



No.PDMA(S)/11(161)/24/ 6539  
GOVERNMENT OF SINDH  
REHABILITATION DEPARTMENT  
PROVINCIAL DISASTER MANAGEMENT AUTHORITY  
PLOT NO: 26-C, MAIN KHAYABAN-E-JAMI  
DHA, PHASE-VII, KARACHI, Phone: 021-35318192 & 021-35314219  
Karachi dated: 29/5/2025.

### General Notice

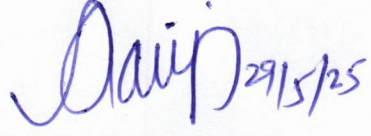
#### SUBMISSION OF QUOTATIONS FOR PROVISION OF RACKS & SPARE PARTS OF DEWTERING PUMPS/ ACCESSORIES FOR PDMA HEAD OFFICE KARACHI

I am directed to refer to the subject noted above and to state that the quotations are required from the interested firms registered with i.e FBR, Sales Tax, ETC regarding items mentioned below.

S.NO	Items	Qty	Specifications
1	Spare Parts of Dewtering Pump accessories	Package	Annexure-A
2	Racks	15	Heavy Duty Warehouse Rack, Size: 8FT x 3FT x 8FT, with 3 Levels (Each Level can support 1000 kg). Beam and Pillars: 16 Grade, Shelf: 20 Grade (Total of 24 pieces: 12 x 33). Beam and Pillars should be powder coated.

Cc to:

1. PS to Director General, PDMA Sindh, Karachi
2. Assistant (Admin Section) with the direction to place the notice on the notice board of PDMA.

  
(JAHANZAIB SANJRANI)  
ASSISTANT DIRECTOR (ADMIN)



## Technical Specifications

S.No	Item	Specification
1	Spare Parts / Accessories Dewatering Pumps (Rates may be quoted as package)	Annexure "A"
2		
3		
4	Battery (17 Plates per Cell & 12V, 100 AH)	A 17-plate battery is typically a 12V lead-acid battery used for automotive, solar, or backup power applications. Voltage: 12V, Plates per Cell: 17 (usually 9 positive and 8 negative) Capacity: 90Ah – 100Ah
5	Engine Oil	Viscosity Grade: SAE 15W-40, multi-grade engine oil for diesel and gasoline engines, especially in trucks, heavy machinery, and generators, with excellent lubrication, wear protection, and thermal stability.
6	Suction Pipe Dia 4" inch (Length:10 feet), PVC Heavy Duty	Diameter: 4 inches Length: 10 feet Compatibility: 16HP, 8HP Diesel Engine Type: PVC (HEAVY DUTY) Material: High-strength material
7	Suction Pipe Dia 4" inch (Length:20 feet), Type: PVC heavy duty	Diameter: 4 inches Length: 20 feet Compatibility: 24HP Diesel Engine Type: PVC (HEAVY DUTY) Material: High-strength material
8	Suction Pipe Dia 6" inch (Length:20 feet), Type: Datsun	Diameter: 6 inches Length: 20 feet Compatibility: 75HP, 40HP, 32HP & 16HP Diesel Engine Type: Datsun Material: High-strength material
9	Suction Pipe Dia 8" inch (Length:20 feet), Type:Datsun	Diameter: 8 inches Length: 20 feet Compatibility: 38HP Metro Engine & 30 HP Chief (Diesel Engine) Type: Datsun Material: High-strength material
10	Suction Pipe for Tractor Jhatta Dia 12" inch (Length: 15 feet) Iron Made	Diameter: 12 inches Length: 15 feet Compatibility: Tractor Jhatta Type: Iron Made Material: High-strength metal
11	Delivery Pipe Dia 3" inch (Length: 100 feet), Type: Canvas	Diameter: 3 inches (nominal) Length: 100 feet Material: Heavy-duty, reinforced canvas with a high resistance to wear and environmental factors Compatibility: Designed for use with the 6.5HP Small Patrol Engine Flexibility: The canvas construction allows for flexible installation in tight or dynamic spaces while maintaining structural integrity Durability: Built to withstand moderate pressure and high-temperature environments typical in engine systems
12	Delivery Pipe Dia 4" inch (Length:100 feet), Type: Canvas	Diameter: 4 inches (nominal) Length: 100 feet Material: Heavy-duty, reinforced canvas with a high resistance to wear and environmental factors Compatibility: Designed for use with the 24HP, 16HP, 8HP Diesel Engine & 6.5HP Small Patrol Engine Flexibility: The canvas construction allows for flexible installation in tight or dynamic spaces while maintaining structural integrity Durability: Built to withstand moderate pressure and high-temperature environments typical in engine systems



13	<b>Delivery Pipe Dia 6" inch (Length:100 feet), Canvas</b>	Diameter: 6 inches (nominal) Length: 100 feet Material: Heavy-duty, reinforced canvas with a high resistance to wear and environmental factors Compatibility: Designed for use with the 75HP, 40HP, 32HP & 16HP Diesel Engine Flexibility: The canvas construction allows for flexible installation in tight or dynamic spaces while maintaining structural integrity Durability: Built to withstand moderate pressure and high-temperature environments typical in engine systems
14	<b>Delivery Pipe Dia 8" inch (Length:100 feet), Canvas</b>	Diameter: 8 inches (nominal) Length: 100 feet Material: Heavy-duty, reinforced canvas with a high resistance to wear and environmental factors Compatibility: Designed for use with the 38HP Metro & 30HP Chief Diesel Engine Flexibility: The canvas construction allows for flexible installation in tight or dynamic spaces while maintaining structural integrity Durability: Built to withstand moderate pressure and high-temperature environments typical in engine systems
15	<b>Delivery Pipe for Tractor Jhatta Dia 12" inch (Length: 10 feet) Iron Made</b>	Diameter: 12 inches (nominal) Length: 10 feet Material: Heavy-duty, Iron Made Compatibility: Designed for use with the Jhatta Tractor
16	<b>Delivery Pipe for Tractor Jhatta Dia 12" inch (Length: 100 feet) Canvas</b>	Diameter: 12 inches (nominal) Length: 100 feet Material: Heavy-duty, reinforced canvas with a high resistance to wear and environmental factors Compatibility: Designed for use with the Jhatta Tractor



LIST OF SPARE PARTS / ACCESSORIES OF DE-WATERING PUMPS (ANNEXURE A)			
90-100HP MERAJ PUMP DIA 12" INCH			
SR.#	SPARE PARTS ITEMS	TOTAL QUANTITY	UNIT
1	AIR FILTER HOUSING	5	NOS.
2	WATER BODY HOSE PIPE DIFFERENT SIZES	80	NOS.
3	DELIVERY PIPE DIA 8" INCH (LENGTH:100 FEET), DIAMETER: 8 INCHES (NOMINAL), LENGTH: 100 FEET, MATERIAL: HEAVY-DUTY, REINFORCED CANVAS WITH A HIGH RESISTANCE TO WEAR AND ENVIRONMENTAL FACTORS, COMPATIBILITY: DESIGNED FOR USE WITH THE 38HP METRO & 30HP CHIEF DIESEL ENGINE, FLEXIBILITY: THE CANVAS CONSTRUCTION ALLOWS FOR FLEXIBLE INSTALLATION IN TIGHT OR DYNAMIC SPACES WHILE MAINTAINING STRUCTURAL INTEGRITY, DURABILITY: BUILT TO WITHSTAND MODERATE PRESSURE AND HIGH-TEMPERATURE ENVIRONMENTS TYPICAL IN ENGINE SYSTEMS	10	NOS.
4	LUBE OIL FILTER	23	NOS.
5	DIESEL/FUEL FILTER	23	NOS.
40 HP MERAJ MODEL MT- 6 (6"X6") (ENGINE: MASSEY FERGUSON MF 240)			
SR.#	SPARE PARTS ITEMS	TOTAL QUANTITY	UNIT
1	AIR CLEANER	186	NOS.
2	AIR CLEANER HOSE PIPE (DIA 3" INCH)	150	NOS.
3	CHARGING GENERATORS (ENGINE: MF 385) NO.CR 3658825	5	NOS.
4	BATTERY CHARGING WIRE; 1X35MM2 450/750V (90 METER/COIL)	3	COILS
5	BATTERY TERMINAL (COPPER)	350	NOS.
6	BLOW HOSE PIPE (1" INCH DIA)	100	METER
7	KEY SWITCH COMPLETE	30	NOS.
8	CLUTCH BEARING	162	NOS.
9	CLUTCH COUPLING JOINT	171	NOS.
10	CLUTCH PLATE	69	NOS.
11	DC WIRE 2.5MM	800	METER
12	DC WIRE 4MM	400	METER
13	DC WIRE 6MM	400	METER
14	DIESEL PIPE WITH TEE BOTH SIDES, 3 FT LENGTH (DIA 8MM)	240	NOS.
15	FOUNDATION NUT BOLT DIFFERENT SIZE	370	KG
16	FLY WHEEL GERARI	60	NOS.
17	FUEL TANK CAP	135	NOS.
18	FUEL TANK COCK/TEE	240	NOS.
19	FUSE 20 AMP	35	PACKET
20	GASKET PETAL (BRONZE) (ENGINE: MASSEY FERGUSON MF 240)	125	NOS.
21	HEAT PLUG	180	NOS.
22	LEFTY PUMP	70	NOS.
23	DIESEL OIL FILTER	242	NOS.

FOR FURTHER DETAILS OF SPARE PARTS, THE INTERESTED ELIGIBLE BIDDER MAY CONTACT AD (P) PDMA, SINDH, KARACHI.

24	M.S CLIPS DIA (2" INCH) WITH NUT	230	NOS.
25	M.S CLIPS DIA (3" INCH) WITH NUT	230	NOS.
26	M.S CLIPS DIA (4" INCH) WITH NUT	230	NOS.
27	M.S CLIPS DIA (5" INCH) WITH NUT	230	NOS.
28	MAIN BODY CLUTCH BEARING (CHUMTA)	25	NOS.



29	MAIN SEAL (ENGINE: MASSEY FERGUSON MF 240)	70	NOS.
30	OIL FILTER	242	NOS.
31	OIL PLUG	215	NOS.
32	PUMP BEARING	444	NOS.
33	PUMP COUPLING KEY FOR TIGHTING SUCTION PIPE	130	NOS.
34	PUMP RUBBER SEAL (6" INCH) (KEY SEAL M/F)	900	NOS.
35	PUMP RUBBER SEAL (6" INCH) (THREAD/RING SEAL M/F)	850	NOS.
36	PUMP SEAL 8" INCH DIA	240	NOS.
37	PUMP SHAFT	85	NOS.
38	RACE ACCELATOR CABLE	125	NOS.
39	RADIATOR BELT (ENGINE: MF 240, SIZE: 45 & 46) AVX 13X1270 LA	220	NOS.
40	RADIATOR CAP	170	NOS.
41	RADIATOR FAN (ENGINE: MASSEY FERGUSON MF 240)	72	NOS.
42	RADIATOR FOUNDATION RUBBER (GHUTKA) HEAVY DUTY	290	NOS.
43	SEAL 180C 300VG	70	NOS.
44	SHAFT SPRING SEAL	70	NOS.
45	SILENCER COMPLETE	45	NOS.
46	SILENCER (BHATTI)	45	NOS.
47	SELF (KUPPI)	70	NOS.
48	STORZ SUCTION HOSE COUPLING 6" INCH (KEY STYLE)	68	NOS.
49	STORZ SUCTION HOSE COUPLING 6" INCH (THREAD STYLE)	68	NOS.
50	TAPPET COVER JAIN	72	NOS.
51	THIMBLE COPPER (WIRE BATTERY)	320	NOS.
52	TOP SEAL BEARING	50	NOS.
53	TOP SEAL CHULUM	50	NOS.
54	WATER BODY COOLING	58	NOS.
55	SHRADER VALVE TUBE	170	NOS.
56	HOSE PIPE (COOLING) ENGINE: MF 385, IPI 375, 212003 (DIA 2.5" INCH)	55	NOS.
57	SUCTION PIPE DIA 6" INCH (LENGTH:20 FEET), <b>TYPE:</b> DATSUN, <b>DIAMETER:</b> 6 INCHES, <b>LENGTH:</b> 20 FEET, <b>COMPATIBILITY:</b> 75HP, 40HP, 32HP & 16HP DIESEL ENGINE, <b>TYPE:</b> DATSUN, <b>MATERIAL:</b> HIGH-STRENGTH MATERIAL	10	NOS.
58	DELIVERY PIPE DIA 6" INCH (LENGTH:100 FEET), <b>DIAMETER:</b> 6 INCHES (NOMINAL), <b>LENGTH:</b> 100 FEET, <b>MATERIAL:</b> HEAVY-DUTY, REINFORCED CANVAS WITH A HIGH RESISTANCE TO WEAR AND ENVIRONMENTAL FACTORS, <b>COMPATIBILITY:</b> DESIGNED FOR USE WITH THE 75HP, 40HP, 32HP & 16HP DIESEL ENGINE, <b>FLEXIBILITY:</b> THE CANVAS CONSTRUCTION ALLOWS FOR FLEXIBLE INSTALLATION IN TIGHT OR DYNAMIC SPACES WHILE MAINTAINING STRUCTURAL INTEGRITY, <b>DURABILITY:</b> BUILT TO WITHSTAND MODERATE PRESSURE AND HIGH-TEMPERATURE ENVIRONMENTS TYPICAL IN ENGINE SYSTEMS	105	NOS.
59	L-KEY SET COMPLETE SIZE BIG SIZE, SMALL SIZE	2	NOS.
60	TOOL KIT BOX GOTI SET BIG SIZE	2	NOS.
61	TOOL KIT BOX GOTI SET SMALL SIZE	1	NOS.
62	WRENCH TOOL SET FULL SIZE (MADE IN GERMANY)	1	NOS.
63	GOTI SET L-ROD STEEL WALL	2	NOS.
64	RING PANA SETS	3	NOS.
65	PAINT SPRAY GUN WITH ALL ACCESSORIES, WITH PIPE 200FT	2	NOS.
66	OIL PAINT SKY BLUE (1-GALLON BUCKET)	69	NOS.
67	OIL PAINT BLACK (1-GALLON BUCKET)	48	NOS.
68	ANGLE GRINDER (HYUNDAI, HP2423-AG) 2400W	1	NOS.
69	GRINDING DISC 230MM	140	NOS.
70	CUTTING DISC 230MM	190	NOS.

FOR FURTHER DETAILS OF SPARE PARTS, THE INTERESTED ELIGIBLE BIDDER MAY CONTACT AD (P) PDMA, SINDH, KARACHI.



71	ANGLE GRINDER ROUND WIRE BRUSH	90	NOS.
72	SUCTION PIPE DIA 8" INCH (LENGTH:20 FEET), TYPE:DATSUN, DIAMETER: 8 INCHES, LENGTH: 20 FEET, COMPATIBILITY: 38HP METRO ENGINE, BLACK CHINA & 30 HP CHIEF (DIESEL ENGINE), TYPE: DATSUN, MATERIAL: HIGH-STRENGTH MATERIAL	5	NOS.
METRO 38 HP DIA 8 INCH			
SR.#	SPARE PARTS ITEMS	TOTAL QUANTITY	UNIT
1	AIR CLEANER (AIR OUTLET)	5	NOS.
2	CONNECTING ROD	5	NOS.
3	CR BEARING	3	NOS.
4	DIESEL ENGINE FUEL FILTER	5	NOS.
5	DIESEL TANK PIPE	5	NOS.
6	ENGINE FULL GASKET KIT SETS 38 HP PUMPS	5	NOS.
7	FOOT VALVE DIA 8" INCH (MATERIAL: IRON)	5	NOS.
8	FUEL INJECTOR NOZZLE	5	NOS.
9	FUEL PIPE (PUMP TO FILTER)	5	NOS.
10	FUEL PUMP ELEMENT PLUNGER	5	NOS.
11	FUEL PUMP TAPED WITH ROLER PIN	3	NOS.
12	FUEL TANK CAP	5	NOS.
13	GLAND PACKING (GLAND DORI)	20	KG
14	GOVERNER	5	NOS.
15	IRON ANGLE (5 SOOT)	40	KG
16	JOINT NUT BOLTS	20	KG
17	M.S IRON ROD (5 SOOT)	40	FT
18	M.S CLIPS WITH BIG NUTS 8 INCH DIA HEAVY DUTY	50	NOS.
19	OIL PUMP	5	NOS.
20	PISTON SLEEP KIT COMPLETE SETS	5	NOS.
21	PLUNGER VALVE	5	NOS.
22	PUMP BEARING	15	NOS.
23	PUMP ENGINE COUPLING M/F	10	NOS.
24	PUMP SEAL 3" INCH	10	NOS.
25	RUBBER PACKING 8INCH	21	NOS.
26	SILENCER	2	NOS.
27	SILENCER (BHATTI)	2	NOS.
28	STARTING KEY	5	NOS.
29	STARTING TASS	5	NOS.
30	TROLLEY WHEEL (IRON MADE) PAIR	12	NOS.
31	VALVE TAPPET	5	NOS.
32	WATER BODY	2	NOS.
33	WHEEL SEAL (MAIN SEAL)	5	NOS.
34	3" GADDAR (IRON)	30	FT
35	8" INCH BAND WITH NIPPLE WELDED	5	NOS.
36	8" INCH FLUNCH WITH NOSEL WELDED	10	NOS.
37	SUCTION PIPE DIA 8" INCH (LENGTH:20 FEET), TYPE: DATSUN, DIAMETER: 8 INCHES, LENGTH: 20 FEET, COMPATIBILITY: 38HP METRO ENGINE & 30 HP CHIEF (DIESEL ENGINE), TYPE: DATSUN, MATERIAL: HIGH-STRENGTH MATERIAL	3	NOS.

FOR FURTHER DETAILS  
OF SPARE PARTS, THE  
INTERESTED ELIGIBLE  
BIDDER MAY CONTACT  
AD (P) PDMA, SINDH,  
KARACHI.



38	DELIVERY PIPE DIA 8" INCH (LENGTH:100 FEET), DIAMETER: 8 INCHES (NOMINAL), LENGTH: 100 FEET, MATERIAL: HEAVY-DUTY, REINFORCED CANVAS WITH A HIGH RESISTANCE TO WEAR AND ENVIRONMENTAL FACTORS, COMPATIBILITY: DESIGNED FOR USE WITH THE 38HP METRO & 30HP CHIEF DIESEL ENGINE, FLEXIBILITY: THE CANVAS CONSTRUCTION ALLOWS FOR FLEXIBLE INSTALLATION IN TIGHT OR DYNAMIC SPACES WHILE MAINTAINING STRUCTURAL INTEGRITY, DURABILITY: BUILT TO WITHSTAND MODERATE PRESSURE AND HIGH-TEMPERATURE ENVIRONMENTS TYPICAL IN ENGINE SYSTEMS	10	NOS.
ANGLE 32 HP DIA 6 INCH TROLLEY WHEEL			
SR.#	SPARE PARTS ITEMS	TOTAL QUANTITY	UNIT
1	AIR CLEANER	4	NOS.
2	ANGLE IRON FOR FRAME 3X3X3/16	30	KG
3	WATER BODDY BELT V67	3	NOS.
4	CONNECTING ROAD	4	NOS.
5	COUPLING SET	4	NOS.
6	CR BEARING	4	NOS.
7	DIESEL FUEL FILTER	4	NOS.
8	ENGINE FULL GASKET KIT SETS PUMPS	4	NOS.
9	FUEL INJECTOR NOZZLE	4	NOS.
10	FUEL PIPE (PUMP TO FILTER)	4	NOS.
11	FUEL PIPE (PUMP TO INJECTOR)	4	NOS.
12	FUEL PUMP ELEMENT PLUNGER	3	NOS.
13	FUEL PUMP TAPED WITH ROLER PIN	4	NOS.
14	GOVERNER LEVER SETS	4	NOS.
15	NUTS & BOLTS	12	KG
16	OIL FILTER	4	NOS.
17	OIL PUMP	2	NOS.
18	PISTON SLEEP KIT COMPLETE SETS	2	NOS.
19	PLUNGER VALVE	3	NOS.
20	PULLY MALE/FEMALE WITH RUBBER GOTKA	6	NOS.
21	PUMP BEARING	6	NOS.
22	SILENCER	2	NOS.
23	STARTING KEY	4	NOS.
24	STARTING TASS	4	NOS.
25	TROLLEY WHEEL (RUBBER WHEEL) FRAME PAIR, SIZE 3.5-8 RIM SIZE:9"	8	NOS.
26	VALVE TAPPET	4	NOS.
27	WATER BODY	3	NOS.
28	WHEEL SEAL (MAIN SEAL)	4	NOS.
29	5 SOOT SARIA 60GRADE	50	KG
CHIEF 30 HP DIA 8 INCH			
SR.#	SPARE PARTS ITEMS	TOTAL QUANTITY	UNIT
1	AIR CLEANER (AIR OUTLET)	19	NOS.
2	BELT V67	19	NOS.
3	CONNECTING ROAD	11	NOS.
4	CR BEARING	11	NOS.
5	ENGINE FULL GASKET KIT SETS 30 HP PUMPS	21	NOS.
6	FUEL INJECTOR NOZZLE	21	NOS.
7	FUEL PIPE (PUMP TO FILTER)	21	NOS.

FOR FURTHER DETAILS OF SPARE PARTS, THE INTERESTED ELIGIBLE BIDDER MAY CONTACT AD (P) PDMA, SINDH, KARACHI.



8	FUEL PIPE (PUMP TO INJECTOR)	21	NOS.
9	FUEL PUMP ELEMENT PLUNGER	21	NOS.
10	FUEL PUMP TAPED WITH ROLER PIN	21	NOS.
11	GOVERNER LEVER SETS	21	NOS.
12	IRON WHEEL (8" INCH)	42	NOS.
13	PISTON SLEEP KIT COMPLETE SETS	21	NOS.
14	SILENCER	21	NOS.
15	VALVE TAPPET	21	NOS.
16	WATER BODY	21	NOS.
17	WHEEL SEAL (MAIN SEAL)	21	NOS.
24 HP MERAJ (MODEL MT- 4 (4"X4") SERIAL NO: 0321			
SR.#	SPARE PARTS ITEMS	TOTAL QUANTITY	UNIT
1	AIR CLEANER	51	NOS.
2	BATTERY CHARGING WIRE (ENGINE: MF 240)1X35MM2 450/750V	3	COILS
3	BATTERY TERMINAL COPPER	110	NOS.
4	DIESEL MOTOR (HEP-02A 12V DC)	80	NOS.
5	DIESEL PUMP DATT	50	NOS.
6	DIESEL PIPE (RUBBER) 1" INCH DIA	320	METER
7	FAN BELT (32)	75	NOS.
8	FAN BELT (30)	75	NOS.
9	FOOT VALVE WITH WELDED NIPPLE FLUNCH (4" INCH DIA)	62	NOS.
10	FOUNDATION NUT BOLTS DIFFERENT SIZES	79	KG
11	FUEL PIPE IRON	55	NOS.
12	FUEL TANK CAP	42	NOS.
13	FUEL TANK COCK/TEE	40	NOS.
14	GASKET	47	NOS.
15	CHARGING GENERATORS (PARIS-RHONE, A12-12R48-B12V, 40A)	20	NOS.
16	HEAT MOTOR	41	NOS.
17	HEAT PLUG	90	NOS.
18	INSTANTANEOUS COUPLING MALE/FEMALE	16	NOS.
19	JUBILLE HOSE CLIPS (SIZED(MIN)D MAX) 9.5-12MM,11-16MM,13-20MM,18-22MM, TO 90-120MM,800-900MM)	400	NOS.
20	KEY SWITCH	49	NOS.
21	LEFTY PUMP	47	NOS.
22	DIESELL OIL FILTER	64	NOS.
23	OIL FILTER	64	NOS.
24	OIL PLUG	59	NOS.
25	PUMP RUBBER SEAL (4" INCH) (KEY SEAL M/F)	620	NOS.
26	PUMP SHAFT BEARING	72	NOS.
27	RACE ACCELATOR CABLE	41	NOS.
28	RADIATOR BELT	85	NOS.
29	RADIATOR CAP	44	NOS.
30	RADIATOR FAN (ENGINE: MASSEY FERGUSON MF 240)	34	NOS.
31	SILENCER	33	NOS.
32	SILENCER (BHATTI)	33	NOS.
33	SELF COMPLETE SET	18	NOS.
34	MS CLIPS 4" INCH DIA (FOR SUCTION & DELIVERY PIPES)	520	NOS.
35	THIMBLE (COPPER)	142	NOS.
36	TIRE & RIME (MEHRAN 145 R-12C)	1	NOS.

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37	WATER BODY COOLING		20	NOS.
38	SUCTION PIPE DIA 4" INCH (LENGTH:20 FEET), TYPE: PVC HEAVY DUTY, DIAMETER: 4 INCHES, LENGTH: 20 FEET, COMPATIBILITY: 24HP DIESEL ENGINE, MATERIAL: HIGH-STRENGTH MATERIAL		12	NOS.
39	DELIVERY PIPE DIA 4" INCH (LENGTH:100 FEET), TYPE: CANVAS, DIAMETER: 4 INCHES (NOMINAL), LENGTH: 100 FEET, MATERIAL: HEAVY-DUTY, REINFORCED CANVAS WITH A HIGH RESISTANCE TO WEAR AND ENVIRONMENTAL FACTORS, COMPATIBILITY: DESIGNED FOR USE WITH THE 24HP, 16HP, 8HP DIESEL ENGINE & 6.5HP SMALL PATROL ENGINE, FLEXIBILITY: THE CANVAS CONSTRUCTION ALLOWS FOR FLEXIBLE INSTALLATION IN TIGHT OR DYNAMIC SPACES WHILE MAINTAINING STRUCTURAL INTEGRITY, DURABILITY: BUILT TO WITHSTAND MODERATE PRESSURE AND HIGH-TEMPERATURE ENVIRONMENTS TYPICAL IN ENGINE SYSTEMS		12	NOS.
24 HP MERAJ - MODEL MT- 4 (4"X4") SERIAL NO: 2XKDF00800				FOR FURTHER DETAILS OF SPARE PARTS, THE INTERESTED ELIGIBLE BIDDER MAY CONTACT AD (P) PDMA, SINDH, KARACHI.
SR.#	SPARE PARTS ITEMS	TOTAL QUANTITY	UNIT	
1	AIR CLEANER	10	NOS.	
2	AUTOMAZER	14	NOS.	
3	BATTERY TERMINAL (COPPER)	28	NOS.	
4	DIESEL MOTOR	10	NOS.	
5	DIESEL PUMP DATT	10	NOS.	
6	DIESEL PIPE (DIA 8MM)	20	METER	
7	FOOT VALVE WITH WELDED NIPPLE FLUNCH 4" INCH DIA	10	NOS.	
8	FUEL PIPE (DIA 1.5" INCH), LENGTH - 1 FT, WITH TEE (THREADED) BOTH SIDES	80	NOS.	
9	FUEL TANK CAP	10	NOS.	
10	FUEL TANK COCK/TEE	8	NOS.	
11	HEAD GASKET	12	NOS.	
12	CHARGING GENERATORS	5	NOS.	
13	HEAT MOTOR	10	NOS.	
14	HEAT PLUG	24	NOS.	
15	INSTANTANEOUS COUPLING MALE/FEMALE	5	NOS.	
16	TYPE -C FEMALE CAMP LOCK (LONG HOZE TAIL) COUPLING	10	NOS.	
17	KEY SWITCH	10	NOS.	
18	LEFTY PUMP	10	NOS.	
19	DIESEL OIL FILTER	14	NOS.	
20	OIL COOLING PIPE	14	NOS.	
21	OIL FILTER	14	NOS.	
22	OIL GUAGE METER	10	NOS.	
23	OIL PLUG	15	NOS.	
24	PLUNGER	20	NOS.	
25	PUMP BEARING	20	NOS.	
26	PUMP SHAFT BEARING	20	NOS.	
27	RACE ACCELATOR CABLE	14	NOS.	
28	SILENCER MUFFLER WITH EXHAUST PIPE FOR 24 HP DIESEL ENGINE	10	NOS.	
29	SELF COMPLETE SET (MODEL:QDJ1230, 12V, 1.6KW, APPLICATION:292, 9 TEETH)	5	NOS.	
30	TAPPET COVER	5	NOS.	
31	THIMBLE (COPPER)	28	NOS.	
16 HP PUMP DIA 6" INCH				
SR.#	SPARE PARTS ITEMS	TOTAL QUANTITY	UNIT	



1	AIR CLEANER (AIR OUTLET)	20	NOS.
2	CONNECTING ROAD	15	NOS.
3	COOLING NOSEL	17	NOS.
4	CR BEARING	12	NOS.
5	FOOT WALL (DIA 6" INCH) MATERIAL: IRON	17	NOS.
6	FUEL INJECTOR NOZZLE	17	NOS.
7	FUEL PUMP ELEMENT PLUNGER	20	NOS.
8	FUEL PUMP TAPED WITH ROLER PIN	15	NOS.
9	FUEL TANK	14	NOS.
10	FUEL GOVERNOR	15	NOS.
11	HANDLE STARTING KEY	15	NOS.
12	NUT BOLT WITH WASHER DIFFERENT SIZES	40	KG
13	OIL FILTER	20	NOS.
14	OIL PUMP	20	NOS.
15	PISTON SLEEP KIT COMPLETE SETS	20	NOS.
16	PLUNGER VALVE	20	NOS.
17	PUMP BEARING (PAKHA)	20	NOS.
18	PUMP COUPLING	20	NOS.
19	RUBBER PACKING 6 INCH DIA	200	NOS.
20	SILENCER	15	NOS.
21	SMALL RUBBER PIPE (DIA 1" INCH)	210	FT
22	STARTING TASS	17	NOS.
23	TAPPET COVER	12	NOS.
24	TROLLEY WHEEL (IRON MADE) PAIR, SIZE:6" INCH, THICKNESS: 6MM	70	NOS.
25	VALVE TAPPET	18	NOS.
26	WHEEL SEAL (MAIN SEAL)	23	NOS.
27	6" INCH BAND WITH 1" INCH NIPPLE WELDED	18	NOS.
28	6" INCH FLUNCH WITH WELDED NOSEL	56	NOS.
29	SUCTION PIPE DIA 4" INCH (LENGTH:10 FEET), DIAMETER: 4 INCHES, LENGTH: 10 FEET, COMPATIBILITY: 16HP, 8HP DIESEL ENGINE, TYPE: PVC (HEAVY DUTY), MATERIAL: HIGH-STRENGTH MATERIAL	6	NOS.
8 HP SMALL DIESEL ENGINE DIA 4" INCH			
SR.#	SPARE PARTS ITEMS	TOTAL QUANTITY	UNIT
1	AIR CLEANER (AIR OUTLET)	26	NOS.
2	CONNECTING ROAD	18	NOS.
3	COUPLING JOINT BELT (4" INCH SIZE)(HARD PATT)	58	FT
4	COUPLING JOINT BELT (6" INCH SIZE)(HARD PATT)	58	FT
5	CR BEARING	14	NOS.
6	ENGINE FULL GASKET KIT SETS PUMPS	14	NOS.
7	FUEL INJECTOR NOZZLE	14	NOS.
8	FUEL PIPE (PUMP TO FILTER)	14	NOS.
9	FUEL PIPE (PUMP TO INJECTOR)	14	NOS.
10	FUEL PUMP ELEMENT PLUNGER	14	NOS.
11	FUEL PUMP TAPED WITH ROLER PIN	14	NOS.
12	FUEL TANK 8HP DIESEL ENGINE MODEL R180	12	NOS.
13	FUEL TEE	20	NOS.
14	IRON WHEEL (DIA 4" INCH)	56	NOS.
15	OIL FILTER	14	NOS.
16	OIL GUAGE	14	NOS.

FOR FURTHER DETAILS OF SPARE PARTS, THE INTERESTED ELIGIBLE BIDDER MAY CONTACT AD (P) PDMA, SINDH, KARACHI.



17	OIL PUMP	14	NOS.
18	PISTON SLEEP KIT COMPLETE SETS	14	NOS.
19	PLUNGER VALVE	14	NOS.
20	PUMP BEARING	22	NOS.
21	SILENCER	12	NOS.
22	STARTING TASS	14	NOS.
23	VALVE TAPPET	14	NOS.
24	WHEEL SEAL (MAIN SEAL)	14	NOS.
25	4" INCH FLUNCH WITH NIPLE WELDED	14	NOS.
26	4" INCH FLUNCH WITH NOSEL WELDED	20	NOS.
<b>6.5 HP SMALL PATROL ENGINE (DIA 4" INCH)</b>			
SR.#	SPARE PARTS ITEMS	TOTAL QUANTITY	UNIT
1	MS CLIPS (4" INCH) FOR SMALL PATROL ENGINE	160	NOS.
2	RUBBER PACKING SMALL PATROLL ENGINE	150	NOS.
3	4" INCH SPANNER WATER IN AND EX JOINT(AL) COUPLING M/F	100	NOS.
4	WATER INLET STRAINER (PLASTIC ) FOOT VALVE	84	NOS.
<b>6.5 HP SMALL PATROL ENGINE (DIA 3" INCH)</b>			
SR.#	SPARE PARTS ITEMS	TOTAL QUANTITY	UNIT
1	BIG SEAL RING	45	NOS.
2	BLOCKER	45	NOS.
3	CARBORATOR, SIZE:3	10	NOS.
4	CRANK CASE COVER (LOW)	12	NOS.
5	CRANK SHAFT RECTANGLE	15	NOS.
6	ENGINE AIR FILLER	105	NOS.
7	FOOT VLVE (PLASTIC)	105	NOS.
8	FRAME FOR ENGINE	10	NOS.
9	FUEL TANK	15	NOS.
10	GAS KIT COMPLETE SET	35	NOS.
11	GOVERNER SOCKET	30	NOS.
12	IGNATOR COIL	20	NOS.
13	IMPELLER	15	NOS.
14	MUFFLER (SILENCER)	35	NOS.
15	OIL GUAGE	55	NOS.
16	PLUG	105	NOS.
17	PUMP CASE	25	NOS.
18	RECOIL STARTER ASSY (IRON)	55	NOS.
19	3" INCH SPANNER JOIT COUPLING SETS M/F	369	NOS.
20	STOP SWITCH	60	NOS.
21	SWIRLING SHELL	25	NOS.
22	WATER ENVELOP	55	NOS.
23	WATER OUTLET	15	NOS.
24	WATER SEAL SIZE:3"X3"	105	NOS.
25	DELIVERY PIPE DIA 3" INCH (LENGTH: 100 FEET), TYPE: CANVAS, DIAMETER: 3 INCHES (NOMINAL), LENGTH: 100 FEET, MATERIAL: HEAVY-DUTY, REINFORCED CANVAS WITH A HIGH RESISTANCE TO WEAR AND ENVIRONMENTAL FACTORS, COMPATIBILITY: DESIGNED FOR USE WITH THE 6.5HP SMALL PATROL ENGINE, FLEXIBILITY: THE CANVAS CONSTRUCTION ALLOWS FOR FLEXIBLE INSTALLATION IN TIGHT OR DYNAMIC SPACES WHILE MAINTAINING STRUCTURAL INTEGRITY, DURABILITY: BUILT TO WITHSTAND	25	NOS.

FOR FURTHER DETAILS OF SPARE PARTS, THE INTERESTED ELIGIBLE BIDDER MAY CONTACT AD (P) PDMA, SINDHI, KARACHI.



	MODERATE PRESSURE AND HIGH-TEMPERATURE ENVIRONMENTS TYPICAL IN ENGINE SYSTEMS			
JHATTA 12" INCH DIA				
SR.#	SPARE PARTS ITEMS	TOTAL QUANTITY	UNIT	
1	FOOT VALVE TIKKI (12" INCH)	59	NOS.	
2	GLAND PACKING (GLAND DORI) KG	18	NOS.	
3	JHATTA BEARING	34	NOS.	
4	M/S CLIPS BIG NUTS DIA 12 INCH DIA HEAVY DUTY	49	NOS.	
5	NUTS & BOLT WITH WASHER	300	KG	
6	NUTS & BOLTS (5 SOOT, 5 INCH)	100	KG	
7	RING FOR JOINT SUCTION (SET=12 JOINTS)	3	NOS.	
8	RING JOINT FOR DELIVERY (SET=12 JOINTS)	3	NOS.	
9	RUBBER PACKING 12 INCH DIA	120	NOS.	
10	SHAFT BUSH TIKKI	62	NOS.	
11	5 FT SHAFT	24	NOS.	
12	SUCTION PIPE FOR TRACTOR JHATTA DIA 12" INCH, DIAMETER: 12 INCHES, LENGTH: 15 FEET, COMPATIBILITY: TRACTOR JHATTA, TYPE: IRON MADE, MATERIAL: HIGH-STRENGTH METAL	2	NOS.	
13	DELIVERY PIPE FOR TRACTOR JHATTA DIA 12" INCH, DIAMETER: 12 INCHES, LENGTH: 15 FEET, COMPATIBILITY: TRACTOR JHATTA, TYPE: IRON MADE, MATERIAL: HIGH-STRENGTH METAL	2	NOS.	
14	DELIVERY PIPE FOR TRACTOR JHATTA DIA 12" INCH, DIAMETER: 12 INCHES (NOMINAL), LENGTH: 100 FEET, MATERIAL: HEAVY-DUTY, REINFORCED CANVAS WITH A HIGH RESISTANCE TO WEAR AND ENVIRONMENTAL FACTORS, COMPATIBILITY: DESIGNED FOR USE WITH THE JHATTA TRACTOR	30	NOS.	

### THE DETAILS OF BATTERIES AND ENGINE OIL

1	BATTERY (17 PLATES PER CELL & 12V, 100 AH), A 17-PLATE BATTERY IS TYPICALLY A 12V LEAD-ACID BATTERY USED FOR AUTOMOTIVE, SOLAR, OR BACKUP POWER APPLICATIONS. VOLTAGE: 12V, PLATES PER CELL: 17 (USUALLY 9 POSITIVE AND 8 NEGATIVE) CAPACITY: 90AH – 100AH	232	NOS.	
2	ENGINE OIL 15W-40, VISCOSITY GRADE: SAE 15W-40, MULTI-GRADE ENGINE OIL FOR DIESEL AND GASOLINE ENGINES, ESPECIALLY IN TRUCKS, HEAVY MACHINERY, AND GENERATORS, WITH EXCELLENT LUBRICATION, WEAR PROTECTION, AND THERMAL STABILITY.	2576	LTRS.	