

CHITTAGONG DRY DOCK LIMITED

(An Enterprise of BN)
P.O.Box-Bandar-No.2007
EAST PATENGA, CHITTAGONG.



SPECIFICATION OF MAJOR MACHINERY & EQUIPMENT

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**DETAILS SPECIFICATION SHEET OF
MACHINERY & EQUIPMENT
SUPPLIED BY M/S. GOMIYA CO. LTD., TOKYO, JAPAN.**

CONTRACT NO. SB/CDD/10.04 WITH BSEC,DHAKA.

Sl.N o.	Item No.	Detailed specification & spares list of machinery and equipment.	Quantity
1.	6/2	<p><u>Plate Bending Rollers:</u></p> <p><u>Specifications:</u> Electro-Hydraulically operated Max. bending capacity : Plate width 3050 mm Plate thickness 20 m Upper roll diameter : 380 mm x 1 pc. Bottom roll diameter : 280 mm x 2 pcs.</p>	1 unit
2.	14/8	<p><u>Diesel Engine-Driven DC ARC Welder Mounted on 4-wheeled trailer</u> : 1+1 unit =</p> <p>Welding current range : 40-330A Rated out put : DC 10.5 Kw ARC Voltage : 22 - 35V</p>	2 unit.
3.	38/16	<p><u>Tig Welding Equipment's:</u></p> <p><u>Specification:</u> Welding current range : 18-300 D.C. 20-300 A.C.</p>	14+3 = 17 unit.
4.	42/4	<p><u>Universal Lathe (Heavy Duty)</u></p> <p><u>Specifications:</u> Centre height : 660 mm Swing over bed : 1320 mm Centre Distances : 11000 mm</p>	1+1 = 2 units
5.	42/5	<p><u>Universal Lathe (Heavy Duty):</u></p> <p><u>Specifications:</u> Centre height : 910 mm Swing over bed : 1820 mm Centre Distance : 5000 mm</p>	1 unit
6.	38/25	<p><u>Thread Cutting Machine:</u></p> <p><u>Specifications:</u> Threading capacity : 15A (1/2") Voltage : 220V, Single Ph. Motor : 700W x 460D x 400H mm</p>	1+1= 2 units
7.	46A/	<p><u>Radical Drulling Machine:</u></p>	1 unit.

Specifications:

Max. drilling capacity : 50 mm
Spindle speed : 12 steps 25-1200 rpm.
Spindle feed : 0.05 - 0.6mm/rev.
Max. spindle travel : 320 mm

8. 42/8 **Radial Drilling Machine** 1 unit.

Specifications:

Drilling capacity : Max. 95mm in cast iron
80mm in steel.
Distance between spindle centre
and column centre : Max. 229mm/min.645mm
Spindle speed : 22 steps 15-1560 rpm.

9. 43/12 **Slitter Machine** 1 unit.

Model : MY-400
Maker : YAMACERIRON WORKS CO. LTD.
Fukui-pre., Japan.

10. 43/9 **Vertical Milling Machine** : 1+1= 2 units.

Specifications:

Working table size : 1650 x 380 mm
Max. Longi travel : 920 mm
Max. cross travel : 350 mm
Max. vertical travel : 450 mm

11. 43/13 **Cylindrical Grinding Machine** : 1 unit.

Specifications:

Max. Grinding dia : 63 mm.
Max. Centre distance : 2000 mm

12. 38/45 **Double Grinder (Bench Grinder)** 3+2= 5 sets

Wheel size : 150 mm dia
16 mm thickness

13. 30/9 **Double Grinder (Bench Grinder)** 1 set

Wheel size : 205 mm dia
19 mm thickness
Power : 590W, 3 Ph. 50Hz, 440V

14. 42/6 **Double Grinder (Bench Grinder)** 2 sets

Wheel size : 305 mm dia
32 mm thickness

15. 30/11 **Hydraulic Press** 1 unit.

Specifications:

Capacity: 15 tons
Hand operated
Vertical travel of tables : 630 m
Ram stroke : 140 mm

16.	52a/3	<u>Bending Rolls</u> (Hand Operated):	1 unit.
		Capacity: 1.2 mm. Roll dia : 90 mm. Length : 2000 mm.	
17.	44a/7	<u>Hydraulic Press:</u>	1 unit.
		<u>Specifications:</u> Capacity: 100 tons Vertical Travel of table : 500 mm Ram stroke : 200 mm	
18.	38/37	<u>Cutting Machine with abrasive disc:</u>	2 sets
		Abrasive disc. : Dia 305 mm Capacity : Bar dia 60 mm Pipe dia 101.6 mm Shape steel 100x100 mm	
19.	45/6	<u>Cutting Machine with abrasive disc:</u>	2 sets
		Abrasive disc: Dia 405 mm Capacity: Bar dia 75 mm Pipe dia 150 mm Shape steel 135 x 135 mm	
20.	46b/6	<u>Horizontal Ban Saw:</u>	4 units.
		<u>Specifications:</u> Cutting capacity : Round section 250 mm Square section 250 x 300 mm Cutting speed : 15, 21, 30, 42, 50 m/min.	
21.	45/11	<u>Band Saw for Non-ferrous Metals:</u>	1 unit.
		<u>Specifications:</u> Max. cutting thickness : 225 mm Max. cutting depth : 350 mm Table size : 600 x 600 m <u>Accessories:</u> Band saw 30m/case : 4 cases (120M).	
22.	36/26	<u>Universal Tool Sharpener:</u>	1 unit.
		<u>Specifications:</u> Distance between both centres from headstock to Tailstock : 650 mm Distance between both centres from workhead to Tails too : 500 mm Centre height : 130 mm Table size : 1000 x 290 mm Grinding wheel size : 100 x 290 mm Grinding wheel size : 150 mm	
23.	36/27	<u>Widia Bits Soldering Machine:</u>	1 unit

Used for brazing the tips of saws, tools bits, cutters etc. This machine is capable of producing an alternating patten of high and low currents to accomplish a uniform fusion of the braising metal.

Specifications:

Power Supply : 220V, single ph. 50Hz.
 Max. Input : 15 KVA
 Rated capacity : 15 KVA
 Duty cycle : 50%
 Adjustments of low current : 5 STEPS
 Applicable shank size(Max.) : 40 x 40 mm
 (Min.) : 6 x 6 mm.

24. 36/4300

Surface Plate:

Model : SP-13 900 x 1200 x 125 mm
 Grade B (Stock No.E-120)
 Maker : NABEYA IRON WORKS LTD. JAPAN.

25. 40/1

Circular Saw (Wood Working):

1 unit.

Specifications:

Saw blade dia : 455 mm
 Table tilting angle: 450 to left.
 Cutting depth : 130 mm
 Table size : 710 to 860 mm
 Vertical travel of table : 150 mm

26. 30/12

Air Compressor Set:

Specifications:

Free air delivery : 100 lit/min.
 Max. working pressure : 7 kg/cm2

27. 59/1

Standby Generator:

1 unit

Specifications:

KVA Rating : Standby 275 KVA
 Rated 250 KVA
 Voltage : 400/230 3 phase.
 Power factor : 0.8 (Lagging)
 Rated speed : 1500 rpm.
 Complete with all necessary out fit including control panel, regulators, gauges, light, fuel tank etc.

28. 54/11

Paint Spray Unit:

Specifications:

Max. fluid output : 503 lit./min.
 Max. fluid pressure : 210 kg/cm2
 Pressure Ratio : 30 I
 Max. air pressure : 7 kg/cm2
 Max. air consumption : 900 lit./min.

Standby Accessories:

Spray gun, ALG-1, Fluid hose 10M, Nozzle tip, Paint filter, drain valve.

29. 69/5

Fork Lift Truck:

2 units

Specifications:

Diesel Engine, Frictional Clutch type.

Max. capacity : 1500 kg at 500mm load centre.

Max. lifting height : 3000 mm

30. 42/10 **Horizontal Band Saw:** 1 unit.

Specifications:

Cutting capacity : Round section 250 mm
Square section 250 x 300 mm

Cutting speed : 15, 21, 30, 42, 60 m/min.

31. 43/8 Universal Milling Machine 1 unit

Model : UF 2

Maker : Enshu Limited, Shizuka-perf. Japan.

Specifications:

Working Table : 1350 x 270 mm

Table feed : 750 x 270 x 400 mm.

**LIST OF MACHINERY AND EQUIPMENT:
M/S. MITSUI ENGG. & SB. CO. LTD., TOKYO, JAPAN.**

1. 38/41 **Pipe cutting Pantograph :** 1 unit

Type : KT-40, 41, 42

Pipe dia : 370 - 520 dia

2. 43/11 **Shaping Machine:** 1+1= 2

Tool slide traverse 770 mm

Slide Feed 310 mm

Table feed-Y 770 mm

Table feed-X 370 mm

Table turning 370 mm

3. 41/4 **Boring Machine:** 1 unit

Cylinder bore : 80-165 mm

Boring length : Upto 500 mm

4. 30/5 **Machine for working valve device :** 1 unit

Cylinder bore : 45.00 dia

Boring length : Upto 500 mm

5.	44b/2	<u>Twin Disc. Lapping Machine:</u> Disc. Dia model No. 2 Speed	459 mm - 10,44 rpm - 2	1 unit
6.	44b/9	<u>Grinding Machine for Injector Cones:</u> Inner & outer grinding upto Power Manufacturer Model No. BANZAT CO. LTD.	: 15 mm : 1 kw	1 unit
7.	30/10	<u>Spindle Press:</u> Hand Operated Max. capacity Manufacturer	: 1.5 ton : MORIMITSU CO. LTD.	
8.	52a/5	<u>Flanging Machine:</u> Roll forming machine Hand operated Max. Tin thickness Manufacturer	: 1 mm : MORIMITSU CO. LTD.	1 unit
9.	69/3	<u>Side Fork Lift Tuck Load:</u> Max. load Gravity Centre Lifting Height Platform width Manufacturer	: 6 ton specification No. YSDZE-1115 : 650mm specification side fork : 3m lift truck model, FDS6+300C : 1400 mm : SHINKO ELECTRIC CO. LTD.	1 unit
10.	69/6	<u>Self Driven Mobile Crane:</u> Model Crane Capacity Boom length Boom elevation angle Boom elevation time Boom extending time Hoisting speed Swing speed Outrigger spread Boom typeation Hoist Swing Swing circle Out rigger Manufacturer	: TMS 1600 : 16 ton at radius 3m with 9.3 boom 10 ton at radius 3m with 16.4m boom 6.2ton at boom angle 68o with 23.5m boom+7.5m jib : 9.3m - 23.5m : 30 ±80o : 80 set : 14.2m/63 sec. : Main. 87m/min.max.87m/min Max. line pull 4.2 ton : 3.0 rpm (360o continuous relation) : 4.9m : 3 section, trapezoidal full power single,double-action hydraulic cylinder with integral holding Vv. : Hydraulic plunger motor driven, spur gear reduction, single shaft two drums type, with internal expanding clutch, band brake, and automatic input shaft brake : Hydraulic radial piston type motor driven planetary Gear reduction, with disc. Brake. : Ball bearing : Htype independently controlled : 3 section gear type.	1+1= 2 units
11.	69/7	-do-	-do-	
12.	69/9	<u>Truck:</u> Nissan type Carrying capacity Manufacturer	CM90E 4.5 ton NISSAN DIESEL MOTOR CO. LTD.	1 unit
13.	34/2	<u>Transport Carriage:</u>		

		Capacity	1000 kg	
		Size	1200 x 750 x 850 mm	
		Manufacturer	OKUDAYA GIKEN MFG. CO. LTD.	
14.	34/2	<u>High pressure water Gun.</u>		1 no.
		Type	RX-1100	
		Max. Pressure	500 kg cm ²	
		Discharge Quantity	100L/min.	
		Motor Power	110 kw	
		Manufacturer	RIKEN KIKI SEZIZO CO.LTD.	
15.	36/19	<u>Twin Chamber Oven</u>		1 no.
		Type	TKT3	
		Power	30 KW x 2	
		Temperature	1000 Degree-1, 300 Degree C	
		Chamber Dimension	500 x 400 x 1000mm x 2	
		Manufacturer	TOKYO KOJI SEISAKUSHO CO. LTD.	
16.	44B/5	<u>Honing Machine</u>		1 no.
		Machine Model	HO-15HSN-S	
		Working Dia(inner)	150-600mm	
		Working length(Max.)	1500mm	
		Spindle revelation(3 steps)	14,21,34 rpm	
		Spindle up and down speed	5-20M/min.	
		Hosing Stone expanding	Hydraulic	
		Working Table	Manual slide	
		Motor: Spindle relation	3.7 KW	
		Spindle up and down	11 KW	
		Stone holder expand(Hydraulic)	0.15 KW	
		Control Panel	Pedant	
		Power Source	380V 50 Hz	
		Control Voltage	200V	
		Machine Dimension :	H x L x W = 4900 x 3000 x 1750000	
		Oil Unit Dimension :	H x L x W = 1000mm x 1200 x 1000	
<u>DETAILS OF MACHINERY AND EQUIPMENT BY</u>				
<u>M/S. NICHIMEN CO. LTD. TOKYO, JAPAN.</u>				
1.	6/1	<u>HYDRAULIC PRESS:</u>		1 no.
		Model	SF 400	
		Capacity	400 tons	
		Max. Aperture	3.150 mm	
		Open Height	1000 mm	
		Run Stroke	600 mm	
		El. Motor	37.5 kw.	
		Maker :	Inoue Hydraulic Machine Mfg. Co. Ltd.	
2.	4/7	<u>SEMI-AUTOMATIC GAS CUTTING PLANT:</u>		
		Model :	1K-12 Max. (SP-200)	
		With accessories		
		Joint preparation :	I.V.Y.X.	
		Cutting thickness :	5-100 mm	
		Power :	9W	
3.	46a/1	<u>DUPLICATING BANTOGRAPH:</u>		2 nos.
		Model :	1K-1500 CE	
		with accessories		
		Max. plate thickness :	150mm with 2 torches.	
		Max. cutting width :	1525 mm	
		Max. cutting length :	3050 mm	
4.	47a/4	<u>ELECTOR GAS WELDING RODS</u>		15+5
		<u>DRYING OVAN</u>		
		Model :	HSD 300F	
		Drying Capacity :	300 KG	
		Max. Temperature:	400 C	
		Maker :	Osaka Transformer Co. Ltd.	

5.	42/2	<u>HORIZONTAL BORING & MILLING MACHINE:</u> Model : KBT 1353 with accessories. Diameter of spindle : 135 mm Spindle travel : 900 mm Max. vertical travel (head) : 1500 mm Table cross travel : 2000 mm Main motor : 18 KW Working surface of table : 1600 x 1800 mm	1 no.
6.	36/7	<u>TOOL MAKERSMILLING MACHINE:</u> Model : SV - CH Working Table : 1100 x 280 mm Longitudinal travel: 750 mm Cross travel : 300 mm Vertical : 450 mm Main spindle: Speed range : 9 steps Motor : 3.7 Kw. Maker : Shizuoka Machine Tool Co. Ltd.	1 no.
7.	42/9	<u>SUPER FINISH DEVICE:</u> Model : SF 115 Inside dia of honing : 100-1000 Must suitable dia : 300 Apply Pressure : 0-20 kg/cm ² Maker : Koganel Industries Co. Ltd.	1 no.
8.	44b/5	<u>HONING MACHINE:</u> Model : CVA-300 with accessories Inside dia of honing : 15-80 Length of honing : 300 mm dia Length of stroke : 450 mm dia Table of Dimensions : 400 x 600 mm Hydraulic pump : 3.7 KW	1 no.
9.	30/6	<u>SUPPORT GRINDER:</u> Model : CLH with accessories. Grinding Depth : 75 mm	1 no.
10.	52b/1	<u>WIRE ROPE CUTTER:</u> Cutter capacity : 40 mm Maker : Senyo Iron Works Ltd.	2 nos.
11.	44a/2 45/8	<u>LEAVERS SHEARS:</u> Max. cutting plate : 6 mm Maker : Toba Iron Works Ltd.	2 nos.
12.	52a/2	<u>LEVER SHEARS:</u> Max. cutting plate : 6 mm Maker : Toba Iron Works Ltd.	1 no.
13.	46a/5	<u>HYDRAULIC SHEARS:</u> Model : GHS-1003 with accessories Max. sheet thickness : 10 mm Cutting length : 2600 mm Numbers of strokes : 45 SPM Motor : 15 KW.	1 no.
14.	52a/4	<u>ANGLE BENDING MACHINE:</u> Model : KGA 3T Max. Bending Thickness : 1 mm Max. Bending Width : 2000 Cap. : 300 mm Maker : Morimitsu Co. Ltd.	1
15.	38/8	<u>PIPE BENDING MACHINE:</u>	1

		Model : PB-HA28 with accessories Pipe diameter : 63.5 mm Max. Bending radius : 350 mm Motor : 3.75 kw	
16.	49a/22	<u>SEWING MACHINE FOR UPHOISTERS:</u> Model : 457G 105 type with accessories Table size : 1200 x 800 x 800 Accessories 1 stand. Maker : Singer sewing machine co; Ltd.	1
17.	49b/23	<u>SEWING MACHINE FOR UPHOLSTERERS:</u> Model : 457G 105 type with accessories 1 stand Maker : Singer sewing machine co; Ltd.	1
18.	69/20	<u>DIVING EQUIPMENT:</u> Diving Mask " Flipper " Snorker " Wet suit " Glove " Weight bolt " Knife " Hydrobarmeter With water temperature Gauge Diving light " Marline Gug. " Regulator " Pressure Gauge " Single Tank 14 Maker : JapanCressi-Sub. Co. Ltd.	2
19.	34/3	<u>MOBILE DIESEL COMPRESSOR:</u> Model : PDSH300 Working pressure : 10.5 kg/cm ² Actual free delivery : 8.5m ³ /min Engine : 110 PS/1,800 rpm. Maker : Hokuetsu Kogyo Co. Ltd.	4
20.	35a/1	<u>PAIL COVER MIXER:</u> Model : PT20BM with accessories Mixing capacity : 20L Mixing system : Automatic Pressure : 3.5 kg/cm ² "Accessories" 1. Transport 4 Maker : Iwtt air compressor Mfg. Co. Ltd.	4
21.	47a/2 47e/2	<u>HIGH LIST HAND TRUCK:</u> Model : CP-15L Load Capacity : 1500 kg Lifting length : 220 mm. Total width : 700 mm. Maker : OkudayaGiken Mfg. Co. Ltd.	2
22.	66a/1	<u>X-RAY DIVICE:</u> Model : EX-250G-2 Type <u>Accessories:</u> Control unit 1 set Case for accessory & cable 1 Main supply cable 10M 1 pcs.	1 set

		Control unit cable 10M	1 set
		Water pump	1
		External fan	1
		Control unit case	2
		Overseas set consisting	1
		Monotanks	4
		Maker :	Tokyo Shibaura Electric Co. Ltd.
23.	66a/2	<u>POCKET APPARATUS:</u>	6 sets
		Model :	PD-100 Type
		X-ray :	0-100 MR
		Size :	13.5 Ø x 100 mm
		Weight :	18.5 kg.
		Maker :	Riken Keiki Co. Ltd.
24.		<u>PROCESSING UNIT:</u>	
		<u>Accessories:</u>	
		Developing Tank	
		Thermostat with temperature feeler	
		Electromagnetic valve complete with water, water stopcock	
		Electrical control panel	
		Tanks for intermediate washing	
		Lids for the fixing tank	
		Tank	
		Base supper	
		Maker :	Fuji Film Co. Ltd. Chiyoda X-Ray Co. Ltd. Seikosha Co. Ltd.
25.	66a/5	<u>DARK ROOM WALL LAMP:</u>	
		Safe lamp filtered brown	
		Safe lamp filter-olive green	
		Maker :	Chiyoda X-Ray Co. Ltd.
26.	66a/6	<u>FILM DRYING CABINER:</u>	1
		Model :	No. 3407
		Maker :	Chiyoda X-Ray Co. Ltd.
27.	66a/7	<u>X-RAY FILM CHANNEL HANGERS:</u>	60
		10 X 24 Cm	20 P
		10 x 48 Cm	20 P
		10 x 40 Cm	20 P
		Maker :	Chiyoda X-Ray Co. Ltd.
28.	66/8	<u>PARK FOOM TIMBER WALL MOUNTING:</u>	1
		Model :	No. 1802
		Maker :	Chiyoda X-Ray Co. Ltd.
29.	66a/9	<u>FILM VIEWIGN APPARATUS:</u>	1
		Model :	KS-3 type
		Maker :	Seikosha Co. Ltd.
30.	66a/10	<u>WIRE TYPE IMAGE QUANTITY INDICATORS:</u>	40
		1. Fe	1/7
		2. Fe	6/12
		3. Fe	10/16
		4. Cu	1/7
		5. Cu	6/12
		6. Cu	10/16
		7. AI	1/7
		8. AI	6/12
		9. AI	10/16
		Maker :	Ray Dex.

31.	66a/11	<u>CASSETTE HOLDER:</u> Model : MD. Type Maker : Seikosha Co. Ltd.	20
32.	66a/12	<u>CASSETTE:</u> Maker : Seikosha Co. Ltd.	20
33.	66a/13	<u>RUBBER VACUM:</u> 10 x 24 cm 20 P 10 x 48 cm 20 P Maker : Seikosha Co. Ltd.	40
34.	66a/14	<u>CLOURES:</u> Maker : Seikosha Co. Ltd.	20
35.	66a/16	<u>METAL CASSETTES:</u> 10 X 48 cm 30 P 30 x 40 cm 20 P Maker : Seikosha Co. Ltd.	50
36.	66a/17	<u>LEAD INTENSIFYING SCREENS:</u> 10 x 24 cm 0.01 - 1.0 mm 40 D 10 x 48 cm " 60 D 30 x 40 cm " 40 D Maker : Tokyo Shibaura Electric co. Ltd.	140 doz.
37.	66a/18	<u>LEAD INTENSIFYING SCREENS:</u> 10 x 24 cm 0.02 - 0.03 20 D 10 x 48 cm " 20 D 30 x 40 cm " 20 D Maker : Tokyo Shibaura Electric co. Ltd.	60
38.	66a/19	<u>X-RAY FILM MARKING:</u>	2 sets
39.	66a/20	<u>FLIM CLIPS:</u> 50 (1006) 14 pcs. 80 (1011) 14 " 100 (1020) 14 " 150 (1026) 14 " 400 (1030) 14 " Maker : Fuji Film co. Ltd.	70
40.	66a/21	<u>PORTABLE CRACK TESTER:</u> Model : IR-305 Effective Measuring Range : 0.05 - 50 M Central Saddle : IMM Dimension : 213 x 95 x 70 Weight : 720 kg. Maker : Hioko Electric Works Ltd.	1
41.	66a/22	<u>CRACK TESTER:</u> Model : EX-250G-2 with accessories Input-Power supply : Single phase 190 - 240 v Input - Tube voltage : 80-250 KVP Tube Current : 3-5 MA Penetration power : 90 mm (steel)	1
42.	66a/23	<u>MAGNETO CRACK TESTER:</u> Model : USM2M type Maker : Krautkramer Japan Ltd.	1
43.	66a/24	<u>ULTRASONIC DEVICE PORTABLE:</u>	2 sets

Model : USM2M

1. MWB35N4	11. MWB70N4
2. MWB45N4	12. MSEB4H
3. MWB60N4	13. MPKL 2
4. MWB80N4	14. SEKL 2
5. K2N	15. V1
6. K4N	16. V2
7. K6N	17. MTT
8. MB2SN	18. MLS2
9. MB4SN	19. MBN14
10. MB5SN	20. MA4

Maker : Krautkramer Japan Ltd.

44. 66a/25

MATERIALS:

Non-destructive tested of material

Liquid Penetrate

Liquid Cleaner

Liquid Developer

- | | |
|-------------------|------|
| 1. Superdol | 38L |
| 2. Rendol | 5L |
| 3. Hi-rendol | 20L |
| 4. Super FI | 20L |
| 5. Renfix | 10L |
| 6. Fuji stop bath | 1L |
| 7. Fuji QW | 2L |
| 8. FujiDriwel | 2L |
| 9. Red solt | 500g |
| 10. Tank Cleaner | 40L |

45. 66a/26

SINGLE LENS REFLEX CAMERA:

1 pc.

Model : Nik on F2AS Photomic with Accessories.

Type : 35mm Single-Lens Reflex.

Lenses available: Nikkor 50mm F1.2
55mm F1.2

Shutter : Speed 1/2000

Shutter : "B" 14 steps 2-10

46. 66a/27

DOUBLE LENS REFLEX CAMERA:

1 pc.

Model : C330 Professional 80/2.8 type

Film size: 6 x 6

Shutter speed : 1-1/500

Lens : F2.8

47. 66a/28

PHOTO ENLARGER:

1 pc.

Model : 60m with accessories

Negative size : 6 x 6mm & smaller

Column : 700 x 32 x 32mm

Baseboard : 450 x 360 x 20MV

Accessories :

48. 66a/29

BINOULAR:

1 pc.

Model : 16 x 10

Magnification : 16

Objective lens : 0.50

Maker : VIXEN.

49. 66a/30

ELECTRONIC THICKNESS MEASURING APPARATUS:

1 pc.

Model : UTM - 20B with accessories.

Thickness range : 1 - 200 mm

Dimension : 66 x 36 x 131mm

Weight : 390g.

50.	66a/31	<u>CENTRAL CLOCK PLANT WITH ACCESSORIES:</u> Central Clock Model : Dimension : Secondary clock : J-5509 Dimension : 600	1 pc.
51.	40/5	<u>WHITE METAL OVEN:</u> Model : Pot type with accessories. Dimension of pot : 370 x 440 Hm mm Capacity : 150 kg Temperature : 500°C Heating element : 10 kW.	2 pcs.
52.	40/4	<u>ELECTRO MEGNETIC SEPARATOR</u> Model : KHDS - 30 Drum Diameter : 930 mm Drum width : 300 mm Particle size : 25-40 : 15-20 ton/h. 6-15 : 8-15 ton/h. 6 : 5-7 ton/h. Fine stand particle : 5-7 ton/h. Maker : Kenetsu Kogyo Co. Ltd.	1 pc.
53.	50/17	<u>TUBE EXPENDING MACHINE WITH ACCESSORIES:</u> BK 586 : 50.8-57.4 mm BK 616 : 55.6-62 BK 646 : 60.3-68 BK 686 : 66.7-74.3 BK 726 : 73.0-80.7 BK 766 : 79.4-88.2 BK 806 : 85.7-94.5 BK 846 : 92.1-100.9 Tube rolling Rotary motor 75R : 102 mm 40R : 76 32R : 57	1 Set.
54.	51/8	<u>TUBE CLEANING MACHINE:</u> Elect. Motor type : 13.28 mm Air motor type : 29-95 mm Maker : Sugino Machine Ltd.	1 set.
55.	37/8	<u>PRESSURE TESTING PUMP:</u> Pressure upto : 150 kg/cm ² Tank size : 450 x 26 x 190 mm Maker : Banzai Ltd.	1 set
56.	30/14	<u>POSTABLE CRANE</u> Chain hoist : 1-1/2 ton Width : 300 mm Height : 2,500 mm Maker : Kito Co; Ltd.	1
57.	44b/13	<u>INJECTOR TESTING PUMP:</u> Model : PT-B-W with accessories Max. Pressure : 1000 kg/cm ² Plunger high : P. 10 mm Low : P. 38 mm Stack : 50 mm	1
58.	44b/14	<u>INJECTOR TESTING PUMP</u>	1

		Model : DT-60V Max. Pressures : 500 kg/cm ² Maker : Banzai Ltd.	
59.	44b/7	<u>INJECTOR PUMP TESTING DESK</u> Model : ND-FIP-12c Testing capacity : 12 cylinder Speed range : 100-2700 rpm Motor : 7.5 KW Maker : Nippon Benso Co. Ltd.	1
60.	26/1	<u>PORTABLE PUMP</u> Model : P503M type Normal discharge Normal pressure : 7 kg/cm Max. discharge : 0.8 m ³ /min. Max. pressure : 10 kg/cm ² Engine : 2 cyl. Gasoline type 57 c.c. 48 pc. Maker : Fuji Robin Industries Ltd.	1
61.	26/2	<u>MOBILE HOSE REEL</u> Hose length : 100 mm Maker : Mimasu Co. Ltd.	1
62.	26/3	<u>FIRE LADDERS MODEL : 1-2</u> Total length : 6.3m Flooding type Maker : Kanto Hasigo Co. Ltd.	3
63.	26/4	<u>FIRE HOSE</u> Model : Rocker 350 - 1/2" 65 x 20m x 50 set Maker : Sakura Rubber Co. Ltd.	1000m
64.	26/5	<u>FIRE HOSE (SUCTION)</u> Model : Deluse SA-1 75 x 10m x 20 set Maker : Sakura Rubber Co. Ltd.	200 m
65.	26/6	<u>NOZZLES MODEL : No.Z,4</u> Length : 600mm 65mm type Maker : Itachibori Mfg. Co. Ltd.	5
66.	26/7	<u>PORTABLE FIRE EXTINGUISHERS</u> Model : 10 type Capacity of liquid : 7.5L Dimension : 167 x 583mm Maker : Nihon Dry Chemical Co. Ltd.	50
67.	26/8	<u>CO₂ PORTABLE FIRE EXTINGUISHERS</u> Model : 10 type Gas weight : 4.6 kg Dimension : 140 x 670 Maker : Nihon Dry Chemical Co. Ltd.	50
68.	26/9	<u>SIREN</u> Model : TSNO, 1001 as 125 type Power : DO12V, 8A 100W Revelation : 7,000 RPM	

Maker : Tokyo Siren Co. Ltd.

69.	26/10	<u>FIREMEN'S ACCESSORIES WITH FOLLOWING QUANTITIES.</u> Hats and Belts : 10s Spades : 10s Picks : 5s Books SM Load : 5s Maker : Minayo Co. Ltd.	
70.	26/11	<u>FIREMEN'S SUITS</u> Model : T Type Fire coat Deluxe Alumitex fire coat delouse. Maker : Nihon ShaboFukoso Co. Ltd.	10s
71.	42/7	<u>VERTICAL TURRET LATHE</u> MT-490D Table dia 1200 m Maxm Turning dia 1,600 m Maxm Turning height 1,030 m Turret head vertical Tranel 700 m Maxm height betn cross rail lever side & table 1,180 m Table Revolution, 3.6 -180 rpm Maker : O-M LTD, OSAKA, JAPAN.	1
72.	14/4 38/15 30/15 46a/18 (38/16) (46a/16)	<u>SINGLE OPERATOR WELDING RECTRIIFIER</u> Model : MR-600 Rated Secondary Current : 600A Rated Primary Voltage : 400 V Rated load voltage : 46V Welding Current range : 50-600A Maker: OSAKA TRANSFORMER CO. LTD., JAPAN	120
73.	14/5	<u>WELDING TRANSFORMER(MULTI TRANSFORMER)</u> 120 Model : OT-650-1 Rated secondary current : 650A Rated primary voltage : 400V Rated load voltage : 44V Welding current range : 80-650A Maker : Osaka Transformer Co. Ltd.	
74.	14/7	<u>WELDING BOX FOR THREE UNIT</u> Maker : Osaka Transformer Co. Ltd.	20
75.	14/9	<u>GRAVITY WELDING AUTHAT EQUIPMENT</u> Model : Gramate with welding transformer. Model : OT-650-3 Type & Quantity : From Right to left-2 Max. Electrode length : 700 mm Electrode size : 4.0-7.0 mm AC Arc welder Rated secondary current : 650A Double safety voltage limator Same as item 14/5 Maker : Kobe Steel Ltd. Maker : Osaka Transformer Co. Ltd.	12
76.	14/11	<u>AUTOMATIC WELDING MACHINE FOR SUBMERGED ARC WELDING, SUBMERGED ARC WELDER.</u> Model : SW - 24 AC Power source Model : KRUMC -1500 With accessories Welding current range : 250 - 2000A	6

Welding wire range : 2.4 - 6.4 mm
 Travel speed : 150, 50-500 cm/min.
 Secondary current range : 500-1800A
 “Accessories”
 Composition Cleander Model : VC-65
 Rail for submerged Model : BSW-249
 Maker : Osaka Transformer Co. Ltd.

77. 38/18
 46b/9 **COLUMN DRILLING MACHINE** 4
 Model : EUD-500 with accessories.
 Max. Frilling dia : 32 mm
 Elevating spindle : 140mm
 Distance from spindle to bed 100mm
 Dimension of table 400mm
 Motor 0.75 KW
 “Accessories”
 1. Chuck - 2
 2. Chuck handle - 2
 3. Spanner - 2
 Maker : Enshu Industrial Co. Ltd.

78. 43/4 **COLUMN DRILLING MACHINE** 2
 Model : EUD-500 with accessories.
 Max. Drilling dia : 32 mm
 Elevating main spindle 140mm
 Elevating main table 600 mm
 Motor 0.7 KW
 “Accessories”
 1. Chuck - 1
 2. Chuck handle - 1
 3. Spanner - 1
 Maker : Enshu Industrial Co. Ltd.

79. 69/8 **FLAT PICK UP TRUCK** 5
 Model : FASTER
 Carrying capacity : 1,095 kg
 Platform size : 1,855 x 1,460 x 395
 Engine : 1,584 CC 94 HP
 Maker : Isuzu Motors Co. Ltd.

80. 69/12 **MOTOR VAN** 2
 Model : TLD 23
 Carrying capacity : 2,000 kg
 Truck size : 3,040 x 1,515 x 1,480
 Engine : 74 HP
 Maker : Isuzu Motors Co. Ltd.