipes and fittings (Non-Metalic)	1500	50
753	Structural steel	5000	10
754	Ultrapure Carbon Dioxide gas (2 years rate / running contract)	21000 C.M.	61.8
755	Hydrazine Hydrate	3500 litre	17.2
756	On Load Tube Cleaning (OLTC) Balls (2 years rate / running contract)	350000 Nos.	35.5
757	BARCIS inspection heads for coolant channel inspection	3	65
758	Mass spectormeter Helium Leak Detector and accessories for EMCCR	2	80
759	Ultrasonic flaw detector and spares for coolant channel PSI inspection using BARCIS	1 set	50
760	Eddy current testing instrument and spares for D2O HX ECT	1 Set	40
761	Spares for robotic manipulator for ECT of horizontal D2O heat exchangers	1 set	20
762	Portable handheld Helium leak detector & accessories	2 set	20
763	Magnetic Particle Testing equipment & accessories	1 set	15
764	Waste Disposal Hopper	85Nos	30
765	Baling Drum	500Nos	18
766	Checchemicals(Polymerization)	5000Kg	12
767	Kirlosker Brothers Product water Pump spares	2 Sets	102.77
768	Membrane	2 Sets(2 x18Nos)	70.2
769	Ammonium Hydroxide	400 MT	98.704
770	Cuastic Soda Lye	320 MT	132.16
771	Nitric Acid,AR Grade	10KL	12.7
772	Sulphuric Acid	750 MT	69.03
773	EDTA Free Acid extra pure	4000 kg	10.48
774	VAT residue immobilization container	700 Nos	172.74
775	KPA Pressing system barrels	400 Nos	57.852
776	GROUP-3 TYPE-1 Capsule assembly	50 Nos	56.05
777	GROUP-3 TYPE-2 Capsule assembly	30 Nos	40.71
778	Liquid Nitrogen recycler	1	40
779	Technical Diagnostic System for Reactor Coolant pump	2Nos	200
780	Express Integrated Leak Cate Measurement system for reactor Containment	2Nos	150
781	UFC door limit switches + Skip transfer trolley limit switches	50Nos	10
782	CMU store consumables	10Nos	15
783	Computer consumable for CMU stores	10Nos	20
784	Corrosion monitoring system - DMM, PXI chasis, switch	2Nos	20
785	Reed switches	50Nos	10
786	Procurement of Desktop Computers	200	130

787	Procurement of Laptop Computers	10	12
788	Procurement of Desktop Monitors	100	10
789	Procurement of Mono MFP	120	48
790	Procurement of colour MFP	40	20
791	Procurement of Printer consumables-Cartridge	1000	50
792	Procurement of Printer consumables-ink bottles	500	25
793	Procurement of Printer consumables-ITB	100	50
794	Procurement of Printer consumables-FUSER KIT	100	50
795	Procurement of Network Switches	100	300
796	Procurement of next generation Firewall solutions	3	225
797	Procurement of COTS softwares	100	50
798	Procurement of OFC Cable	10000	20
799	Procurement of Cat 6/Cat 6a / Cat 7 UTP cable	8000	40
800	Procurement of OFC Patch Panel	40	20
801	Procurement of Cat 6/Cat 6a / Cat 7 Patch Panel	40	20
802	Procurement of fiber Patch Cords	400	10
803	Procurement of Network racks	40	12
804	Procurement of Server hardware	4	80
805	Procurement of Operating system licenses	8	160
806	NTC chairs	200	24
807	Trailer fire pump	1	20
808	Fire Extinguishers	1000	50
809	Paper copier in super white colour of 75GSM. A4 size. Ream of 500 Sheets in mills original packing	7558	21.865
810	Seismically qualified LED light fittings	5000	200
811	Clamps for 400KV & 230KV lines.	100	10
812	400kV spare Lightning Arrestors	6	24
813	GI stips	5000 Mtr	10
814	Copper strips	2500 Mts	37.5
815	Cation resin for KBH & KBE system	2500 litres	35
816	Anion resin for KBH & KBE system	2500 litres	30
817	Furniture -chairs for MCR & Operator field locations	100 nos.	20
818	Electrical Trainer Kit	1 Set	40
819	120 TR chiller plant and its auxiliary equipments	3 Nos.	250
820	Upgrading the existing exhibits	50 Nos.	25
821	Semi-Automatic TLD Reader	3	36
822	Spare plates for XJG/XJV PHE's	Multiple itemsNos	750
823	Drain Pumps & Spares	Multiple itemsNos	27.85
824	Sewerage / Drainage pumps	4Nos	26.53
825	Spare Hydraulic actuator (Governor)	2Nos	69.996
826	Portable pumps	Multiple itemsNos	22.939
827	Gaseous fire extinguishing (SGE) Modules	168Nos	674
828	Canopy for ESBO DG's	Multiple itemsNos	25.5
829	Spares of Main steam Line Valves	Multiple itemsNos	6492
830	Refrigerated Type Hydrogen Gas Drier	2Nos	70.76

831	MSR Crossover Pipe line Expansion Bellow	Multiple items	620.61
832	Peristaltic pump for PUZ system	Multiple itemsNos	77.27
833	Cooling Fan for CCW pump main motor	12Nos	11.6112
834	Spare frames for travelling water screens	Multiple itemsNos	241.73952
835	Titanium flanges	Multiple itemsNos	163.67
836	Titanium welded fittings	Multiple itemsNos	81.69399
837	Sleeves for PCC,PEC pumps	Multiple itemsNos	63.4074
838	New Journal Bearing for CEP-2nd stage pump	6NOS	19.67358
839	Bearing for CEP-2nd stage pump motor and XAV pump & motor	Multiple itemsNos	23.04516
840	Bearing for CEP-1st stage Pump Motor	Multiple itemsNos	33.8624
841	Expansion Bellow for sea water pipeline of Main Condenser	Multiple itemsNos	82.01937
842	Modified Extraction Arm for PBB debris filter	Multiple itemsNos	241.428
843	LP heater#2 level control valve and deaerator level control valve	Multiple itemsNos	743.3388
844	Portable X ray machine	1 no	45
845	NUCLEAR & RADIATION INSTRUMENTATION PACKAGE (NRIP)	1	40000
846	End Shield Assembly and associated components for for 6 units of 10 FR	6 Set (12 Nos. of ES)	67260
847	Calandria Assemblies and associated components for 2 units of 10 FR	2 sets	3600
848	MAL & AAL BELLOWS	4 Nos.	221
849	Fabrication of Pressuriser & Bleed Condenser assemblies	2 sets (2 no. of Bleed Condensers 2 no. of Pressurisers)	4058
850	Nuclear Island Mega EPC Package	1	1160000
851	LED Lightings	25	5000
852	Scintillation Analyzer	1	150
853	Hiring of heavy duty crane	1	1500
854	O&M for NPCIL heavy duty crane	1	200
855	Miscellaneous Mechanical works.	1	400
856	BOP Structures Civil works	Lumpsum	5000
857	Main Guard House KK1 - 6 security Gadgets	1	100
858	Electrical Infrastructure Network and equipment for KK-5&6 main plant area.	Lumpsum	300
859	Electrical and Inst works of Central Management Complex (CMC)	Lumpsum	800
860	Telecommunication and CCTV , PA and other C&I Infrastructure Instrumentation works	1	1000
861	Erection All Risk Insurance policy	Lumpsum	5000

862	Tail end Marine Insurance policy KK1 - 6	Lumpsum	1500
863	Application fees for Grant of Connectivity to PGCIL	Lumpsum	200
864	Construction power supply payment to TNEB for HT-131	Lumpsum	2500
865	Operation and Maintenance of Substations	Lumpsum	300
866	CCTV camera system for Main Plant Boundary	Lumpsum	500
867	Misc. Electrical items Procurement	Lumpsum	200
868	Simulator building E&I works	Lumpsum	1000
869	Construction of SBO tank	Lumpsum	2500
870	Horticulture works	Lumpsum	100
871	Wooden cupboards (Almirah)	80	40
872	Setting up of WAN monitoring system	1 Set	50
873	NPCIL internet WEB site hardware staging server and log analytics	1 set	50
874	Upgradation of Flap barrier system at NUB, NPCIL HQ	Lot	100
875	ACS and Security gadgets upgradation at VSB	Lot	200
876	Audio Visual equipment and associated items/spares for Auditorium , Seminar halls, Conf. rooms, VC rooms, PA system for HQ, etc	Lot	100
877	VSAT systems for new locations	4 sets	400
878	ILL new requirement Hardware	2 sets	100
879	Additional VC systems and backup MCU	Lt	300
880	Tool & Tackels	1 Set.	20
881	Purchase of blazer, tie, tie pin and accessories for ETs	410	20.5
882	High end work station Computers	2	150