

CODE	Item No.	DESCRIPTION	QTY	UNIT
		POWER HOUSE BUILDING, INCL. E/G FOUNDATION		1 group
04-51-60002	1	Main steel structure (Pre-fabricated)	88	tons
04-51-60003	2	Secondary steel structure, stairs & gangways (Pre-fabricated)	24	tons
04-51-60004	3	Secondary steel structure, stairs & gangways (Pre-fabricated)	7	tons
04-51-60005	4	Doors, windows and gates	2	lots
04-51-60006	5	Doors, windows and gates	2	lots
04-51-60007	6	Reinforcement for concrete	47	tons
04-51-60008	7	Cement for foundation	180	tons
04-51-60009	8	Clading	2400	m2
04-51-60010	9	Insulation material	2400	m2
04-51-60011	10	Paint	1200	litre
04-51-60012	11	Grout	3	tons
04-51-60013	12	Cement for blocks	35	tons
04-51-60014	13	Suspended ceiling	240	m2
04-51-60015	14	Tiles	65	m2
04-51-60016	15	Gutter + down pipes	150	m
04-51-60017	16	Floor gullies	6	nos
04-51-60018	17	Ridge ventilation	2	lots
04-51-60019	18	Water system pipes	250	m
04-51-60020	19	Cranes	2	lots
04-51-60021	20	Sewer system pipes	175	m
04-51-60022	21	Cast in items	3	tons
04-51-60023	22	Hollow Blocks	400	m ²
04-51-60024	23	Accessories for sanitary installation	3	lots
		TANK FARM		1 group
04-51-60025	24	Reinforcement bars	14	tons
04-51-60026	25	Cement	49	tons
04-51-60027	26	Cast in items	2	tons
04-51-60028	27	Steel for D.O. tank (2 x 2.2003) Pre-rolled	110	tons
04-51-60029	28	Paint for tank	5000	litre
04-51-60030	29	Accessories for tank	3	lots
		ADMINISTRATION BUILDING		1 group
04-51-60031	30	Reinforcement bars	8	tons
04-51-60032	31	Cement	30	tons
04-51-60033	32	Doors and windows	2	lots
04-51-60034	33	Doors and windows	2	lots
04-51-60035	34	Cast in items	1	tons
04-51-60036	35	Paint	1000	litre
04-51-60037	36	Accessories for sanitary installation	2	lots
04-51-60038	37	Cement for blocks	32	tons
04-51-60039	38	Tiles	20	m2

04-51-60040	39 Gutter + down pipes	12 m
04-51-60041	40 Hollow Blocks	350 m ²
	SECURITY GATE HOUSE	1 group
04-51-60042	41 Reinforcement bars	2 tons
04-51-60043	42 Cement	3 tons
04-51-60044	43 Doors and windows	2 lots
04-51-60045	44 Cast in items	2 lots
04-51-60046	45 Hollow Blocks	130 m ²
04-51-60047	46 Accessories for sanitary installation	2 lots
	RADIATOR COOLER AREA	1 group
04-51-60048	47 Reinforcement bars	3 tons
04-51-60049	48 Cement	30 tons
04-51-60060	49 Cast in items	2 ton
	FUEL TREATMENT BUILDING	1 group
04-51-60051	50 Reinforcement bars	1 tons
04-51-60052	51 Cement	2 tons
04-51-60053	52 Doors and windows	2 lots
04-51-60054	53 Cast in items	2 lots
04-51-60055	54 Hollow Blocks	2 group
04-51-60056	55 Accessories for sanitary installation	2 lots
	EXTERNAL WORKS	1 group
04-51-60057	56 Pipes and accessories for drain system	200 m
04-51-60058	57 Pipes and accessories for water system	300 m
	OTHERS	1 group
04-51-60059	58 Rented tools/equipment for civil work construction	4 lots
04-51-60060	59 Rented tools/equipment for civil work construction	4 lots
04-51-60061	60 Dumper	2 lots
04-51-60062	61 Backhoe excavator	2 lots
04-51-60063	62 Vibrators, concrete	4 lots
04-51-60064	63 Levelling beam	2 lots
04-51-60065	64 Steel troweller machine	2 lots
04-51-60066	65 Test equipment	2 lots
04-51-60067	66 Test equipment	2 lots
04-51-60068	67 Cutting and bending machine	2 lots
04-51-60069	68 Shuttering	2 lots
04-51-60070	69 Fencing, temporary	350 m
04-51-60071	70 Formwork	2 lots
04-51-60072	71 Formwork	2 lots
04-51-60073	72 Handtools	4 lots
04-51-60074	73 Handtools	4 lots
04-51-60075	73 Plate vibrators	2 lots
04-51-60076	74 Gravel	1 group
04-51-60077	75 Gates	4 lots
04-51-60078	76 Furniture for administration building and control room	4 lots
04-51-60079	77 Furniture for administration building and control room	4 lots
04-51-60080	1 Generator neutral point system 2xx1x2m	1 pc

04-51-60081	2 11 kV switchboard including protection relays 9x2x2.2m	1 pc
04-51-60082	3 Station auxilliary transformer 2x2x2.4m	2 pc
04-51-60083	4 LV main distribution switchboard x50.9x2.3 m	1 pc
04-51-60084	5 LV diesel auxilliary switchboard 4x0.8x2.3 m	5 pc
04-51-60085	6 LV common/building switchboard 3x0.8x2.3 m	1 pc
04-51-60086	7 LV fuel treatment auxilliary switchboard 2x0.8x2.3 m	1 pc
04-51-60087	8 110/24 V DC power supply system	1 lot
04-51-60088	9 50 V DC power supply system for telecommunication	1 lot
04-51-60089	10 Metering panel 1x1x2 m	1 pc
04-51-60090	11 Lighting and small power system	6 lots
04-51-60091	12 Set of cables and installation materials including grounding system	6 lots
04-51-60092	13 Distributed control system (DCS)	3 lots
04-51-60093	14 Uninterruptible power supply (UPS) 1.5x1x1 m	1 pc
04-51-60094	15 Local diesel control panel 2x1x1.5 m	3 pc
04-51-60095	16 Central control panel 4x1x2 m	1 pc
04-51-60096	17 Spare parts	2 lots
04-51-60097	18 Rented erection tools	2 lots
04-51-60098	19 Rented test equipment	2 lots
04-51-60099	20 Station Earth System	2 lots
04-51-60100	21 Lightning Protecting System	2 lots
04-51-60101	22 Small panels and junction boxes	4 lots
	GENERATOR SET	1 group
04-51-60102	1 Diesel engines MAN B&W & accessories 11,200x3,300x4,000	4 pc
04-51-60103	2 Accessories for diesel engine	4 lots
04-51-60104	3 Generator synchronous alternator including excitation system 4,300x3,130x3,000	4 pc
04-51-60105	4 Accessories for generator	4 lots
	FUEL OIL SYSTEM	1 group
04-51-60106	5 HFO buffer/settling tank Ø2,200x3,500	1 pc
04-51-60107	6 DO storage/buffer tank Ø3,000x3,500	1 pc
04-51-60108	7 HFO service tank Ø2,500x3,500	4 pc
04-51-60109	8 DO service tank Ø2,800x3,500	1 pc
04-51-60110	9 HFO transfer pump unit 2,200x2,100x1,500	1 pc
04-51-60111	10 DO transfer pump unit 2,200x2,100x1,500	1 pc
04-51-60112	11 HFO/DO separator unit 2,000x2,000x1,800	1 pc
04-51-60113	12 DO seperator unit 2,000x2,000x1,800	1 pc
04-51-60114	13 DO supply unit 2,000x1,500x1,500	4 pc
04-51-60115	14 Fuel booster units and FO venting tank 2,000x1,500x1,500	4 pc
04-51-60116	15 FO drain tank and FO drain transfer pumps 2,200x1,800x1,700	4 pc
04-51-60117	16 Pipes, valves, instruments, supports, gasket, bolts and nuts, compensator, cladding, insulation, damper, duct etc.	4 lots
	LUB. OIL SYSTEM	4 group
04-51-60118	17 Lub. oil cooler 1,500x800x1,800	4 pc

04-51-60119	18 Automatic back-flushing filter 1,500x1,500x1,600	4 pc
04-51-60120	19 Lub. oil separator units 3,600x2,000x1,800	1 pc
04-51-60121	20 Pipes, valves, instruments (Supports) etc. 2,000x3,000x2,000	1 lot
04-51-60122	21 Pre-lub oil pump 1,000x1,000,1000	4 pc
04-51-60123	22 Hand Wing Pumps 1,000x1,000,1000	4 pc
04-51-60124	23 Pipes, valves, instruments, supports, gasket, bolts and nuts, compensator, cladding, insulation, damper, duct etc.	4 lots
	COOLING WATER SYSTEM	1 group
04-51-60125	24 LT cooling water pumps 800x800x600	4 pc
04-51-60126	25 Radiator coolers 10,570x2,300x1,500	4 pc
04-51-60127	26 Inhibitor tank (LT) Ø800x1,000	4 pc
04-51-60128	27 Inhibitor tank (HT) Ø800x1,000	4 pc
04-51-60129	28 Expansion tanks (LT) 800x500x700	4 pc
04-51-60130	29 Expansion tanks (HT) 800x500x700	4 pc
04-51-60131	30 HT cooling water preheaters 1,000x1,000x1,000	4 pc
04-51-60132	31 Preheater pumps 1,000x1,000x1,000	4 pc
04-51-60133	32 Pipes, valves, instruments, supports, gasket, bolts and nuts, compensator, cladding, insulation, damper, duct etc.	4 lots
	MAKE-UP AND SERVICE WATER SYSTEM	1 group
04-51-60134	33 Water tank Ø2,500x5,000	1 pc
04-51-60135	34 Pressure water tank Ø800x1,300	1 pc
04-51-60136	35 Make-up water pump 700x800x700	1 pc
04-51-60137	36 Pipes, valves, instruments, supports, gasket, bolts and nuts, compensator, cladding, insulation, damper, duct etc.	3 lots
	COMPRESSED AIR SYSTEM	1 group
04-51-60138	37 Starting air compressor, electric 1,100x1,000x1,200	1 pc
04-51-60139	38 Starting air compressor, electric 1,100x1,000x1,200	1 pc
04-51-60140	39 Starting air receiver Ø800x1,500	4 pc
04-51-60141	40 Control/service air receiver Ø1,800x2,000	2 pc
04-51-60142	41 Control/service air dryer 700x800x700	1 pc
04-51-60143	42 Pipes, valves, instruments, supports, gasket, bolts and nuts, compensator, cladding, insulation, damper, duct etc.	4 lots
	COMBUSTION AIR AND EXHAUST GAS SYSTEM	1 group
04-51-60144	43 Air intake oil bath filter 2,500x2,000x2,000	4 pc
04-51-60145	44 Exhaust gas silencer Ø2,100x6,000	4 pc
04-51-60146	45 Pipes, valves, instruments, supports, gasket, bolts and nuts, compensator, cladding, insulation, damper, duct etc.	4 lots
	DRAIN WATER SYSTEM	1 group
04-51-60147	46 Drain pit pumps 800x700x700	2 pc
04-51-60148	47 Oil Water Separator 1,000x1,000x1,000	1 pc
04-51-60149	48 Waste oil pump for oil/water separator 700x800x700	1 pc
04-51-60160	49 Pipes, valves, instruments, supports, gasket, bolts and nuts, compensator, cladding, insulation, damper, duct etc.	2 lots
	VENTILATION SYSTEM, ENGINE HALL	1 group
04-51-60151	50 Ventilation air intake units 2,000x2,000x2,000	6 pc

04-51-60152	51 Engine hall extraction units Ø1,600x15,000	3 pc
04-51-60153	52 Ventilation auxiliary equipment	3 lots
04-51-60154	53 Pipes, valves, instruments, supports, gasket, bolts and nuts, compensator, cladding, insulation, damper, duct etc. VENTILATION SYSTEM, AIR CONDITIONING	3 lots 1 group
04-51-60155	54 A/C ventilation units 1,200x1,000x1,000	10 pc
04-51-60156	55 Heating panels 1,200x300x300 BLACK START SYSTEM	10 pc 1 group
04-51-60157	56 Diesel Engine driven Black Start Genset 1,500x1,000x1,000 FIRE DETECTION AND FIRE FIGHTING SYSTEM	1 pc 1 group
04-51-60158	57 Portable fire extinguishers	3 lots
04-51-60159	58 Fire detection and alarm system OTHERS	2 lots 1 group
04-51-60160	59 Bulk material i.e. bolt, nuts etc. 10x20" container	10 lots
04-51-60161	60 Rented erecton & test equipment 6x20" container	6 lots
04-51-60162	61 Spare Parts for Engines and Auxiliary equipment 2x20" container	2 lots
04-51-60163	62 Spare Parts for Engines and Auxiliary equipment 2x20" container	2 lots
04-51-60164	63 Workshop hand tools and equipment	2 lots
04-51-60165	64 Workshop machine tools and equipment	2 lots
04-51-60166	65 Laboratorie equipment	2 lots
04-51-60167	1 Car 4x4 Double Cabin 20' Container	1 pc
04-51-60168	2 Car 4x4 pick up 20' Container	1 pc
04-51-60169	3 Lubrication oil for commissioning 20' Container	2 pc
04-51-60170	4 Lubrication oil for 2 years operation 20' Container	35 pc
04-51-60171	5 Documentation and manuals	4 lots
04-51-60172	6 Office equipment for site office	4 lots
04-51-60173	7 Furniture for expatriate personnel	4 lots
04-51-60174	8 Training equipment, TV, overhead, ma unuals etc.	2 lots
04-51-60175	9 Food and beverages for expatriate personnel	12 lots

CODE	Item No.	DESCRIPTION	QTY	UNIT
04-51-60176	1	Radiator Cooler Switchboards	4	pc
04-51-60177	2	LV Building Service Switchboard	1	pc
04-51-60178	3	Lighting and Small Power Switchboard ADM. Bldg	1	pc
04-51-60179	4	Lighting and Small Power Switchboard Others	2	lots
04-51-60180	5	Local Control Boxes	2	lots
04-51-60181	6	Telephone System	2	lots
04-51-60182	7	Ventilation Switchboards	4	pc
04-51-60183	8	Tools for erection of Tank Farm (To be reexported)	2	lots
04-51-60184	9	Tools & Scaffolding for erection of Power House Building (To be reexported)	2	lots
04-51-60185	1	Glycol (cooling liquid) in 210 litre drums	65	pc
04-51-60186	2	Oil resistant sealant,with tools, personal protection and accessories for its application	3	lots
04-51-60187		Spare Parts for Engines and Auxiliary equipment:	16	lots