

5-5 solid disposal equipment (D)

D	Solid Disposal Equipment	1/6	EQUIPMENT LIST	1/2
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NAME	Incinerator with supplementary burner
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TECHNICAL DATA	
° Structure :	This equipment consists of an incinerator combined with an oil burner. The burner is electrically ignited at a temperature below the preset minimum temperature point. The furnace temperature will rise with the incineration of wastes alone. When it reaches the preset maximum temperature, an electromagnetic valve will automatically be opened to spray water into the furnace so as to prevent further uildup of the furnace temperature. The furnace has a primary combustion chamber in the center with secondary and tertiary combustion chambers in the rear. A blower is provided outside of the front charge door. This blower, together with an air discharge nozzle, will supply air to mix with combustion gas.
° Fuel :	Heavy oil A (solar oil)
° Oil tank :	170 liters
° Max. temp. control :	Furnace temperature is sensed by a thermocouple and water is automatically sprayed into the furnace with the electromagnetic valve.
° Water pipe:	1/2"
° Spare :	Thermocouple (with compensation lead) 3 sets Spray nozzle (with pipe) 3 "

ITEM NO.	SPECIFICATION	WEIGHT (T)	ELECTRIC CAPACITY (KW)
1-I.II-(a)	Disposal capacity : 150 kg/Hr Area of fire grate : 1.08 m ² Capacity of primary combustion chamber : 1.71 m ³ Air feed fan : 1 φ, 100V, 0.4 kw Pilot burner : " . 0.15 kw Fuel oil consumption: 13.2 ℓ/Hr Flue tube : 400 φ × 6.4 m	7.0	0.55
REMARKS			

Weight; Top - Gross shipping weight
Bottom - Net weight

D	Solid Disposal Equipment	1/6	EQUIPMENT LIST	1/2
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NAME	Incinerator with supplementary burner
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TECHNICAL DATA	

ITEM NO.	SPECIFICATION	WEIGHT. (T)	ELECTRIC CAPACITY (KW)
I-III ~ V	Disposal capacity : 300 kg/Hr Area of fire grate : 1.76 m ² Capacity of primary combustion chamber : 3.78 m ³ Air feed fan : 3 ϕ , 220V, 1.5 kw Pilot burner : " 0.2 kw Fuel oil consumption: 24.6 l/Hr Flue tube : 550 ϕ \times 7.8 m	14.5	1.7
REMARKS			

Weight; Top - Gross shipping weight
 Bottom - Net weight

D	Soild Disposal Equipment	2/6	EQUIPMENT LIST	2/2
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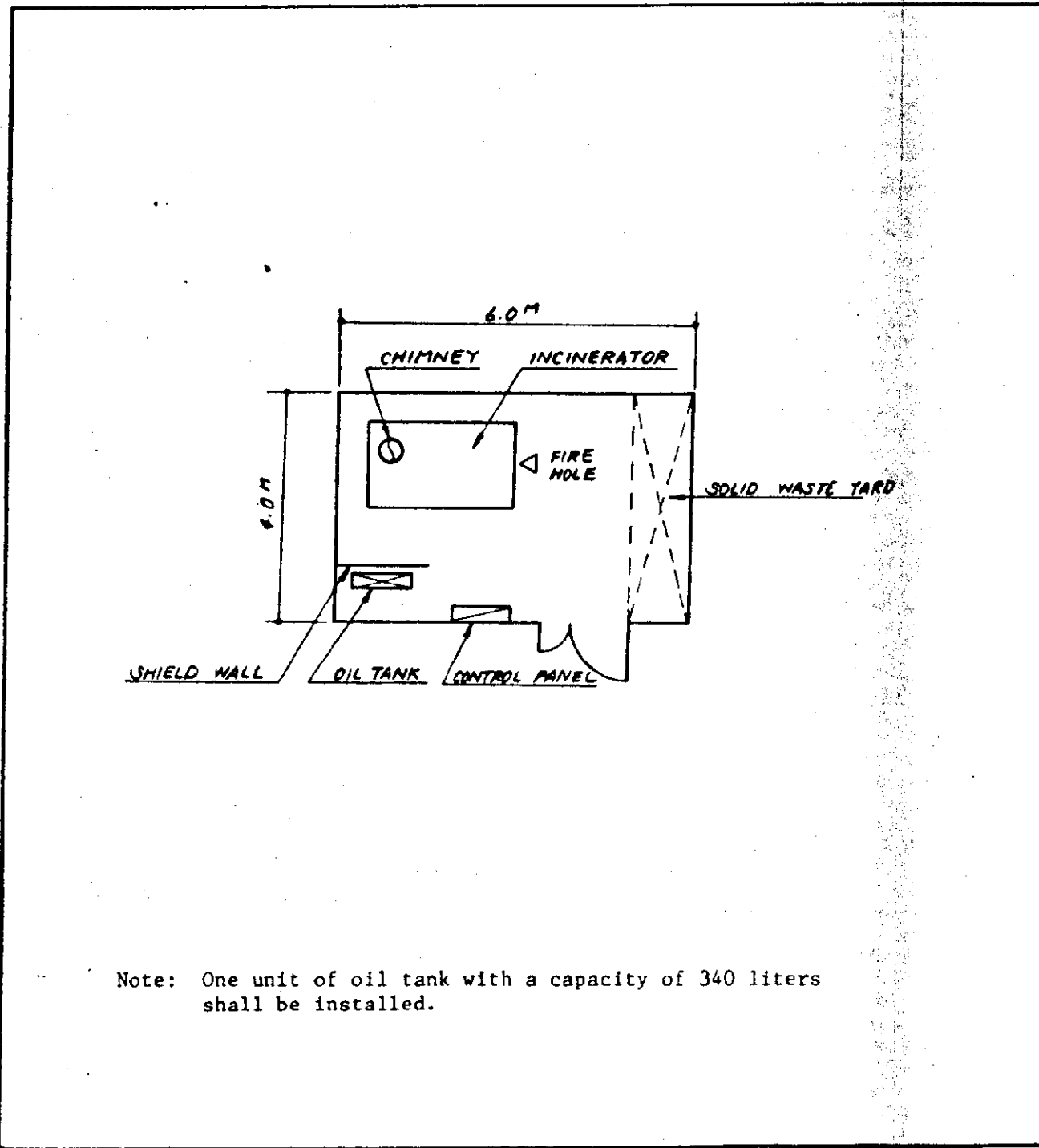
NAME	Self-burning type incinerator
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TECHNICAL DATA	
° Structure :	This incinerator has an "Air-Clone" in the center of the furnace. The Air-Clone contains a cyclone (made of stainless steel). Air is supplied by a blower to an air header located in the front so that air will be fed to the Air-Clone and fire hole ring. Air which has been supplied to the Air-Clone is then discharged through its multiple small air holes to mix with combustion gas.
° Max. temp. control :	A thermocouple senses furnace temperature and activates an electro-magnetic valve so that it will automatically spray water into the furnace.
° Water pipe:	1/2"
° Spare :	Thermocouple (with compensation lead) 3 sets Spray nozzle (with pipe) 3 "

ITEM NO.	SPECIFICATION	WEIGHT (T)	ELECTRIC CAPACITY (KW)
1-I.II-(b)	Disposal capacity : 135 kg/hr Area of fire grate: 1.12 m ² Capacity of combustion chamber : 1.35 m ³ Blower : 3 ϕ, 220V, 0.8 kw Flue tube : 350 ϕ × 5.1 m	5.5	0.8
REMARKS			

Weight; Top - Gross shipping weight
Bottom - Net weight

D	Solid Disposal Equipment	3/6	Equipment List by Group Code	1/4	Group Code	D-1.11- (a)
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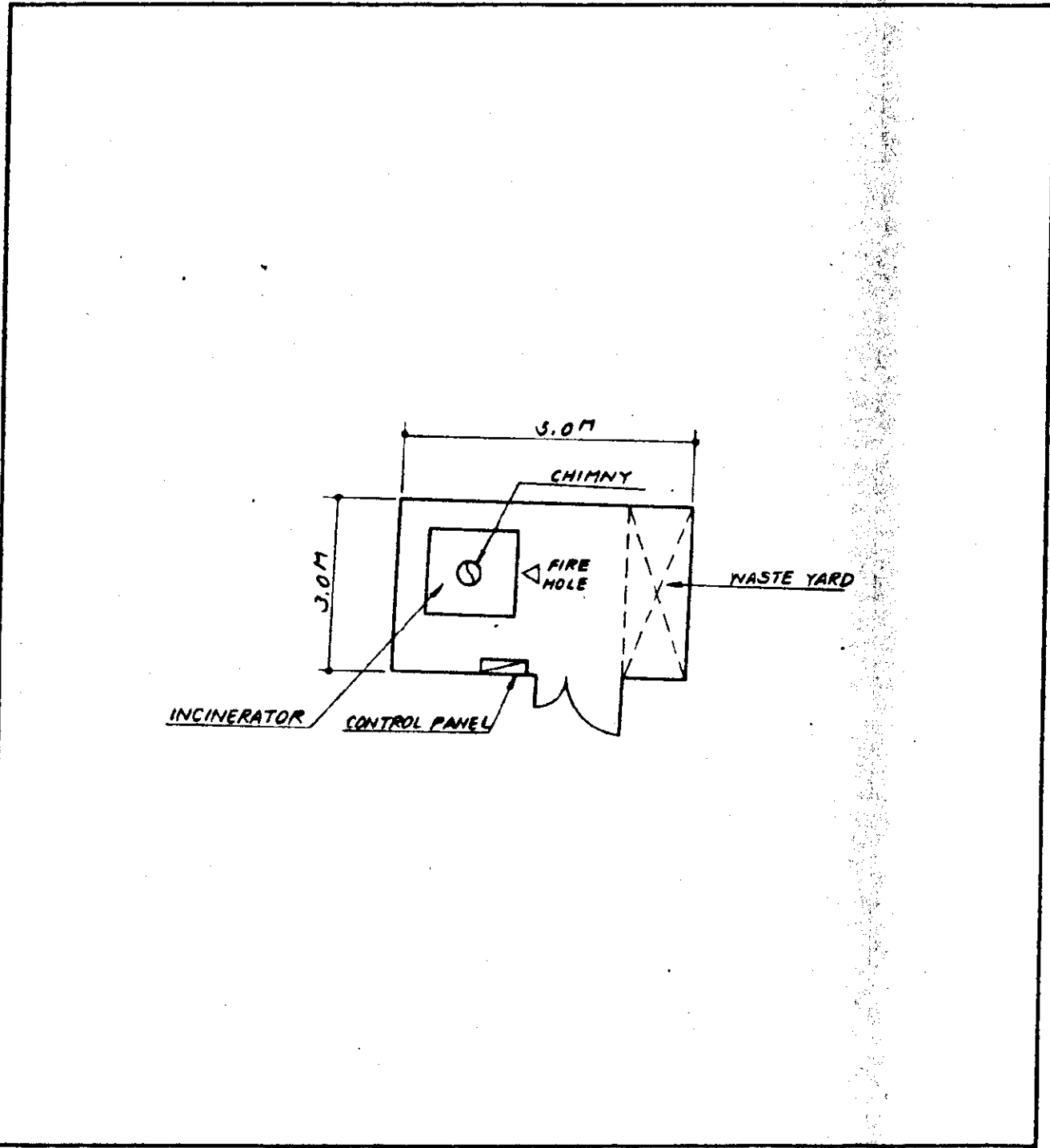
Note: One unit of oil tank with a capacity of 340 liters shall be installed.

Equipment List					
Name of Equipment	Q'ty	Specification			
		Code	Weight	Power	Others
Incinerator	2 set	1-III W	29.0	3.4	
Installation & Adjustment	1 set				
Supervision	1 set				
Total			29.0	3.4	

Building area	6.5 x 8.5	55.25 m ²	Founda- tion	3 x 4 x 2	24 m ²
Gross weight		29.0 t			
Electric capacity		3.4 kw			

*Weight is shipping weight.

D	Solid Disposal Equipment	4/6	Equipment List by Group Code	2/4	Group Code	D-1.11- (b) (Complete with auxiliary burner)
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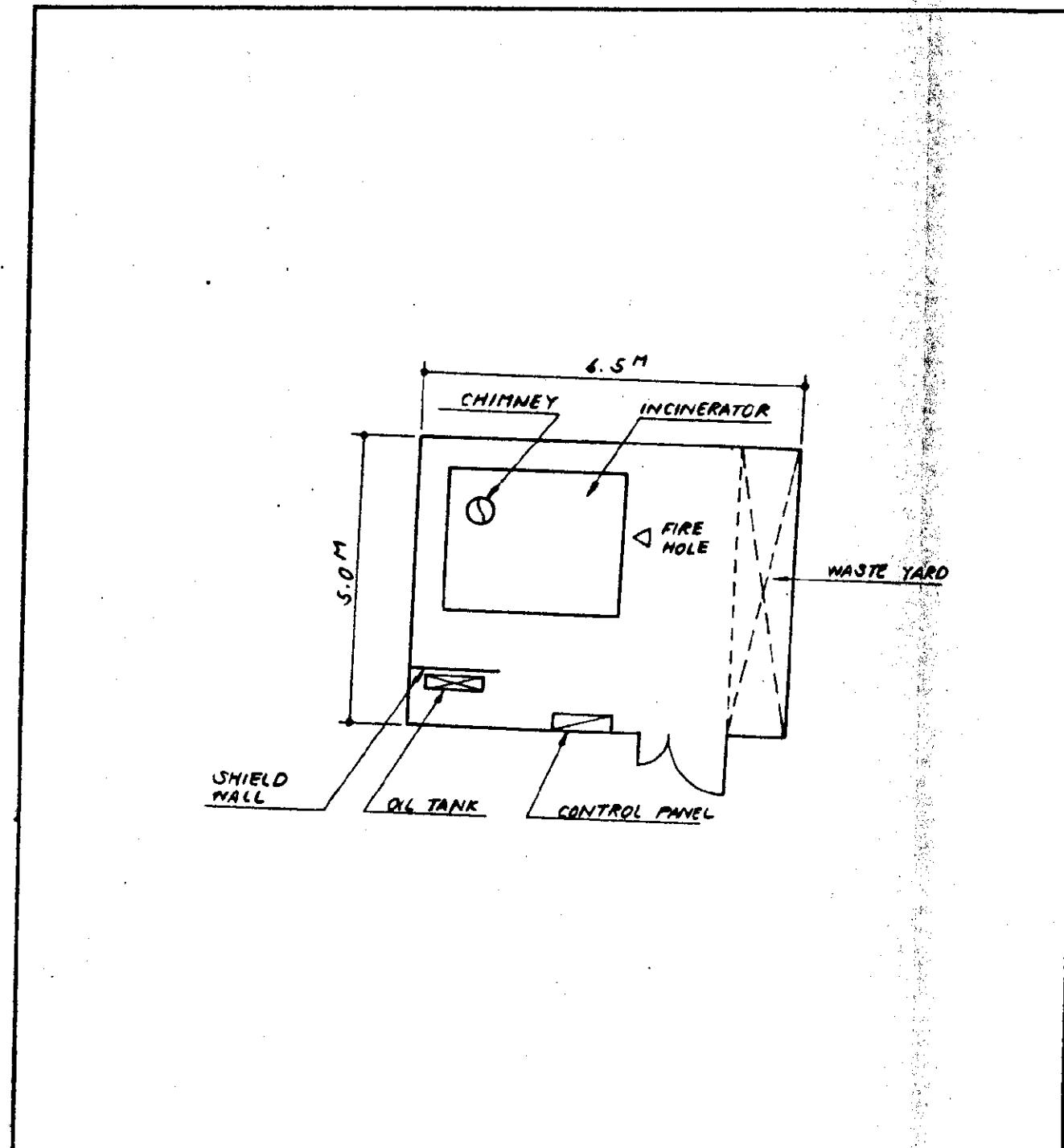


Equipment List					
Name of Equipment	Q'ty	Specification			
		Code	Weight	Power	Others
Incinerator	1 set	1-I.II - a	7.0	0.55	
Installation & Adjustment	1 set				
Supervision	1 set				
Total			7.0	0.55	

Building area	4 x 6	24 m ²	Founda-tion	2 x 3.5	7 m ²
Gross weight		7 t			
Electric capacity		0.55 kw			

* Weight is shipping weight

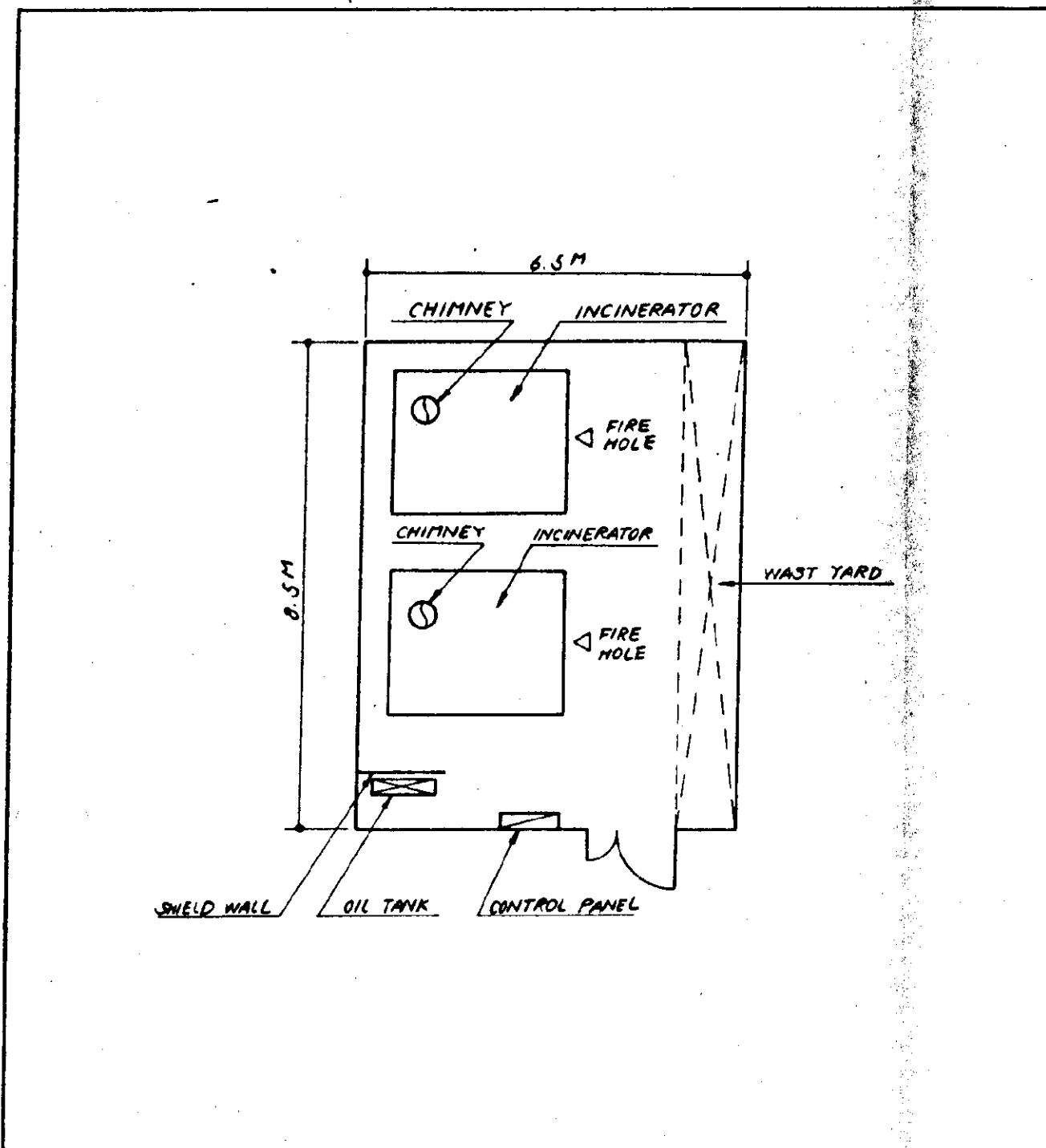
D	Solid Disposal Equipment	5/6	Equipment List by Group Code	3/4	Group Code	D-III, IV (with auxiliary burner)
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Equipment List					
Name of Equipment	Q'ty	Specification			
		Code	Weight	Power	Others
Incinerator	1 set	1-I.II - b	5.5	0.8	
Installation & Adjustment	1 set				
Supervision	1 set				
Total			5.5	0.8	

Building area	3 x 5	15 m ²	Founda- tion	2 x 2.5	5 m ²
Gross weight		5.5 t			
Electric capacity		0.8 kw			

*Weight is shipping weight.



Equipment List					
Name of Equipment	Q'ty	Specification			
		Code	Weight	Power	Others
Incinerator	1 set	1-III~ V	14.5	1.7	
Installation & Adjustment	1 set				
Supervision	1 set				
Total			14.5	1.7	

Building area	5 x 6.5	32.5 m ²	Founda- tion	3 x 4	12 m ²
Gross weight		14.5 t			
Electric capacity		1.7 kw			

*Weight is shipping weight.

5-6 Boiler-boiler plant (E1)

E1	Boiler-Boiler Plant	1/13	EQUIPMENT LIST	1/11
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NAME	Steam Boiler
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TECHNICAL DATA		
Type	: Spiral smoke tube and straight stay tube type	
Max. pressure	: 10 kg/cm ²	
Working pressure	: 7 kg/cm ²	
Fuel	: Heavy oil A (Solar oil)	
Operation control method	: H-L-Off or On-Off, full automatic operation	
Power supply	: 3 φ, 220V	
Motor control panel:	To be treated for heat resistance	
Boiler plant consists of:		
Boiler proper	1 unit	1 set of spare parts
Oil burner	1 "	(2 years requirement)
Full automatic combustion device	1 set	
Automatic water regulator	1 "	
Control panel	1 "	
Water pump (multistage)	2 units	
Water injector	1 "	
Flow meter	1 "	
Common base	1 "	
Piping	1 set	
Electric work (after panel)	1 "	
Boiler insulation	1 "	
Painting cost	1 "	
Adjustment	1 "	

ITEM NO.	SPECIFICATION	WEIGHT (T)	ELECTRIC CAPACITY (KW)
1 - IV	Equivalent evaporation (rated capacity) 900 kg/hr	4.5	10.0
	Oil consumption (rated capacity) 56 l/Hr	5.5	
1 - V	Equivalent evaporation (rated capacity) 1,200 kg/hr	5.0	11.0
	Oil consumption 72 l/Hr	6.6	
REMARKS	Product weight: 3.9t for 1-IV, 4.3t for 1-V		

Weight; Top - Gross shipping weight
Bottom - Net weight

El	Boiler-Boiler Plant	2/13	EQUIPMENT LIST	2/11
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NAME	Main oil tank
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TECHNICAL DATA	
Type	: Round type, steel plate, welding Rust preventive treatment on exterior (Protective material to be installed locally)
System	: Buried underground
Accessories:	Oil filling inlet 1 set Oil check valve 1 " Metering port 1 " Leak check pipe and inspection cover 1 " Manhole 2 " Air vent fitting 1 " Clamping band, etc. 1 " Electric oil gauge (level meter, alarm, gear pump control) 1 "

ITEM NO.	SPECIFICATION	WEIGHT (T)	ELECTRIC CAPACITY (KW)
2 - IV	Capacity : 5000 l		
	Dimensions : 1,400 ϕ \times 3,900 L (overall length)	1.8	-
	Accessories: manhole 2 pcs, oil gauge, etc. 1 set	6.3 t	
2 - V	Same as above	1.8	
		6.3 t	-
REMARKS	Product weight: 1.27t for 2-IV, 1.27t for 2-V Cost of protective material is included in equipment work cost.		

Weight; Top - Gross shipping weight
Bottom - Net weight

E1	Boiler-Boiler Plant	3/13	EQUIPMENT LIST	3/11
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NAME	Oil service tank
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TECHNICAL DATA	
Type	: Square type, steel plate welding construction
Accessories	: To be provided with connecting ports for oil supply, oil return, oil feed, oil drain, overflow, air vent pipe, etc. as well as float switch, and level gauge mounting seats.
Oil gauge	1 set
Manhole	1 "
	With frame, 1,000 m

ITEM NO.	SPECIFICATION	WEIGHT (T)	ELECTRIC CAPACITY (KW)
3 - IV	Capacity : 500 l	0.27	-
	Dimensions: 700 × 700 × 1,000 m		
	Frame : 1,000 m	0.73	
3 - V	Capacity : 600 l	0.3	-
	Dimensions: 800 × 800 × 1,000 m		
	Frame : 1,000 m	0.86	
REMARKS	Product weight: 0.23t for 3-IV, 0.26t for 3-V		

Weight; Top - Gross shipping weight
Bottom - Net weight

EI	Boiler-Boiler Plant	4/13	EQUIPMENT LIST	4/11
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NAME	Oil gear pump
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TECHNICAL DATA	
Type	: Direct drive, gear pump
Accessories:	Shaft coupling protective cover 1 set
	Flange (with bolts) 1 "
	Anchor bolt, etc. 1 "
Motor	: Heatproof treatment, 3 ϕ , 220V

ITEM NO.	SPECIFICATION	WEIGHT (T)	ELECTRIC CAPACITY (KW)
4 - IV	15 ϕ \times 10 ℓ /min \times 0.4 kw	0.05	0.4
	Dimensions: 500 W \times 700 L \times 400 m	0.05	
4 - V	Same as above	0.05	0.4
		0.05	
REMARKS	Product weight: 0.044t for 4-IV, 0.044t for 4-V		

Weight; Top - Gross shipping weight
Bottom - Net weight

E1	Boiler-Boiler Plant	5/13	EQUIPMENT LIST	5/11
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NAME	Raw water pump
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TECHNICAL DATA	
Type	: Multistage centrifugal pump
Accessories:	Stop valve 1
	Check valve 1
	Pressure gauge 1
	Priming funnel 1
	Purge valve 1
	Drain valve 1
	Shaft coupling protective cover 1
	Flange (with bolts) 1
	Anchor bolt, etc. 1
Motor	: To be treated for heat resistance 3 ϕ , 220V

ITEM NO.	SPECIFICATION	WEIGHT (T)	ELECTRIC CAPACITY (KW)
5 - IV	40 ϕ \times 160 ℓ \times 20 m \times 1.5 kw	0.13	1.5
	Dimensions: 300 W \times 860 L \times 380 m	0.12	
5 - V	Same as above	0.13	1.5
		0.12	
REMARKS	Product weight: 0.115t for 5-IV, 0.115t for 5-V		

Weight; Top - Gross shipping weight
Bottom - Net weight

E1	Boiler-Boiler Plant	6/13	EQUIPMENT LIST	6/11
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NAME	Filtration equipment
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TECHNICAL DATA

Criteria : Raw water quality turbidity 8 degrees
Quality of treated water " below 2 degrees
Filtration speed LV = 6 m/H
Backwash speed LV = over 25 m/H

Equipment components: Flow meter, single operation valve, filter proper, filter proper, filter medium, pressure gauge, etc.

Spare parts (for 2 years supply) : filter medium 300 l (6 - VI) 350 l (6 - V)
Sheet packing 1 pc
Gauge pipe 2 pcs

Operation method : Manual changeover operation

ITEM NO.	SPECIFICATION	WEIGHT (T)	ELECTRIC CAPACITY (KW)
6 - IV	Flow rate : 1 ~ 2 m ³ /H	1.1	-
	Filter medium : 300 l Dia. of main pipe : 40 A Equipment dimensions: 650 φ × 1.524 m	1.3	
6 - V	Flow rate : 2 ~ 4 m ³ /H	1.3	-
	Filter medium : 350 l Dia. of main pipe : 40 A Equipment dimensions: 750 φ × 1.524 m	1.8	
REMARKS			

Weight; Top - Gross shipping weight
Bottom - Net weight

E1	Boiler-Boiler Plant	7/13	EQUIPMENT LIST	7/11
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NAME	Water softener
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TECHNICAL DATA	
Criteria	: Raw water quality hardness 5°dH (89.25ppm as CaCO ₃) Quality of treated water " below 0.1°dH Flow rate LV = over 5 m/H
Equipment components:	Water softener, flow meter, single control valve, ion exchange resin, pressure gauge, etc.
Spare parts (2 years supply)	: Ion exchange resin 300 ℓ (7 - VI), 350 ℓ (7 - V) Sheet packing 1 pc Gauge pipe 2 pcs
Operation method	: Manual changeover operation

ITEM NO.	SPECIFICATION	WEIGHT. (T)	ELECTRIC CAPACITY (KW)
7 - IV	Flow rate : 4 ~ 10 m ³ /H, 120 m ³ /cycle Ion exchange resin : 300 ℓ Dia. of main pipe : 40 A Equipment dimensions: 650 φ × 1.524 m	0.88 1.2	-
7 - V	Flow rate : 4 ~ 10 m ³ /H, 140 m ³ /cycle Ion exchange resin : 350 ℓ Dia. of main pipe : 40 A Equipment dimensions: 750 φ × 1.524 m	1.3 1.8	-
REMARKS			

Weight; Top - Gross shipping weight
Bottom - Net weight

E1	Boiler-Boiler Plant	8/13	EQUIPMENT LIST	8/11
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NAME	Softened water tank
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TECHNICAL DATA	
Type	: Square type, steel plate welding construction Interior - epoxy resin coating Exterior - rust preventive treatment
Accessories:	To be provided with connecting ports for feed water, drain water, overflow, air vent pipe, etc. as well as electrode mounting seat Manhole 600 × 600, frame 500H

ITEM NO.	SPECIFICATION	WEIGHT. (T)	ELECTRIC CAPACITY (KW)
8 - IV	Capacity : 1,800 ℓ Dimensions : 1,300 × 1,300 × 1,500 m Frame : 500 m Accessories: Manhole and others	0.99 2.6	-
8 - V	Capacity : 2,400 ℓ Dimensions : 1,500 × 1,500 × 1,500 m Frame : 500 m Accessories: Manhole and others	1.09 3.3	-
REMARKS	Product weight: 0.75t for 8-IV, 0.91t for 8-V		

Weight; Top - Gross shipping weight
Bottom - Net weight

E1	Boiler-Boiler Plant	9/13	EQUIPMENT LIST	9/11
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NAME	Boiler chemical treatment equipment
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TECHNICAL DATA	
Criteria	: Chemicals Compound boiler chemicals Quality of feed water Soft water Injection point Intake side of feed pump
Equipment components:	Chemical injection pump (3 units), Chemical solution tank (1 unit), check valve, grade hose, etc.
Spare parts (2 years supply)	: Compound boiler chemicals 500 kg/2 years (9 - IV) 600 kg/2 years (9 - V) Diaphragm bellows 2 pcs Pump head 1 pc
Operation method	: Automatic operation (in link motion with boiler feed pump)
Motor	: To be treated for heat resistance

ITEM NO.	SPECIFICATION	WEIGHT (T)	ELECTRIC CAPACITY (KW)
9 - IV	Rate of chemical injection: 8 ~ 125 cc/min	0.05	0.09
	Discharge pressure : 7 kg/cm ² G		
	Tank capacity : 100 l (tank made of hard PVC)		
	Motor : 3 ϕ × 220V × 500mZ	0.08	
9 - V	Same as above	0.05	0.09
		0.08	
REMARKS			

Weight; Top - Gross shipping weight
Bottom - Net weight

E1	Boiler-Boiler Plant	10/ 13	EQUIPMENT LIST	10/ 11
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NAME	Steam header
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TECHNICAL DATA	
Type	: Made of steel pipe Steam pressure less than 10 kg/cm ² G
Accessories:	Trap connecting port Frame 1,000H

ITEM NO.	SPECIFICATION	WEIGHT (T)	ELECTRIC CAPACITY (KW)
11 - IV	Dimensions: 200 ϕ \times 2,500 L	0.43	-
	Frame : 1,000H	0.4	-
11 - V	Same as above	0.43	-
		0.4	-
REMARKS	Product weight: 0.37t for 11-IV, 0.37t for 11-V		

Weight; Top - Gross shipping weight
Bottom - Net weight

E1	Boiler-Boiler Plant	11/ 13	EQUIPMENT LIST	11/ 11
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NAME	Pipes and flue
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TECHNICAL DATA				
Classification	Material	Application Point	Insulation	Paint
Steam pipe	Galvanized iron pipe (black)	Exposed, interior	Rock wool + cotton finish	Filler + ready mixed paint
		Concealed	" + aluminum glass cloth	--
		In pit	" + water-proof hemp cloth	--
		Exposed, exterior	" + galvanized iron sheet	Anti-corrosive paint + ready mixed paint
Water pipe	Vinyl lining iron pipe	Exposed, interior	Form polystyrene + cotton cloth	Filler + ready mixed paint
		Concealed	" + vinyl tape	--

ITEM NO.	SPECIFICATION	WEIGHT (T)	ELECTRIC CAPACITY (KW)
12-IV	Piping	4.0	
	Insulation	0.3	
	Painting	0.1	
	Flue	2.0	
	Electricity	2.0	
12-V	Piping	5.0	
	Insulation	0.3	
	Painting	0.1	
	Flue	2.2	
	Electricity	2.0	
REMARKS			

Weight; Top - Gross shipping weight
Bottom - Net weight

E1	Boiler-Boiler Plant	11/ 13	EQUIPMENT LIST	11/ 11
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NAME	Pipes and flue
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TECHNICAL DATA				
Classification	Material	Application Point	Insulation	Paint
Water pipe		In pit	Foam polystyrene + waterproof hemp cloth	Filler + ready mixed paint
		Exposed, exterior	Foam polystyrene + galvanized iron sheet	Anti-corrosive paint + ready mixed paint
Drainage pipe	Galvanized iron pipe (for water supply)	Exposed, interior	Foam polystyrene + cotton cloth	Filler + ready mixed paint
		In pit	Foam polystyrene + vinly tape	--
		Highly humid place	Foam polystyrene + galvanized iron sheet	Filler + ready mixed paint
Pit pipe	Galvernized iron pipe (black)	Exposed, interior	--	Filler + ready mixed paint
		In pit	--	Filler + ready mixed paint
		Buried portion	Wound with jute	--

ITEM NO.	SPECIFICATION	WEIGHT (T)	ELECTRIC CAPACITY (KW)
REMARKS			

Weight; Top - Gross shipping weight
Bottom - Net weight

E1	Boiler-Boiler Plant	11/ 13	EQUIPMENT LIST	11/ 11
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NAME	Pipes and flue
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TECHNICAL DATA

Flue	steel plate construction (4.5 mm)	--	75mm Rock wool + galvornized iron sheet	Filler + Heatproof paint
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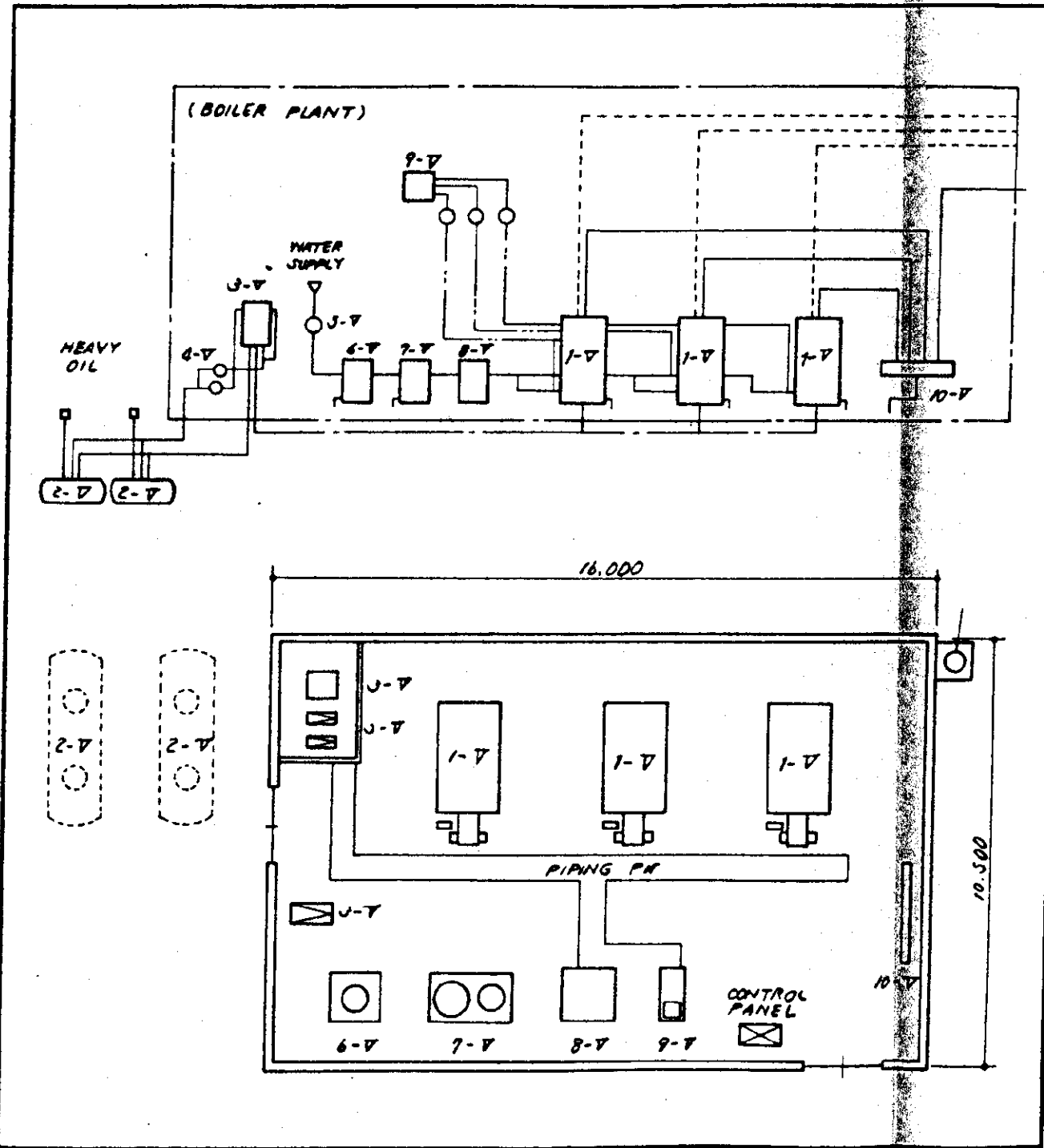
Rock wool specification: Specific gravity 32kg/m³; thickness 1/2 - 1" = 25 mm;
1-1/2-3" = 30mm; over 4" = 40mm

Foam polystyrene specification: Thickness 20mm

ITEM NO.	SPECIFICATION	WEIGHT (T)	ELECTRIC CAPACITY (KW)
REMARKS			

Weight; Top - Gross shipping weight
Bottom - Net weight

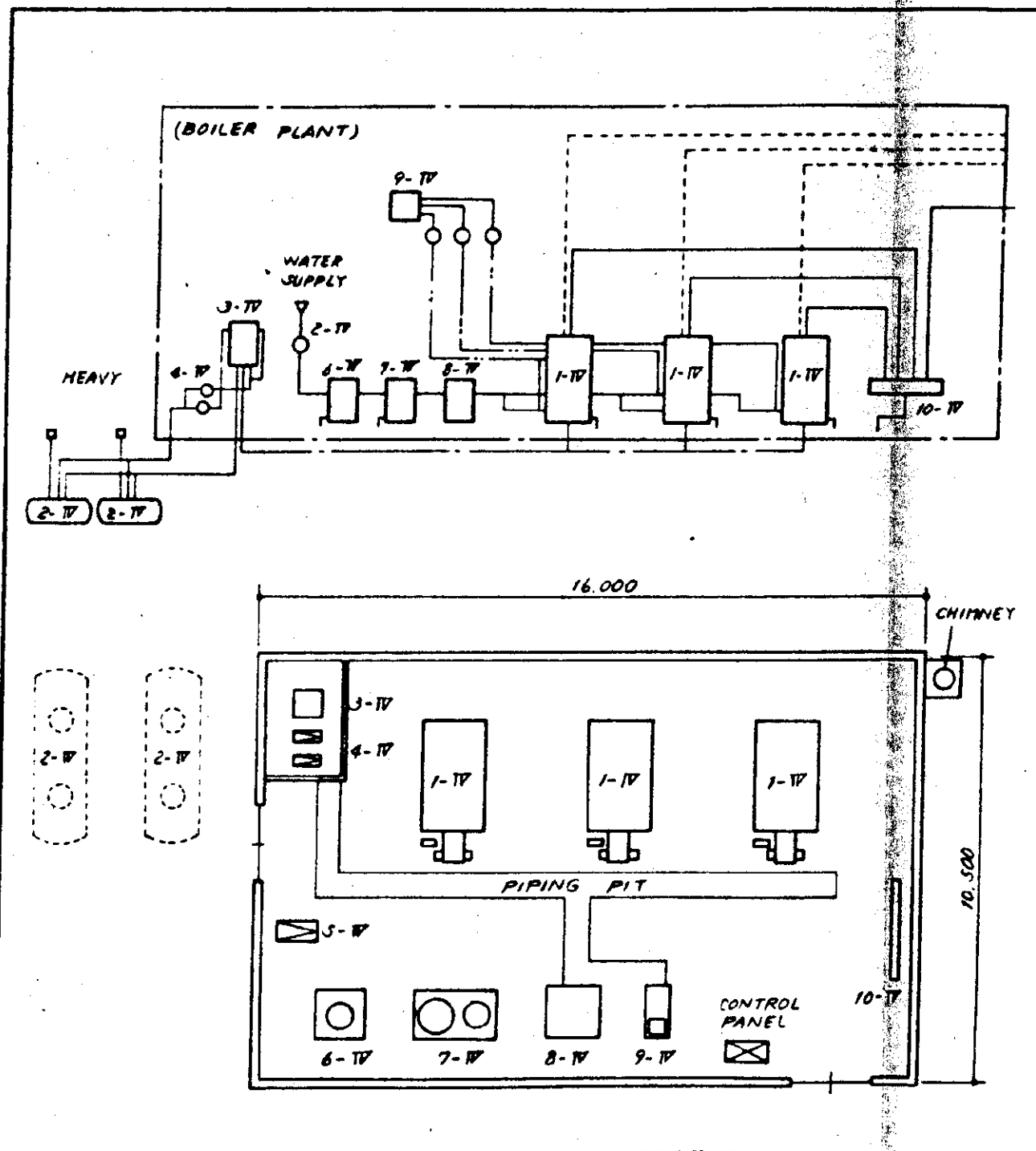
E1	Boiler-Boiler Plant	12/13	Equipment List by Group Code	1/2	Group Code	B - IV
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Equipment List					
Name of Equipment	Q'ty	Specification			
		Code	Weight	Power	Others
1. Equipment					
Steam boiler	3	1-V	5.0x2	4.0x2	7,200
Main oil tank	2	2-"	1.8x2		1.680
Service oil tank	1	3-"	0.3		
Oil gear pump	2	4-"	0.05 ^x ₂	0.4x1	75
Raw water pump	1	5-"	0.13	1.5	
Filtration equipment	1	6-"	1.3		
Water softener	1	7-"	1.3		
Softened water tank	1	8-"	1.09		
Chemical treatment equipment	1	9-"	0.05	0.09 ^x ₂	
Steam header	1	10-"	0.43		
Sub total			23.30	24.1	
2. Material					
Pipes & flue	1		7.6		
Electric equipment	1		2.0		(Incl. automatic control)
Sub total	1		9.6		
FOB Yokohama	1		32.90		
3. Installation					
Delivery & installation	1				
Pipes & flue	1				
Electric equipment	1				(Incl. automatic control)
Sub total	1				
4. Adjustment	1				
5. Supervision	1				
Total	1		32.90	24.1	

Building area	16m x 10.5m x 3.5m	168 M ²	Foundation	
Gross weight		32.9t		
Electric capacity		kw 24.1		

Calculated on assumption that the term of works is 100 days.



Equipment List					
Name of Equipment	Q'ty	Specification			
		Code	Weight	Power	Others
1. Equipment					
Steam boiler	3	1-IV	4.5x3	10.0x2	6,500
Main oil tank	2	2- "	1.8x2		1,680
Service oil tank	1	3- "	0.27		
Oil gear pump	2	4- "	0.05 ^x ₂	0.4x1	75
Raw water pump	1	5- "	0.13	1.5	
Filtration equipment	1	6- "	1.1		
Water softener	1	7- "	0.88		
Softened water tank	1	8- "	0.99		
Chemical treatment equipment	1	9- "	0.05	0.09x ₂	
Steam header	1	10- "	0.43		
Sub total			21.05	22.1	
2. Material					
Pipes & flue	1		6.4		
Electric equipment	1		2.0		(Incl. automatic control)
Sub total			8.4		
3. Installation					
Delivery & installation	1				
Pipes & flue	1				
Electric equipment	1				(Incl. automatic control)
Sub total					
4. Adjustment	1				
5. Supervision	1				
Total	1		29.45	22.1	

Building area	16m x 10.5m x 3.5m	168 M ²	Founda- tion		
Gross weight		29.5t			
Electric capacity		kw 21.1			

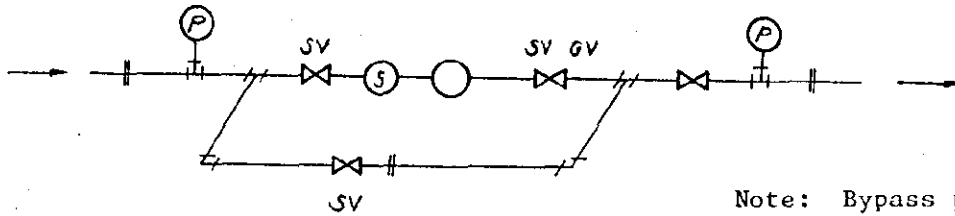
Calculated on assumption that the term of works is 100 days.

7 Boiler-outside stem piping (E2)

E2	Boiler-Outside Steam Piping	1/5	EQUIPMENT LIST	1/2
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NAME	Pressure reducing valve
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TECHNICAL DATA



Note: Bypass pipe shall be 1/2 of diameter of primary side pipe.

Piping Size Table

Name of equipment	Gunung Wenang	Ujung Pandang	Medan	Remarks
Kitchen	3/4 × 1/2	3/4 × 1/2	3/4 × 3/8	
Laundry	1 1/4 × 1/2	1 1/4 × 1/2	1 1/2 × 1 1/2	
Central Supply Room Autoclave	3/4 × 3/4	3/4 × 3/4	1 × 1	
" " Ultrasonic washing machine	3/4 × 3/8	3/4 × 3/8	3/4 × 3/8	
Pharmacy	3/4 × 3/4	3/4 × 3/4	3/4 × 3/4	
Laboratory	3/4 × 3/4	3/4 × 3/4	3/4 × 3/4	

(Flange dia.) (Piping dia.)

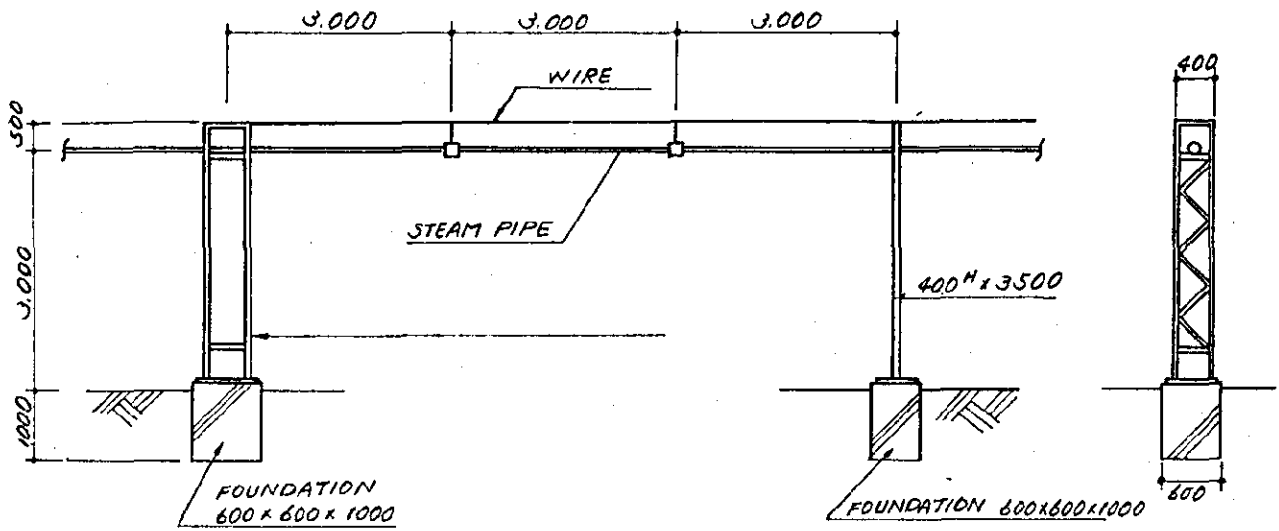
ITEM NO.	SPECIFICATION	WEIGHT (T)	ELECTRIC CAPACITY (KW)
REMARKS			

Weight; Top - Gross shipping weight
Bottom - Net weight

E2	Boiler-Outside Steam Piping	2/5	EQUIPMENT LIST	2/2
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NAME	Steam pipe support stand
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TECHNICAL DATA

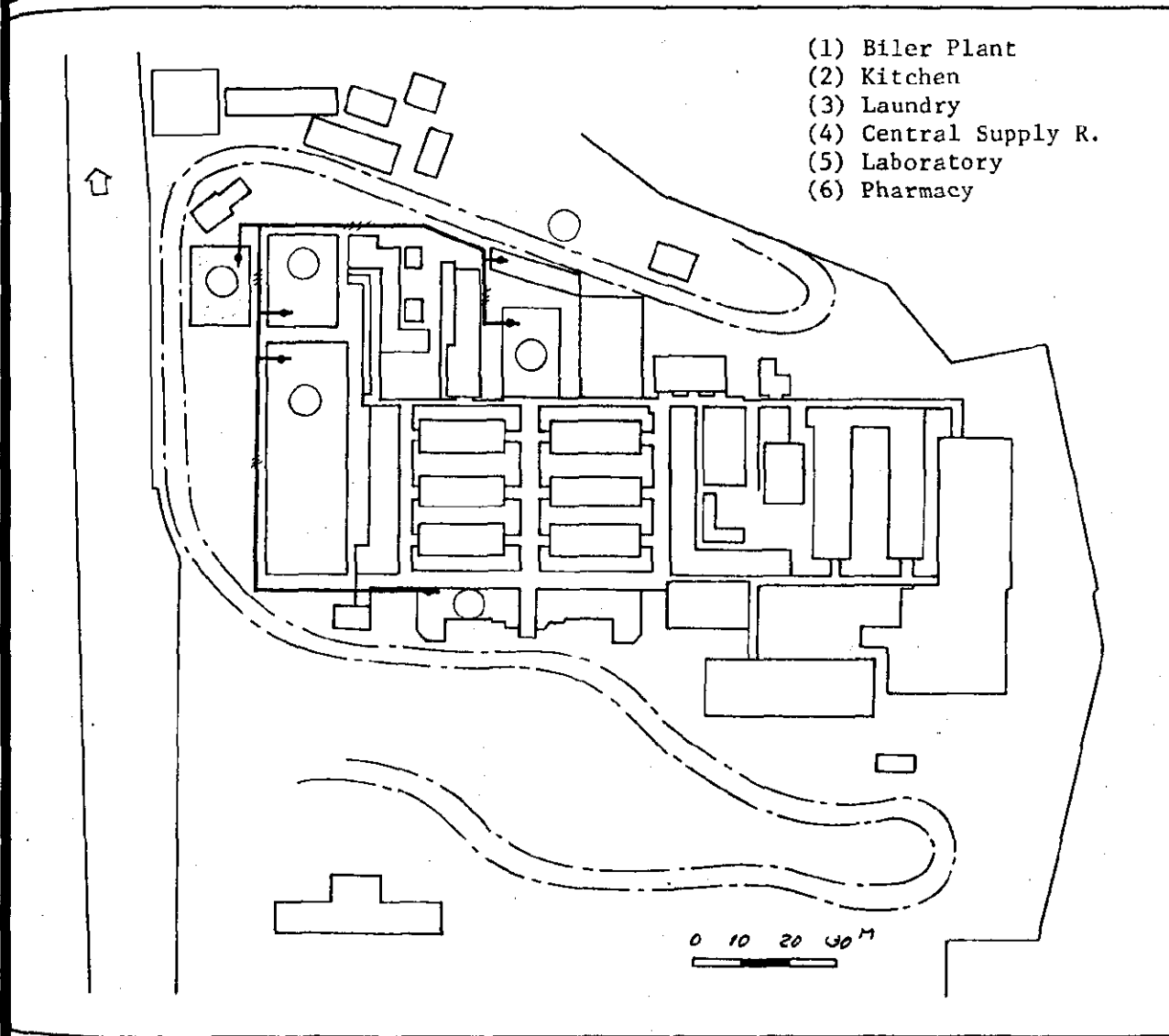


Name of Support Stand	Gunung Wenang	Ujung Pandang	Medan	Remarks
4-leg support stand	10	15	20	130 kg
2-leg support stand	15	25	30	70 kg

ITEM NO.	SPECIFICATION	WEIGHT (T)	ELECTRIC CAPACITY (KW)
REMARKS			

Weight; Top - Gross shipping weight
 Bottom - Net weight

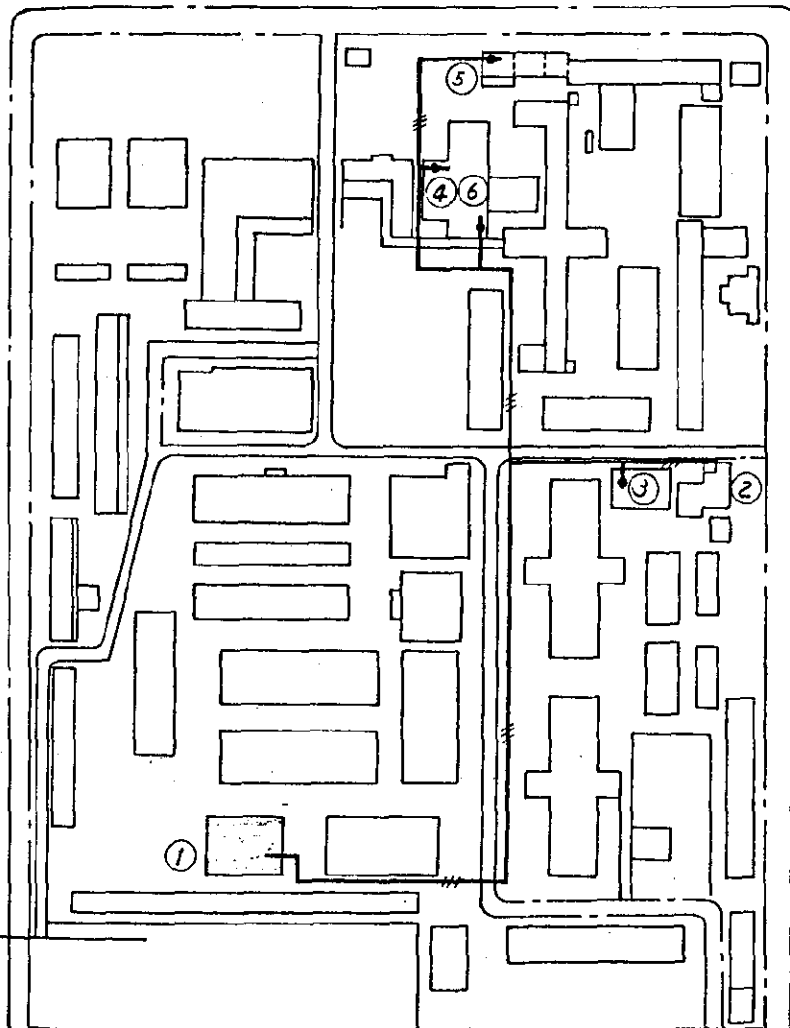
E2	Boiler-Outside Steam Piping	3/5	Name of Hospital	Gunung Wenang	1/3
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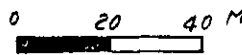
Item	Specification	Q,ty	Remarks
Steam pipe	15 A	5 m	Expansion bend to be installed at: 32 A 10 m pitch 40 15 50 20 65 25
	20	5	
	25	10	
	32	180	
	40	20	
	50	25	
	65	15	
Pressure reducing valve		1 set	3/4 x 1/2 1 3/4 x 3/4 3
			1 1/4 x 1/2 1 3/4 x 3/8 1
Support stand		1 set	Angle support (3500H) to be installed at 9m pitch.

Remarks: Total shipping weight 6.0t

EZ	Boiler-Outside Steam Piping	4/5	Name of Hospital	Ujung Pandang	2/3
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- (1) Boiler Plant
- (2) Kitchen
- (3) Laundry
- (4) Central Supply Room
- (5) Laboratory
- (6) Pharmacy

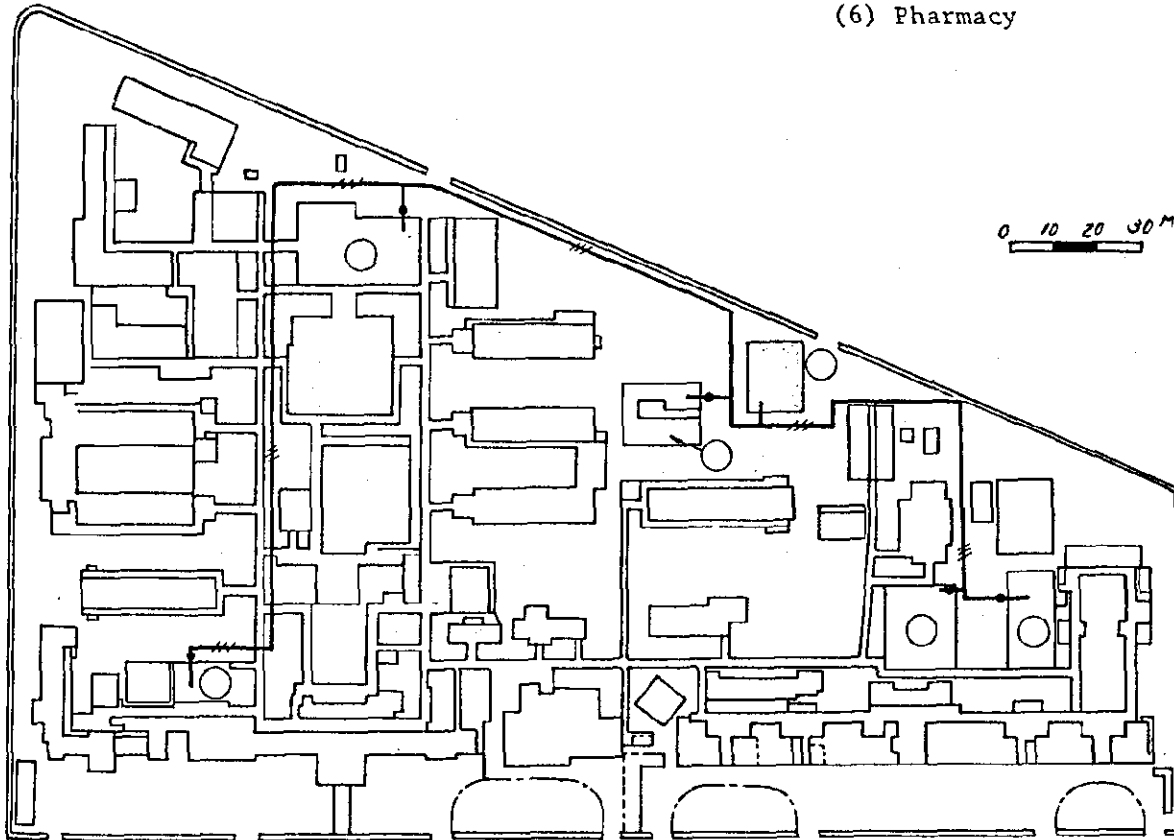


Item	Specification	Q,ty	Remarks
Steam pipe	15 A	5 m	Expansion bend to be installed at:
	20	5	
	25	10	
	32	85	
	40	95	
	50	30	
	65	165	
Pressure reducing valve		1 set	3/4 x 1/2 1 3/4 x 3/4 3
			1 1/4 x 1/2 1 3/4 x 3/8 1
Support stand		1 set	Angle support (3500H) to be installed at 9m pitch.

Remarks: Total shipping weight 8.5t

E2	Boiler-Outside Steam Piping	5/5	Name of Hospital	Medan	3/3
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- (1) Boiler Plant
- (2) Kitchen
- (3) Laundry
- (4) Central Supply Room
- (5) Laboratory
- (6) Pharmacy



Item	Specification	Q,ty	Remarks	
Steam pipe	15 A	5 m	Expansion bend to be installed at:	
	20	5		32 A 10 m pitch
	25	10		40 15
	32	25		50 20
	40	320		65 25
	50	20		80 30
	65	120		
	80	10		
Pressure reducing valve		1 set	3/4 x 3/8 2 1 x 1 1 1 1/2 x 1 1/2 1 3/4 x 3/4 2	
Support stand		1 set	Angle support (3500H) to be installed at 9m pitch.	

Remarks: Total shipping weight 10t

5-3 Air conditioning unit

F	Air-Conditioning Unit	1/2	EQUIPMENT LIST	1/1
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NAME	Window-type Air-conditioning Unit
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TECHNICAL DATA

° Construction: This unit shall consist of a refrigerator, air-cooled radiator, and air conditioner (air filter, evaporator and fan) assembled in a package. The unit shall be so constructed that it will perform its functions when power is supplied. It shall be equipped with a mechanism to control the volume of air as well as an automatic temperature control.

ITEM NO.	SPECIFICATION	WEIGHT. (T)	ELECTRIC CAPACITY (KW)
(common)	Cooling capacity more than 5,400 Kcal/Hr Power supply 1 ϕ or 3 ϕ 220V Compressor 2.2 kw Fan 0.2 kw	$\frac{0.15}{0.1}$	2.4
REMARKS			

Weight; Top - Gross shipping weight
 Bottom - Net weight

F.	Air-Conditioning Unit	2/2	Equipment List by Group Code
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Group Code	Name of Hospital	No. of Units to be Installed							Total Electric Capacity kw	Total Weight (Shipping t)	Remarks
		Operation Room	X-Ray Room	Cobalt Room	Laboratory	Delivery Room	ICU Room	Total			
C - (1)	Common to D Class	0	0	0	1	0	0	1	2.4	0.15	
C - (2)	Common to D ⁺ Class	1	1	0	1	0	0	3	7.2	0.45	
C - (3)	Common to C Class	1	1	0	2	0	0	4	9.6	0.6	
C - (4)	Pematang Siantar	2	1	0	3	1	1	8	19.2	1.2	
C - (5)	Gunung Wenang	4	1	0	3	1	1	10	24.0	1.5	
C - (6)	Ujung Pandang	3	2	0	4	1	1	11	26.4	1.65	
C - (7)	Medan	3	2	1	4	1	1	12	28.8	1.8	

5-9 Water facilities-Running cost

WATER SUPPLY FACILITIES RUNNING COST		1/6	GROUP NUMBER	0
ITEM	CALCULATION OF ANNUAL CONSUMPTION	UNIT PRICE	RUNNING COST (10 ³ RP/year)	
Water	$50 \text{ beds} \times 0.3 \text{ M}^3/\text{beds/day}$ $\times 365 \text{ days/year} = 5,475 \text{ M}^3/\text{year}$	50 RP/M ³	274	
Oil (incinerator)		25 RP/l	-	
Kerosene (Kitchen)	$3 \text{ l/Hr.} \times 4 \times \text{Hr./days}$ $\times 0.4 \times 365 \text{ days/year} = 7,008$	30 RP/l	210	
Total			485	

WATER SUPPLY FACILITIES RUNNING COST	2/6	GROUP NUMBER	0
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ITEM	CALUCULATION OF ANNUAL CONSUMPTION	UNIT PRICE	RUNNING COST (10 ³ RP/year)
Water	100 beds x 0.3M ³ /bed, days x 365 days/year = 10,950 M3/year	50 RP/M ³	548
Oil (incine- rator)	13.2 ℓ/Hr. x 1 Hr./day x 365 days/year = 4,818 ℓ/year	25 RP/ℓ	120
Kerosene (Kitchen)	3 ℓ/Hr. x 5 x 4 Hr/days x 0.6 x 365 days/year = 13,140 ℓ/year	30 RP/ℓ	394
Total			1,062

WATER SUPPLY FACILITIES RUNNING COST	4/6	GROUP NUMBER	III
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ITEM	CALCULATION OF ANNUAL CONSUMPTION	UNIT PRICE	RUNNING COST (10 ³ RP/year)
Water	$300 \text{ beds} \times 0.5 \text{ M}^3/\text{beds, days}$ $\times 365 \text{ days/year} = 54,750 \text{ M}^3/\text{year}$	50 RP/M ³	2,738
Oil (incinerator)	$24.6 \text{ l/Hr.} \times 1 \text{ Hr./day}$ $\times 365 \text{ days/year} = 8,979 \text{ l/year}$	25 RP/l	224
Kerosene (Kitchen)	$3 \text{ l/Hr.} \times 9 \times 4 \text{ Hr./days}$ $\times 0.6 \times 365 \text{ days/year} = 23,652 \text{ l/year}$	30 RP/l	710
Total			3,672

WATER SUPPLY FACILITIES RUNNING COST	5/6	GROUP NUMBER	IV
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ITEM	CALUCULATION OF ANNUAL CONSUMPTION	UNIT PRICE	RUNNING COST (10 ³ RP/year)
Water	$400 \text{ beds} \times 0.5 \text{M}^3/\text{beds, day}$ $\times 365 \text{ days/year} = 73,000 \text{M}^3/\text{year}$	50 RP/M ³	3,650
Oil (Incinerator)	<p>(Incinerator)</p> $24.6 \text{ l/Hr.} \times 1 \text{ Hrs/day} \times 365 \text{ days/year}$ $= 8,979 \text{ l/year}$ <p>(Boiler)</p> $56 \text{ l/Hr.} \times 2 \text{ cans} \times 8 \text{ Hr./days}$ $\times 0.7 \times 365 \text{ days/year} = 228,928 \text{ l/year}$ <p>(Total)</p> $8,979 + 228,928 = 237,907 \text{ l/year}$	25 RP/l	5,948
Kerosene (Kitchen)	-	30 RP/l	-
Total			9,598

WATER SUPPLY FACILITIES RUNNING COST	6/6	GROUP NUMBER	0
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ITEM	CALUCULATION OF ANNUAL CONSUMPTION	UNIT PRICE	RUNNING COST (10 ³ RP/year)
Water	$600 \text{ beds} \times 0.5 \text{M}^3/\text{bed, day}$ $\times 365 \text{ days/year} = 109,500 \text{M}^3/\text{year}$	50 RP/M ³	5,475
Oil (incinerator)	<p>(Incinerator)</p> $49.2 \text{ l/Hr.} \times 1 \text{ Hr./day} \times 365 \text{ days/year}$ $= 17,958 \text{ l/year}$ <p>(Boiler)</p> $72 \text{ l/Hr.} \times 2 \text{ can} \times 8 \text{ Hr./day}$ $\times 0.7 \times 365 \text{ days/year} = 294,336 \text{ l/year}$ <p>(Total)</p> $17,958 + 294,336 = 312,294 \text{ l/year}$	25 RP/l	7,807
Kerosene (Kitchen)	-	30 RP/l	-
Total			13,282

6 AMENDMENT

1. Cost Estimation of Project

(unit: 1 thousand yen)

Medical equipment		1,505,204
Laboratory equipment		204,621
Electrical facilities and workshop		1,101,419
Water supply facilities and others		449,800
Sub-total		3,261,044
Freight and Insurance	x 0.06	195,663
Training	x 0.05	163,053
Contingency	x 0.05	163,053
Sub-total		521,769
Total		3,782,813

2. Cost for Each Hospital by Sector

Unit: thousand yen

		Medical equipment	Laboratory equipment	Electricity facilities and work shop	Water supply facilities and others	Total
North Sulawesi	Gunung Wenang	157,578	23,161	164,540	101,500	446,779
	Tondano	63,010	7,820	23,036	800	94,666
	Ketamubagu	63,010	7,820	17,288	800	88,918
	Corontalo	63,010	7,820	18,002	5,700	94,532
	Kendage	42,188	5,684	16,680	600	65,152
	Sub-total	388,796	52,305	239,546	109,400	790,047
South Sulawesi	Vjung Pandang	163,073	23,161	136,560	115,700	438,494
	Pare-pare	62,758	7,454	24,767	4,600	99,579
	Palopo	42,188	5,684	17,753	4,400	70,025
	Soppeng	42,188	5,343	93,218	8,400	149,149
	Tenriawaru	42,188	5,684	94,812	8,200	150,884
	Elim Rantepao	30,596	5,684	19,119	4,400	59,799
	Bantaeng	30,596	5,064	90,764	4,000	130,424
	Sub-total	413,587	58,074	476,993	149,700	1,098,354
North Sumatera	Bledau	300,593	34,288	160,395	136,100	631,376
	Pematang Siantar	117,266	20,415	92,041	24,600	254,322
	Tarutung	69,628	7,579	32,373	5,500	115,080
	Kisaran	62,758	9,565	21,928	4,600	98,851
	Rantau Prapat	42,188	5,563	21,831	9,700	79,282
	Tebing Tinggi	42,188	5,464	18,696	800	67,148
	Tanjung Balai	37,604	5,684	16,436	200	59,924
	Porsea	30,596	5,684	21,180	9,200	66,660
	Sub-total	702,821	94,242	384,880	190,700	1,372,643
Total		1,505,204	204,621	1,101,419	449,800	3,261,044

3. Amendment

1) Medical equipment

- (1) To alter content of the equipment according to the scale of hospitals.

2) Laboratory equipment

- (1) To omitt multipurpose semiautomatic analyzer.
- (2) To omitt laboratory desk, medicine and instrument selves, sinks and work benches.
- (3) To reduce the amount of glassware, reagent and other consumables to half.

3) Electrical facilities and workshop

- (1) To install electric generators at the provincial hospitals mentioned below.

1. Gunung Wenang hospital
2. Ujung Pandang hospital
3. Medan hospital
4. Pematang Siantar hospital

And, three D class hospitals mentioned below, to which electric power is not expected to be supplied in daytime due to electric power supply schedule of PLN.

1. Soppeng hospital
2. Tenwiwaru hospital
3. Bantaeng hospital

The others hospitals are necessary to install switchboards.

- (2) To reduce the room of the total extension of mainline for hospital from 30 percent to 10 percent.
- (3) To omitt the electrical work tools except the followings, as to workshop.

1. Winder	3,000 kg
2. Fasthener	250 kg
3. ditto	500 kg
4. ditto	1,000 kg
5. ditto	1,500 kg
6. Auxiliary wire gripper	3rd type
7. ditto	4th type
8. ditto	5th type

4) Water supply and others

- (1) To change the method of water supply system from water tower method to tankless direct pumping method.
 - (2) To give up the improvement of kitchen facilities in C and D classes hospitals.
 - (3) To give up the improvement of laundry facilities in C and D classes hospitals.
 - (4) To give up installation of solid disposal facilities in all hospitals.
- 5) To change the cost of Freight and Insurance from 10 percent to 6 percent of the cost of equipment and facilities.
 - 6) To change the cost of contingency from 10 percent to 5 percent of the cost of equipment and facilities.

4 Medical Equipment

A. Operating Theater

Name of Hospital	Item No.	1	2	3	4	5	6	7	8	9	10	11	12	13
Ujung Pandang			4	2	2	2	2	2	2	1	6	6	4	4
Medan			4	2	2	2	2	2	2	1	6	6	4	4
Gunung Wenang			4	2	2	1	1	2	2	1	5	5	4	4
Pematang Siantar			2	2	2	1	1	2	2	1	5	5	4	4
Tondano			1	1	1	1	1	1	1		4	4	3	3
Kotamobagu			1	1	1	1	1	1	1		4	4	3	3
Gorontalo			1	1	1	1	1	1	1		4	4	3	3
Pare-Pare			1	1	1	1	1	1	1		4	4	3	3
Tartung			1	1	1	1	1	1	1		4	4	3	3
Kisaran			1	1	1	1	1	1	1		4	4	3	3
Liun Kendage			1	1	1	1			1		3	3	2	2
Watampone			1	1	1	1			1		3	3	2	2
Soppeng			1	1	1	1			1		3	3	2	2
Palopo			1	1	1	1			1		3	3	2	2
Tebing Tinggi			1	1	1	1			1		3	3	2	2
Rantan Prapat			1	1	1	1			1		3	3	2	2
Elim Rantepao			1	1	1	1			1		2	2	1	1
Bantaeng			1	1	1	1			1		2	2	1	1
Porsca			1	1	1	1			1		2	2	1	1
Tanjung Balai			1	1	1	1			1		2	2	1	1

B. Anesthesia

Name of Hospital	Item No.	1	2	3	4	5	6	7	8
Ujung Pandang		2	2	2	2	3	6	3	1
Medan		2	2	2	2	3	6	3	1
Gunung Wenang		2	2	2	2	3	6	3	1
Pematang Siantar		1	1	1	1	2	4	2	1
Tondano		1				1	2	1	1
Kotamobagu		1				1	2	1	1
Gorontalo		1				1	2	1	1
Pare-Pare		1				1	2	1	1
Tartung		1				1	2	1	1
Kisaran		1				1	2	1	1
Liun Kendage		1					2	1	
Watampone		1					2	1	
Soppeng		1						1	
Palopo		1					2	1	
Tebing Tinggi		1						1	
Rantan Prapat		1					2	1	
Elim Rantepao		1						1	
Bantaeng		1						1	
Porsea		1						1	
Tanjung Balai		1						1	

C. ICU and Recovery Room

Name of Hospital	Item No.	1	2	3	4	5	6	7	8	9	10
Ujung Pandang	1			2	1	1	2	2	2	10	1
Medan	1	1	1	2	1	1	2	2	2	10	1
Gunung Wenang	1	1	1	2	1	1	2	2	2	10	1
Pematang Siantar	1			2	1	1	2	2	2	10	1
Tondano	1			1	1	1	1	1	1	5	1
Kotamobagu	1			1	1	1	1	1	1	5	1
Gorontalo	1			1	1	1	1	1	1	5	1
Pare-Pare	1			1	1	1	1	1	1	5	1
Tartung	1			1	1	1	1	1	1	5	1
Kisaran	1			1	1	1	1	1	1	5	1
Liun Kendage				1			1	1	1	3	1
Watampone				1			1	1	1	3	1
Soppeng				1			1	1	1	3	1
Palopo				1			1	1	1	3	1
Tebing Tinggi				1			1	1	1	3	1
Rantan Prapst				1			1	1	1	3	1
Elim Rantepao				1			1	1	1	2	
Bantaeng				1			1	1	1	2	
Porsea				1			1	1	1	2	
Tanjung Balai				1			1	1	1	2	

D. Surgical Equipment

Name of Hospital	Item No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Ujung Pandang		1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Medan		1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Gunung Wenang		1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Pematang Siantar		1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Tondano		1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Kotamobagu		1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Gorontalo		1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Pare-Pare		1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Tartung		1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Kisaran		1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Liun Kendage		1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Watampone		1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Soppeng		1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Palopo		1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Tebing Tinggi		1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Rantan Prapat		1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Elim Rante-pao		1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Bantueng		1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Porsea		1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Tanjung Balai		1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	

E. Central Supply

Name of Hospital	Item No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Ujung Pandang		5	2	1	1				10	30	7	50	10	15	4	1	1	1	3
Medan		10	3	1	1				10	50	7	50	10	15	4	1	1	1	3
Gunung Wenang		5	2	1	1				10	30	7	50	10	15	4	1	1	1	3
Pematang Siantar	3	2						4	20	5	50	5	15	3	1			1	1
Tondano	2	2						4	10	3	30	3	10	3	1			1	1
Kotamobagu	2	2						4	10	3	30	3	10	3	1			1	1
Gorontalo	2	2						4	10	3	30	3	10	3	1			1	1
Pare-Pare	2	2						4	10	3	30	3	10	3	1			1	1
Tartung	2	2						4	10	3	30	3	10	3	1			1	1
Kisaran	2	2						4	10	3	30	3	10	3	1			1	1
Liun Kendage	1	1						2	5	2	15	1	5	3	1			1	1
Watampone	1	1						2	5	2	15	1	5	3	1			1	1
Soppeng	1	1						2	5	2	15	1	5	3	1			1	1
Palopo	1	1						2	5	2	15	1	5	3	1			1	1
Tebing Tinggi	1	1						2	5	2	15	1	5	3	1			1	1
Rantan Prapat	1	1						2	5	2	15	1	5	3	1			1	1
Elim Rantepao	1	1						2	5	2	15	1	5	3	1			1	1
Bantaeng	1	1						2	5	2	15	1	5	3	1			1	1
Porsea	1	1						2	5	2	15	1	5	3	1			1	1
Tanjung Balai	1	1						2	5	2	15	1	5	3	1			1	1

F. Injection Syringes and Needles

Name of Hospital	Item No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Ujung Pandang	840	840	840	840	280	280	100	50	50	1000	500	100	100	300	50	100	
Medan	840	840	840	280	280	100	50	50	1000	500	100	100	300	50	100		
Gunung Wenang	600	600	800	600	200	200	80	40	40	1000	500	100	100	300	50	100	
Pematang Siantar	480	480	480	160	160	60	30	20	800	400	50	80	300	50	100		
Tondano	300	300	300	300	100	100	40	20	10	500	250	30	50	200	30	50	
Kotamobagu	300	300	300	300	100	100	40	20	10	500	250	30	50	200	30	50	
Corontalo	300	300	300	300	100	100	40	20	10	500	250	30	50	200	30	50	
Pare-Pare	180	180	180	180	60	60	20	10	5	500	250	30	50	200	30	50	
Tartung	300	300	300	300	100	100	40	20	10	500	250	30	50	200	30	50	
Kisaran	180	180	180	180	60	60	20	10	5	500	250	30	50	200	30	50	
Ljun Kendage	180	180	180	180	60	60	20	10	5	300	150	30	50	200	20	50	
Watampone	180	180	180	180	60	60	20	10	5	300	150	30	50	200	20	50	
Soppeng	180	180	180	180	60	60	20	10	5	300	150	30	50	200	20	50	
Palopo	180	180	180	180	60	60	20	10	5	300	150	30	50	200	20	50	
Tebing Tinggi	180	180	180	180	60	60	20	10	5	300	150	30	50	200	20	50	
Rantan Prapat	180	180	180	180	60	60	20	10	5	300	150	30	50	200	20	50	
Elim Rantepao	180	180	180	180	60	60	20	10	5	100	50	30	20	100	20	25	
Bantaeng	180	180	180	180	60	60	20	10	5	100	50	30	20	100	20	25	
Porsea	180	180	180	180	60	60	20	10	5	100	50	30	20	100	20	25	
Tanjung Balai	180	180	180	180	60	60	20	10	5	100	50	30	20	100	20	25	

G. Outpatient Clinic

Name of Hospital	Item No.	1 2 3 4			
		1	2	3	4
Ujung Pandang		20	5	5	10
Medan		20	5	5	10
Gunung Wenang		20	5	5	10
Pematang Siantar		10	3	2	5
Tondano		5	2	1	3
Kotamobagu		5	2	1	3
Gorontalo		5	2	1	3
Pare-Pare		5	2	1	3
Tartung		5	2	1	3
Kisaran		5	2	1	3
Liun Kendage		3	1	1	3
Matampane		3	1	1	3
Soppeng		3	1	1	3
Palopo		3	1	1	3
Tebing Tinggi		3	1	1	3
Rantan Prapat		3	1	1	3
Elim Rantepao		3	1	1	2
Bantaeng		3	1	1	2
Porsea		3	1	1	2
Tanjung Balai		3	1	1	2

H. Obstetrics & Cynecology

Name of Hospital	Item No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Ujung Pandang		2	2	2	1	2	2	2	5	1	2	2	1	1	1	2
Medan		2	2	2	1	2	2	2	5	1	2	2	1	1	1	2
Gunung Wenang		2	2	2	1	2	2	2	5	1	2	2	1	1	1	2
Pematang Siantar		1	1	1	1	1	1	1	5	1	1	1	1	1	1	2
Tondano		1	1	1	1	1	1	1	3	1	1	1	1	1	1	1
Kotamobagu		1	1	1	1	1	1	1	3	1	1	1	1	1	1	1
Gorontalo		1	1	1	1	1	1	1	3	1	1	1	1	1	1	1
Pare-Pare		1	1	1	1	1	1	1	3	1	1	1	1	1	1	1
Tartung		1	1	1	1	1	1	1	3	1	1	1	1	1	1	1
Kisaran		1	1	1	1	1	1	1	3	1	1	1	1	1	1	1
Liun Kendage		1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
Watanpone		1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
Soppeng		1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
Palopo		1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
Tebing Tinggi		1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
Rantan Prapat		1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
Elim Ranteapao		1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
Bantaeng		1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
Porsea		1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
Tanjung Balai		1	1	1	1	1	1	1	2	1	1	1	1	1	1	1

I. ENT

Name of Hospital	Item No.	1	2	3	4
Ujung Pandang		1			1
Medan		1	1		1
Gunung Wenang		1		1	1
Pematang Siantar		1		1	1
Tondano					
Kotamobagu					
Gorontalo					
Pare-Pare					
Tartung					
Kisaran					
Liun Kendage					
Matampone					
Soppeng					
Palopo					
Tebing Tinggi					
Rantan Prapat					
Elim Rantepao					
Bantaeng					
Porsea					
Tanjung Balai					

J. Ophtalmology

Name of Hospital	Item No.	1	2	3	4	5	6	7
Ujung Pandang								
Medan								
Gunung Wenang	1	20	1	1	1	1	1	1
Pematang Siantar	1	20	1	1	1	1	1	1
Tondano								
Kotamobagu								
Gorontalo								
Pare-Pare								
Tartung								
Kisaran								
Liun Kendage								
Watampone								
Soppeng								
Palopo								
Tebing Tinggi								
Rantan Prapat								
Elim Rantepao								
Bantaeng								
Porsea								
Tanjung Balai								

K. Pediatrics

Name of Hospital	Item No.	1	2	3	4	5	6
Ujung Pandang		3	2	200	5	1	30
Medan		3	2	200	5	1	30
Gunung Wenang		3	2	200	5	1	30
Pematang Siantar		2	1	150	4	1	30
Tondano		1	1	100	3	1	20
Kotamobagu		1	1	100	3	1	20
Corontalo		1	1	100	3	1	20
Pare-Pare		1	1	100	3	1	20
Tartung		1	1	100	3	1	20
Kisaran		1	1	100	3	1	20
Liun Kendage		1	1	100	2	2	20
Watampone		1	1	100	2	2	20
Soppeng		1	1	100	2	2	20
Palopo		1	1	100	2	2	20
Tebing Tinggi		1	1	100	2	2	20
Rantan Prapat		1	1	100	2	2	20
Elim Rantepao		1	1	50	1	10	
Bantaeng		1	1	50	1	10	
Porsea		1	1	50	1	10	
Tanjung Balai		1	1	50	1	10	

L. Urology

Name of Hospital	Item No.	1	2	3	4
Ujung Pandang	1	1	1	10	10
Medan	1	1	1	10	10
Gunung Wenang	1	1	1	10	10
Pematang Siantar	1	1	1	10	10
Tondano					
Kotamobagu					
Gorontalo					
Pare-Pare					
Tartung					
Kisaran					
Liun Kendage					
Watampone					
Soppeng					
Palopo					
Tebing Tinggi					
Rantan Prapat					
Elim Rantepao					
Bantaeng					
Porsea					
Tanjung Balai					

M. Internal Medicine

Name of Hospital	Item No.														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Ujung Pandang		1		1	3	1	1	1	1	1		1	1	1	1
Medan	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1
Gunung Wenang					3		1	1	1	1		1	1	1	1
Pematang Siantar	1	1	1		1		1	1	1	1		1	1	1	1
Tondano													1		
Kotamobagu													1		
Gorontalo													1		
Pare-Pare													1		
Tartung							1	1	1	1			1	1	1
Kisaran													1		
Liun Kendage													1		
Watampone													1		
Soppeng													1		
Palopo													1		
Tebing Tinggi													1		
Rantan Prapat													1		
Elim Rantepao													1		
Bantaeng													1		
Porsea													1		
Tanjung Balai													1		

N. Physiotherapy

Name of Hospital	Item No.	1	2	3	4
Ujung Pandang		1	1	1	1
Medan		1	1	1	1
Gunung Wenang		1	1	1	1
Pematang Siantar		1	1	1	1
Tondano					
Kotamobagu					
Corontalo					
Pare-Pare					
Tartung					
Kisaran					
Liun Kendage					
Watampone					
Soppeng					
Palopo					
Tebing Tinggi					
Rantan Prapat					
Elim Rantepao					
Bantaeng					
Porsca					
Tanjung Balai					

0. Dental Instrument & Dental X-ray

Name of Hospital	Item No.	1	2	3	4	5	6	7	8
Ujung Pandang		1	1	1		1	1		
Medan		3	3	3		1	1		
Gunung Wenang		1	1	1		1	1		
Pematang Siantar		1	1	1		1	1		
Tondano		1	1	1		1			
Kotamobagu		1	1	1		1			
Gorontalo		1	1	1		1			
Pare-Pare		1	1	1		1			
Tartung		1	1	1		1			
Kisaran		1	1	1		1			
Lilun Kendage		1	1	1					
Watampone		1	1	1					
Soppeng		1	1	1					
Palopo		1	1	1					
Tebing Tinggi		1	1	1					
Rantan Prapat		1	1	1					
Elim Rantepao									
Bantaeng									
Porsea									
Tanjung Balai		1	1	1					

P. X-ray Apparatus, Processing Apparatus and Co 60

Name of Hospital	Item No.	1	2	3	4	5	6	7	8	9
Ujung Pandang	1	1					1	1	1	
Medan	1	1				1	1	1		1
Gunung Wenang	1	1				1	1	1		
Pematang Siantar	1	1				1	1	1		
Tondano	1	1						1		
Kotamobagu	1	1						1		
Corontalo	1	1						1		
Pare-Pare	1	1						1		
Tartung	1	1						1		
Kisaran	1	1						1		
Liun Kendage	1		1					1		
Watampone	1		1					1		
Soppeng	1		1					1		
Palopo	1		1					1		
Tebing Tinggi	1		1					1		
Rantan Prapat	1		1					1		
Elim Rantepao	1		1					1		
Bantaeng	1		1					1		
Porsea	1		1					1		
Tanjung Balai	1		1					1		

Q. Nursing

Name of Hospital	Item No.	1	2	3	4	5	6	7	8	9	10	11	12	
Ujung Pandang	800	2	5	2	5	5	5	5	5	10	20	10	5	20
Medan		2	5	3	8	8	5	5	5	20	30	15	7	30
Gunung Wenang	800	2	5	2	5	5	5	5	5	10	20	10	5	20
Pematang Slantar	400	2	5	1	3	4	5	5	5	7	10	5	3	10
Tondano	200	1	2	1	2	3	2	2	2	5	8	4	2	8
Kotamobagu	200	1	2	1	2	3	2	2	2	5	8	4	2	8
Gorontalo	200	1	2	1	2	3	2	2	2	5	8	4	2	8
Pare-Pare	200	1	2	1	2	3	2	2	2	5	8	4	2	8
Tartung	400	1	2	1	2	3	2	2	2	5	8	4	2	8
Kisaran	200	1	2	1	2	3	2	2	2	5	8	4	2	8
Liun Kendage	100	1	1	1	1	2	1	1	1	3	5	2	1	5
Watampone	100	1	1	1	1	2	1	1	1	3	5	2	1	5
Soppeng	100	1	1	1	1	2	1	1	1	3	5	2	1	5
Palopo	100	1	1	1	1	2	1	1	1	3	5	2	1	5
Tebing Tinggi	100	1	1	1	1	2	1	1	1	3	5	2	1	5
Rantan Prapat	100	1	1	1	1	2	1	1	1	3	5	2	1	5
Elim Rantepao	50	1	1	1	1	1	1	1	1	2	3	1	1	3
Bantaeng	50	1	1	1	1	1	1	1	1	2	3	1	1	3
Porsea	50	1	1	1	1	1	1	1	1	2	3	1	1	3
Tanjung Balai	50	1	1	1	1	1	1	1	1	2	3	1	1	3

R. Pharmacy

Name of Hospital	Item No.									
	1	2	3	4	5	6	7	8	9	10
Ujung Pandang	1	1	1			1	1			10
Medan	1	1	1			2	1			10
Gunung Wenang	1	1	1			1	1			10
Pematang Siantar				1	1	1	1			5
Tondano				1	1	1				4
Kotamobagu				1	1	1				4
Corontalo				1	1	1				4
Pare-Pare				1	1	1				4
Tartung				1	1	1				4
Kisaran				1	1	1				4
Liu Kendage				1	1	1		1	1	3
Watampone				1	1	1		1	1	3
Soppeng				1	1	1		1	1	3
Palopo				1	1	1		1	1	3
Tebing Tinggi				1	1	1		1	1	3
Rantan Prapat				1	1	1		1	1	3
Elim Rantepao				1	1	1		1	1	3
Bantaeng				1	1	1		1	1	3
Porsea				1	1	1		1	1	3
Tanjung Balai				1	1	1		1	1	3

S. Medical Electronics

Name of Hospital	Item No.	1	2	3	4
Ujung Pandang		1	1	1	1
Medan		1	1	1	1
Cunung Wenang					
Pematang Siantar					
Tondano					
Kotamobagu					
Gorontalo					
Pare-Pare					
Tartung					
Kisaran					
Liun Kendage					
Watampone					
Soppeng					
Palopo					
Tebing Tinggi					
Rantan Prapat					
Elim Rantepao					
Bantaeng					
Porsea					
Tanjung Balai					

T. Medical Education

Name of Hospital	Item No.	1	2	3	4	5	6	7	8
Ujung Pandang									
Medan									
Cunung Wenang									
Pematang Siantar									
Tondano									
Kotamobagu									
Gorontalo									
Pare-Pare									
Tartung									
Kisaran									
Liun Kendage									
Watampone									
Soppeng									
Palopo									
Tebing Tinggi									
Rantan Prapat									
Elim Rantepao									
Bantaeng									
Porsea									
Tanjung Balai									

U. Miscellaneous

Name of Hospital	Item No.	1	2
Ujung Pandang		1	1
Medan		1	1
Gunung Wenang		1	1
Pematang Siantar		1	1
Tondano		1	1
Kotamobagu		1	1
Gorontalo		1	1
Pare-Pare		1	1
Tartung		1	1
Kisaran		1	1
Liun Kendage		1	1
Watampone		1	1
Soppeng		1	1
Palopo		1	1
Tebing Tinggi		1	1
Rantan Prapat		1	1
Elim Rantepao		1	1
Bantaeng		1	1
Porsea		1	1
Tanjung Balai		1	1

5. Electrical Facilities and Workshop

(1) Cost for Electrical Facilities and Workshop

Unit: thousand yen

	Installation of generator electric	Installation of switchboard	Main line construction	Equipments for workshop	Maintenance for generator	Total
Gunung Wenang	73,000	-	71,140	14,900	5,500	164,540
Tondano	0	4,000	18,631	405	0	23,036
Kotamobagu	0	4,000	12,883	405	0	17,288
Gorontalo	0	4,000	13,597	405	0	18,002
Lim Kendags	0	3,400	12,875	405	0	16,680
Sub-total	73,000	15,400	129,126	16,520	5,500	239,546
Ujung pandang	73,000	-	43,160	14,900	5,500	136,560
Watam pono	71,950	-	16,957	405	5,500	94,812
Sopping	71,950	-	15,363	405	5,500	93,218
Parepare	0	4,000	20,362	405	0	24,767
Elim Rantpao	0	3,700	15,014	405	0	19,119
Palopo	0	3,700	13,648	405	0	17,753
Bantaeng	71,950	-	12,909	405	5,500	90,764
Sub-total	288,850	11,400	137,413	17,330	22,000	476,993
Medan	73,000	-	66,995	14,900	5,500	160,395
Tartung	0	4,000	27,968	405	0	32,373
Porsea	0	3,700	17,075	405	0	21,180
Sianter	53,950	-	32,186	405	5,500	92,041
T. Tinggi	0	3,400	14,891	405	0	18,696
Tanzun Bali	0	3,400	12,631	405	0	16,436
Kisaran	0	4,000	17,523	405	0	21,928
Rantanprapnt	0	3,700	17,726	405	0	21,831
Sub-total	126,950	22,200	206,995	17,735	11,000	384,880
	488,800	49,000	473,534	51,585	38,500	1,101,419

(2) Items modified

Note: o shows Items to be modified.

	Omission of generator	Installation of switchboard	Reduction of room for total extension of mainline	Reduction of tools in workshop	Reduction of maintenance cost for generator	
Gunung Wenang			o	o		
Tondano	o	o	o	o	o	
Kotamobagu	o	o	o	o	o	
Gorontalo	o	o	o	o	o	
Limkendage	o	o	o	o	o	
Ujung Pandang			o	o		
Watampone			o	o		
Sopping			o	o		
Pare Pare	o	o	o	o	o	
Elim Ramtpao	o	o	o	o	o	No electric power supplied in daytime. Necessary to confirm the future plan.
Palopo	o	o	o	o	o	No electric power supplied in daytime. Necessary to confirm the future plan.
Bantaeng			o	o		
Medan			o	o		
Tartung	o	o	o	o	o	
Porsea	o	o	o	o	o	No electric power supplied in daytime. Necessary to confirm the future plan.
Sianter			o	o		
T. Tinggi	o	o	o	o	o	
Tungun Bali	o	o	o	o	o	
Kisaran	o	o	o	o	o	
Rantanprapat	o	o	o	o	o	No electric power supplied. Necessary to confirm the future plan.

6 Water supply facilities and others

WATER SUPPLY FACILITIES AND OTHERS		1/20	NAME OF HOSPITAL	Gunung Wenang		CLASS	B
ITEM	GROUP MARK	SPACE OF BUILDING (M ²)	WEIGHT (T)	PRICE		REMARKS	
				FOREIGN EXCHANGE (10 ³ yen)	LOCAL CURRENCY (10 ³ RP)		
A1. Water supply equipment	-	-	-	-	-		
Water treatment equipment	-	-	-	-	-		
A2. Outside water pipes	-	-	-	-	-		
B. Kitchen	K - IV	392	12.5	22,900	-		
C. Laundry	L - IV	196	8.9	17,900	-		
D. Solid disposal	-	-	-	-	-		
E1. Boiler plant	B - IV	168	29.5	51,000	-		
E2. Outside steam pipes		-	6.0	7,500	-		
F. Air cooler	C - ⑤	-	1.7	2,200	-		
Total			58.6	101,500	-		

WATER SUPPLY FACILITIES AND OTHERS	2/20	NAME OF HOSPITAL	Tondano	CLASS	C
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ITEM	GROUP MARK	SPACE OF BUILD- ING (M ²)	WEIGHT (T)	PRICE		REMARKS
				FOREIGN EXCHANGE (10 ³ yen)	LOCAL CURRENCY (10 ³ RP)	
A1. Water supply equipment	-	-	-	-	-	
A2. Water treat- ment equipment	-	-	-	-	-	
A2. Outside water pipes	-	-	-	-	1,900	
B. Kitchen	-	-	-	-	-	
C. Laundry	-	-	-	-	-	
D. Solid disposal	-	-	-	-	-	
E1. Boiler plant	-	-	-	-	-	
E2. Outside steam pipes	-	-	-	-	-	
F. Air cooler	C - ③	-	0.6	800	-	
Total			0.6	800	1,900	

WATER SUPPLY FACILITIES AND OTHERS	3/20	NAME OF HOSPITAL	Kotamobagu	CLASS	C
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ITEM	GROUP MARK	SPACE OF BUILD- ING (M ²)	WEIGHT (T)	PRICE		REMARKS
				FOREIGN EXCHANGE (10 ³ yen)	LOCAL CURRENCY (10 ³ RP)	
A1. Water supply equipment	-	-	-	-	-	
Water treat- ment equipment	-	-	-	-	-	
A2. Outside water pipes	-	-	-	-	-	
B. Kitchen	-	-	-	-	-	
C. Laundry	-	-	-	-	-	
D. Solid disposal	-	-	-	-	-	
E1. Boiler plant	-	-	-	-	-	
E2. Outside steam pipes	-	-	-	-	-	
F. Air cooler	C - (3)	-	0.6	800	-	
Total			0.6	800	-	

WATER SUPPLY FACILITIES AND OTHERS	4/20	NAME OF HOSPITAL	Gorontalo	CLASS	C
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ITEM	GROUP MARK	SPACE OF BUILD- ING (M ²)	WEIGHT (T)	PRICE		REMARKS
				FOREIGN EXCHANGE (10 ³ yen)	LOCAL CURRENCY (10 ³ RP)	
A1. Water supply equipment Water treat- ment equipment	W-II-(b)-T	19.8	0.8	4,900	-	
A2. Outside water pipes		-	-	-	2,000	
B. Kitchen	-	-	-	-	-	
C. Laundry	-	-	-	-	-	
D. Solid disposal	-	-	-	-	-	
E1. Boiler plant	-	-	-	-	-	
E2. Outside steam pipes	-	-	-	-	-	
F. Air cooler	C - (3)	-	0.6	800	-	
Total			1.4	5,700	2,000	

WATER SUPPLY FACILITIES AND OTHERS	5/20	NAME OF HOSPITAL	Kiun Kendage	CLASS	D ⁺
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ITEM	GROUP MARK	SPACE OF BUILD- ING (M ²)	WEIGHT (T)	PRICE		REMARKS
				FOREIGN EXCHANGE (10 ³ yen)	LOCAL CURRENCY (10 ³ RP)	
A1. Water supply equipment	-	-	-	-	-	
Water treat- ment equipment	-	-	-	-	-	
A2. Outside water pipes	-	-	-	-	-	
B. Kitchen	-	-	-	-	-	
C. Laundry	-	-	-	-	-	
D. Solid disposal	-	-	-	-	-	
E1. Boiler plant	-	-	-	-	-	
E2. Outside steam pipes	-	-	-	-	-	
F. Air cooler	C - (2)	-	0.5	600	-	
Total			0.5	600	-	

WATER SUPPLY FACILITIES AND OTHERS	6/20	NAME OF HOSPITAL	Ujung Pandang	CLASS	A
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ITEM	GROUP MARK	SPACE OF BUILD- ING (M ²)	WEIGHT (T)	PRICE		REMARKS
				FOREIGN EXCHANGE (10 ³ yen)	LOCAL CURRENCY (10 ³ RP)	
A1. Water supply equipment Water treat- ment equipment	W - IV - T	38.5	4.6	9,700	30,000	
A2. Outside water pipes		-	-	-	7,100	
B. Kitchen	K - IV	392	12.5	22,900	-	
C. Laundry	L - IV	196	8.9	17,900	-	
D. Solid disposal	-	-	-	-	-	
E1. Boiler plant	B - IV	168	29.5	51,000	-	
E2. Outside steam pipes		-	8.5	12,000	-	
F. Air cooler	C - (6)	-	1.7	2,200	-	
Total			65.7	115,700	37,100	

WATER SUPPLY FACILITIES AND OTHERS	7/20	NAME OF HOSPITAL	Pare-Pare	CLASS	C
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ITEM	GROUP MARK	SPACE OF BUILDING (M ²)	WEIGHT (T)	PRICE		REMARKS
				FOREIGN EXCHANGE (10 ³ yen)	LOCAL CURRENCY (10 ³ RP)	
A1. Water supply equipment Water treatment equipment	W-I- (a) -T	19.8	0.8	3,800	4,500	
A2. Outside water pipes		-	-	-	2,700	
B. Kitchen	-	-	-	-	-	
C. Laundry	-	-	-	-	-	
D. Solid disposal	-	-	-	-	-	
E1. Boiler plant	-	-	-	-	-	
E2. Outside steam pipes	-	-	-	-	-	
F. Air cooler	C - (3)	-	0.6	800	-	
Total			1.4	4,600	7,200	

WATER SUPPLY FACILITIES AND OTHERS	8/20	NAME OF HOSPITAL	Palopo	CLASS	D ⁺
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ITEM	GROUP MARK	SPACE OF BUILD- ING (M ²)	WEIGHT (T)	PRICE		REMARKS
				FOREIGN EXCHANGE (10 ³ yen)	LOCAL CURRENCY (10 ³ RP)	
A1. Water supply equipment Water treat- ment equipment	W-I-(a)-T	19.8	0.8	3,800	4,500	
A2. Outside water pipes	-	-	-	-	1,800	
B. Kitchen	-	-	-	-	-	
C. Laundry	-	-	-	-	-	
D. Solid disposal	-	-	-	-	-	
E1. Boiler plant	-	-	-	-	-	
E2. Outside steam pipes	-	-	-	-	-	
F. Air cooler	C - (2)	-	0.5	600	-	
Total			1.3	4,400	6,300	

WATER SUPPLY FACILITIES AND OTHERS	9/20	NAME OF HOSPITAL	Soppeng	CLASS	D ⁺
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ITEM	GROUP MARK	SPACE OF BUILD- ING (M ²)	WEIGHT (T)	PRICE		REMARKS
				FOREIGN EXCHANGE (10 ³ yen)	LOCAL CURRENCY (10 ³ RP)	
A1. Water supply equipment	W-I-(a)-T	19.8	0.8	3,800	4,500	
Water treat- ment equipment			11.5	4,000		
A2. Outside water pipes	-	-	-	-	1,400	
B. Kitchen	-	-	-	-	-	
C. Laundry	-	-	-	-	-	
D. Solid disposal	-	-	-	-	-	
E1. Boiler plant	-	-	-	-	-	
E2. Outside steam pipes	-	-	-	-	-	
F. Air cooler	C - (2)	-	0.5	600	-	
Total			12.8	8,400	5,900	

WATER SUPPLY FACILITIES AND OTHERS	10/20	NAME OF HOSPITAL	Terriawaru	CLASS	D ⁺
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ITEM	GROUP MARK	SPACE OF BUILD- ING (M ²)	WEIGHT (T)	PRICE		REMARKS
				FOREIGN EXCHANGE (10 ³ yen)	LOCAL CURRENCY (10 ³ RP)	
A1. Water supply equipment	W-I (a) (b) -T	19.8	0.8	3,800		
Water treat- ment equipment		19.8	0.8	3,800		
A2. Outside water pipes		-	-	-	2,900	
B. Kitchen	-	-	-	-	-	
C. Laundry	-	-	-	-	-	
D. Solid disposal	-	-	-	-	-	
E1. Boiler plant	-	-	-	-	-	
E2. Outside steam pipes	-	-	-	-	-	
F. Air cooler	C - (2)	-	0.5	600	-	
Total			2.1	8,200	2,900	

WATER SUPPLY FACILITIES AND OTHERS	11/20	NAME OF HOSPITAL	Elim Rantepao	CLASS	D ⁺
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ITEM	GROUP MARK	SPACE OF BUILD- ING (M ²)	WEIGHT (T)	PRICE		REMARKS
				FOREIGN EXCHANGE (10 ³ yen)	LOCAL CURRENCY (10 ³ RP)	
A1. Water supply equipment Water treat- ment equipment	W-I-(a)-T	19.8	0.8	3,800	4,500	
A2. Outside water pipes		-	-	-	1,900	
B. Kitchen	-	-	-	-	-	
C. Laundry	-	-	-	-	-	
D. Solid disposal	-	-	-	-	-	
E1. Boiler plant	-	-	-	-	-	
E2. Outside steam pipes	-	-	-	-	-	
F. Air cooler	C - (2)	-	0.5	600	-	
Total			1.3	4,400	6,400	

WATER SUPPLY FACILITIES AND OTHERS	12/20	NAME OF HOSPITAL	Bantaeng	CLASS	D
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ITEM	GROUP MARK	SPACE OF BUILD- ING (M ²)	WEIGHT (T)	PRICE		REMARKS
				FOREIGN EXCHANGE (10 ³ yen)	LOCAL CURRENCY (10 ³ RP)	
A1. Water supply equipment Water treat- ment equipment	W-I-(b)-T	19.8	0.8	3,800	-	
A2. Outside water pipes		-	-	-	1,200	
B. Kitchen	-	-	-	-	-	
C. Laundry	-	-	-	-	-	
D. Solid disposal	-	-	-	-	-	
E1. Boiler plant	-	-	-	-	-	
E2. Outside steam pipes	-	-	-	-	-	
F. Air cooler	C - (1)	-	0.2	200	-	
Total			1.0	4,000	1,200	

WATER SUPPLY FACILITIES AND OTHERS	13/20	NAME OF HOSPITAL	Medan	CLASS	A
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ITEM	GROUP MARK	SPACE OF BUILD- ING (M ²)	WEIGHT (T)	PRICE		REMARKS
				FOREIGN EXCHANGE (10 ³ yen)	LOCAL CURRENCY (10 ³ RP)	
A1. Water supply equipment Water treat- ment equipment	W - V - T	38.5	4.9	10,800	45,000	
A2. Outside water pipes		-	-	-	8,100	
B. Kitchen	K - V	510	16.8	29,800	-	
C. Laundry	L - V	224	13.0	23.600	-	
D. Solid disposal	-	-	-	-	-	
E1. Boiler plant	B - V	168	32.9	55,000	-	
E2. Outside steam pipes		-	10.0	14,500	-	
F. Air cooler	C - ⑦	-	1.8	2,400	-	
Total			79.4	136,100	53,100	

WATER SUPPLY FACILITIES AND OTHERS	14/20	NAME OF HOSPITAL	Pematang Siantar	CLASS	B
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ITEM	GROUP MARK	SPACE OF BUILD- ING (M ²)	WEIGHT (T)	PRICE		REMARKS
				FOREIGN EXCHANGE (10 ³ yen)	LOCAL CURRENCY (10 ³ RP)	
A1. Water supply equipment Water treat- ment equipment	-	-	-	-	-	
A2. Outside water pipes		-	-	-	11,200	
B. Kitchen	K - III	336	8.0	12,000	-	
C. Laundry	L - III	143	5.7	11,000	-	
D. Solid disposal	-	-	-	-	-	
E1. Boiler plant	-	-	-	-	-	
E2. Outside steam pipes	-	-	-	-	-	
F. Air cooler	C - (4)	-	1.2	1,600	-	
Total			14.9	24,600	11,200	

WATER SUPPLY FACILITIES AND OTHERS	15/20	NAME OF HOSPITAL	Tartung	CLASS	C
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ITEM	GROUP MARK	SPACE OF BUILD- ING (M ²)	WEIGHT (T)	PRICE		REMARKS
				FOREIGN EXCHANGE (10 ³ yen)	LOCAL CURRENCY (10 ³ RP)	
A1. Water supply equipment Water treat- ment equipment	W-II-(a)-T	19.8	0.8	4,700	-	
A2. Outside water pipes		-	-	-	26,500	
B. Kitchen	-	-	-	-	-	
C. Laundry	-	-	-	-	-	
D. Solid disposal	-	-	-	-	-	
E1. Boiler plant	-	-	-	-	-	
E2. Outside steam pipes	-	-	-	-	-	
F. Air cooler	C - (3)	-	0.6	800	-	
Total			1.4	5,500	26,500	

WATER SUPPLY FACILITIES AND OTHERS	16/20	NAME OF HOSPITAL	Kisaran	CLASS	C
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ITEM	GROUP MARK	SPACE OF BUILD- ING (M ²)	WEIGHT (T)	PRICE		REMARKS
				FOREIGN EXCHANGE (10 ³ yen)	LOCAL CURRENCY (10 ³ RP)	
A1. Water supply equipment Water treat- ment equipment	W-I- (a) -T	19.8	0.8	3,800	4,500	
A2. Outside water pipes		-	-	-	3,100	
B. Kitchen	-	-	-	-	-	
C. Laundry	-	-	-	-	-	
D. Solid disposal	-	-	-	-	-	
E1. Boiler plant	-	-	-	-	-	
E2. Outside steam pipes	-	-	-	-	-	
F. Air cooler	C - (3)	-	0.6	800	-	
Total			1.4	4,600	7,600	

WATER SUPPLY FACILITIES AND OTHERS		17/20	NAME OF HOSPITAL		Rantau Prapat		CLASS	D ⁺
ITEM	GROUP MARK	SPACE OF BUILDING (M ²)	WEIGHT (T)	PRICE		REMARKS		
				FOREIGN EXCHANGE (10 ³ yen)	LOCAL CURRENCY (10 ³ RP)			
A1. Water supply equipment	W-I- (C) -T	28.8	1.2	5,100	4,500			
Water treatment equipment			11.5	4,000				
A2. Outside water pipes		-	-	-	2,800			
B. Kitchen	-	-	-	-	-			
C. Laundry	-	-	-	-	-			
D. Solid disposal	-	-	-	-	-			
E1. Boiler plant	-	-	-	-	-			
E2. Outside steam pipes	-	-	-	-	-			
F. Air cooler	C - (2)	-	0.5	600	-			
Total			13.2	9,700	7,300			

WATER SUPPLY FACILITIES AND OTHERS		18/20	NAME OF HOSPITAL	Tebing Tinggi		CLASS	D ⁺
ITEM	GROUP MARK	SPACE OF BUILDING (M ²)	WEIGHT (T)	PRICE		REMARKS	
				FOREIGN EXCHANGE (10 ³ -yen)	LOCAL CURRENCY (10 ³ RP)		
A1. Water supply equipment Water treatment equipment		3	0.1	200	-		
A2. Outside water pipes		-	-	-	1,900		
B. Kitchen	-	-	-	-	-		
C. Laundry	-	-	-	-	-		
D. Solid disposal	-	-	-	-	-		
E1. Boiler plant	-	-	-	-	-		
E2. Outside steam pipes	-	-	-	-	-		
F. Air cooler	C - ②	-	0.5	600	-		
Total			0.6	800	1,900		

WATER SUPPLY FACILITIES AND OTHERS	19/20	NAME OF HOSPITAL	Tanjung Balai	CLASS	D
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ITEM	GROUP MARK	SPACE OF BUILDING (M ²)	WEIGHT (T)	PRICE		REMARKS
				FOREIGN EXCHANGE (10 ³ yen)	LOCAL CURRENCY (10 ³ RP)	
A1. Water supply equipment Water treatment equipment	-	-	-	-	-	
A2. Outside water pipes	-	-	-	-	5,200	
B. Kitchen	-	-	-	-	-	
C. Laundry	-	-	-	-	-	
D. Solid disposal	-	-	-	-	-	
E1. Boiler plant	-	-	-	-	-	
E2. Outside steam pipes	-	-	-	-	-	
F. Air cooler	C - ①	-	0.2	200	-	
Total			0.2	200	5,200	

WATER SUPPLY FACILITIES AND OTHERS	20/20	NAME OF HOSPITAL	Porsea	CLASS	D
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ITEM	GROUP MARK	SPACE OF BUILD- ING (M ²)	WEIGHT (T)	PRICE		REMARKS
				FOREIGN EXCHANGE (10 ³ yen)	LOCAL CURRENCY (10 ³ RP)	
A1. Water supply equipment Water treat- ment equipment	W-I- (d) -T	30	6.6	9,000	13,500	
A2. Outside water pipes		-	-	-	3,000	
B. Kitchen	-	-	-	-	-	
C. Laundry	-	-	-	-	-	
D. Solid disposal	-	-	-	-	-	
E1. Boiler plant	-	-	-	-	-	
E2. Outside steam pipes	-	-	-	-	-	
F. Air cooler	C - (1)	-	0.2	200	-	
Total			6.8	9,200	16,500	

10.5

