

BIOS

SERVING HUMANITY WITH TECHNOLOGY

OUR REF: BIOS/K-Q/02/40/23

March 2, 2023

Executive Director,
Shaheed Mohtarma Benazir Bhutto Institute of Trauma,
Karachi.

Sub: TENDER REFERENCE# PROC/SMBBIT/(P&M-04)/2022-23 FOR "PROCUREMENT OF GENERAL ITEMS & MACHINERY PARTS & CONSUMABLES"

Dear Sir,

With reference to your enquiry, we are pleased to quote our lowest price for the following items:

SECTION P: PHYSIOTHERAPY RELATED ITEMS

S.No.	Description	Qty.	Unit Price DDP in PKR	Total Price DDP in PKR
1	Reflex Hammer – as Standard	10	6,300.00	63,000.00
2	Goniometry Case - as Standard	1	3,600.00	3,600.00
3	Hot Pack (Cervical, Lumber, Shoulder, Knee) – Standard Dimension	20	565.00	11,300.00
4	Cold Pack (Cervical, Lumber, Shoulder, Knee) - Standard Dimension	20	565.00	11,300.00
5	Therapeutic K-Tape - Standard Size	50	1,575.00	78,750.00
6	Electrodes with Leads Rubber Made (Compatible with TENS Machine)	10	790.00	7,900.00
7	Adjustable Walkers - Standard	2	7,800.00	15,600.00
8	Crutches - Axillary	1 Pair	5,300.00	5,300.00
9	Crutches - Elbow	1 Pair	3,250.00	3,250.00
10	Canes - Tripod	1	3,250.00	3,250.00
11	Canes - Tetrapod	1	3,250.00	3,250.00
12	Exercise Mats - Standard Size	5	3,400.00	17,000.00
13	Thera band all 05 Colors / 45 Meter Roll	1	875.00	875.00
14	Exercise Wrist Band Weights (0 to 5 Kg)	2	2,800.00	5,600.00
15	Swiss Ball Size - Medium	1	3,800.00	3,800.00

Head Office:

2nd, Floor Building No. 2C
12 Commercial, Phase II Ext.
D.H.A. Karachi-Pakistan
Ph: 021-35891031 / 021-35891032
Fax: 021-35891033
E-mail : info@bios.pk
Web.: www.bios.pk

Lahore Office:

Office No. 1110-1110A & 1111,
11th Floor, High-Q Tower,
Gulberg-5, Jail Road, Lahore.
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E-mail : info@bios.pk
Web.: www.bios.pk

Islamabad Office:

Office No. 103, Royal Center,
Fazal-e-Haq Road,
Blue Area, Islamabad
Phone : 051-2806182
E-mail: info@bios.pk
Web.: www.bios.pk

Peshawar Office:

TF 118, Deans Trade Center Saddar,
Peshawar Cantt, Khyber Pakhtunkhwa,
Peshawar
Ph: 0312-9961582 / 091-5253065
E-mail: info.peshawar@bios.pk
Web.: www.bios.pk

Quetta Office:

Office No. 7
2nd Floor Malik Plaza
M.A. Jinnah Road Quetta
Web.: www.bios.pk

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B I O S

SERVING HUMANITY WITH TECHNOLOGY


16	Swiss Ball Size - Large	1	4,300.00	4,300.00
17	Dumbbells 1Kg	2 Pair	830.00	1,660.00
18	Dumbbells 2Kg	2 Pair	1,230.00	2,460.00
19	Dumbbells 3Kg	2 Pair	1,650.00	3,300.00
20	Shoulder Wheel	1	21,600.00	21,600.00
21	Shoulder Abduction Ladder	2	50,000.00	100,000.00
22	Rehabilitation Stairs	1	109,000.00	109,000.00
23	Percussors	5	6,300.00	31,500.00
24	Wrist Roller	1	33,000.00	33,000.00

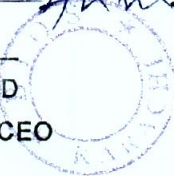
TERMS & CONDITIONS:

VALIDITY	:	90 Days.
DELIVERY	:	30 Days.
INSTALLATION	:	Will be provided by our engineers.
PAYMENT	:	As per tender terms and conditions.
EARNEST MONEY	:	Attached in shape of Pay Order no. <u>09709766</u> Dated: February 28, 2023

The above offer is very special offer and we hope that you will place your valued order to us at your earliest for which we thank you in advance.

Thanking you,
Yours faithfully,


MUNIR AHMED
Founder and CEO















FINANCIAL PROPOSAL

OUR REF: TL / K (M) 110 / 2022 - 2023

28th february, 2023

SMBB TRAUMA CENTRE

Karachi

Subject : PROCUREMENT OF GENERAL ITEMS & MACHINERY PARTS & CONSUMABLES

Dear Sir,

With reference to your enquiry, we are pleased to quote our best price for the following item on
FOR basis.

SECTION P: PHYSIOTHERAPY RELATED ITEMS:					
S.#	Item Name & Description	Req. Qty.	U.O.M	UNIT PRICE	TOTAL PRICE
01	Reflex Hammer - as Standard	10	Nos.	500.00	5,000.00
02	Goniometry Case - as Standard	1	Nos.	1,500.00	1,500.00
03	Hot Pack (Cervical, Lumber, Shoulder, Knee) — Standard Dimension	20	Each	5,000.00	100,000.00
04	Cold Pack(Cervical, Lumber, Shoulder, Knee) - Standard Dimension	20	Each	1,200.00	24,000.00
05	Therapeutic K-Tape - Standard Size	50	Each	2,500.00	125,000.00
06	Electrodes with Leads Rubber Made (Compatible with TENS Machine)	10	Packs	1,500.00	15,000.00
07	Adjustable Walkers - Standard	2	Pcs.	10,000.00	20,000.00
08	Crutches - Axillary	1	Pair	9,000.00	9,000.00
09	Crutches - Elbow	1	Pair	8,000.00	8,000.00
10	Canes - Tripod	1	Each	4,400.00	4,400.00
11	Canes - Tetrapod	1	Each	5,200.00	5,200.00
12	Exercise Mats - Standard Size 10mm	5	Pcs	7,000.00	35,000.00
13	Theraband all 05 Colors / 45 Meter Roll	1	1 Meter Each	1,100.00	1,100.00
14	Exercise Wrist Band Weights (0 to 5 Kg) Set	2	Nos.	45,000.00	90,000.00
15	Swiss Ball Size - Medium	1	Nos.	6,000.00	6,000.00
16	Swiss Ball Size - Large	1	Nos.	7,000.00	7,000.00

Head Office: 4/11-12, Rimpa Plaza, M. A. Jinnah Road, Karachi, Pakistan
Tel: (92-21) 32734260-61, 32722047, 32729426 Fax: (92-21) 32730728
E-mail: info@technologylinks.com.pk Website: www.technologylinks.com.pk

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17	Dumbbells 1Kg	2	Pair	5,000.00	10,000.00
18	Dumbbells 2Kg	2	Pair	9,600.00	19,200.00
19	Dumbbells 3Kg	2	Pair	15,000.00	30,000.00
20	Shoulder Wheel Specification: - Type III	1	Nos.	25,000.00	25,000.00
21	Shoulder Abduction Ladder Specification: - Wall Bars - Simple Model	2	Nos.	45,000.00	90,000.00
22	Rehabilitation Stairs Specification: - Exercise Stairs - Right Angles Version	1	Nos.	110,000.00	110,000.00
23	Percussor Specification: - Hammer, Bucks, Queens and Taylors Set	5	Nos.	9,000.00	45,000.00
24	Wrist Roller Specification: - with Adjustable Resistance	1	Nos.	15,000.00	15,000.00
(LOCAL MADE)					
TOTAL PRICE					800,400.00

TERMS AND CONDITIONS:

PRICE : FOR

VALIDITY : 90 Days

DELIVERY : 2-3 month after confirm purchase order

Sincerely Yours,
TECHNOLOGY LINKS (PVT) LTD.,

MEDICAL DIVISION



DAZZLING TRADERS

IMPORTER EXPORTER AND MANUFACTURE

(ANNEXURE-B)

Ref: _____

Date: _____

SCHEDULE OF REQUIREMENT /BILL OF QUANTITIES (BOQ) OF SHAHEED MOHTARMA BENAZIR
BHUTTO INSTITUTE OF TRAUMA (SMBBIT), KARACHI
Tender Ref. #: PROC/SMBBIT/P&M-04/2022-23

Tender 'BID OFFER' with Unit Price (Single stage single envelope procedure)

Ref NIT#PROC/SMBBIT/2022-23/409 (PROCUREMENT OF GENERAL ITEMS & MACHINERY PARTS)

TENDER SECTION "O": OTHER MISCELLANEOUS ITEMS

TENDER Serial No.	Item Description	Req Qty	UOM	Unit Price PKR Rs	Total Amount in PKR Rs
03	Gel Mattress for HDU and ICU Beds	15	No's	40,000	600,000.00
3A	Rexene Mattress cover with Zip	15	No's	4,000	
04	Patient Bed Mattress for HDU & ICU beds	50	No's	20,000	1,000,000.00
4A	Rexene Mattress cover with Zip	50	No's	4,000	

*Total amount / Cost offered in words Rs : One million six hundred thousand only.

TOTAL AMOUNT / COST OFFERED in PKR Rs = 1,600,000.00

SECURITY DEPOSIT 5% in PKR Rs = 80,000.00

DAZZLING TRADERS
Proprietor

Signature
salman Ahmed
Proprietor
Cell: 0300-8252082

Office Karachi: A1/5, Iqbal Cloth Market, M.A. Jinnah Road Karachi.

HOSPITAL SOLUTIONS

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Email: info@hospitalsolutionspk.com

Website: www.hospitalsolutionspk.com

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FINANCIAL QUOTATION

HS-TQU-024/23

Dated: 01-03-2023

TENDER REFERENCE # PROC/SMBBIT/(P&M-04)2022-23
"PROCUREMENT OF GENERAL ITEMS & MACHINERY PARTS & CONSUMABLES"
DUE ON 02-03-2023.

To,
Executive Director / D.D.O
SMBB Institute of Trauma,
Karachi.

S. #	Name and Specifications of Items	Name of Manufacturer	Country of Origin	Required Quantity	Unit Price In Figures & Words	Total Amount In Figures & Words
1	2	3	4	5	6	7
11	<p>UPS 2 KVA Online Pure Sinware</p> <p>Specifications:</p> <ul style="list-style-type: none">-Power:-Power in VA: 2000-Power in W: 1800-Autonomy Time:-With internal batteries in Minutes: 7/15-100% / 50% Load:-Internal Batteries + 1 x battery pack: 35/74-(cos. Phi 0,7). Longer autonomy times on request (XL)-Technology:-Online Double Conversion: VFI-SS-111 in accordance with IEC 62040-3-Phase:-Input / Output: 1-phase / 1-phase-Input:-Nominal Voltage: 220/230/240 VAC-Input Voltage Range: 110-300 VAC-Input Frequency Range: 50/60 Hz (Auto-Sensing)-Output:-Output Voltage: 220/230/240 VAC-Voltage Regulation: $\pm 2\%$-Frequency Range: 50 Hz or 60 Hz ± 1 Hz-Transfer Time: None-Overload Capability (Line Mode): $<110\%$ für 1min. $<150\%$ für 30 sec.-Voltage Form: Sine wave-Efficiency:-ECO Mode: Max. 94%-Battery:-Type: Maintenance free lead-acid battery-Life Time: 5 Years, Optional 10 Years-Charging current (max): 1.5 A Standard / 8 A XL-Version-Recharging Time: ca. 6 h / 90% capacity / XL depending on the equipment-Communication:-Interface: RS232, USB, EPO-Slot for further communication cards: Optional relay contacts or SNMP card-Display: LC-Display-Dimension / Weight:-Dimension (H x W x D in mm): 220 x 145 x 400 - 347 x 192 x 460-Dimension of battery extension (HxBxD in mm) Optional: 220 x 145 x 400 - 347 x 192 x 460-Weight USV (Standard / XL): 13 kg / 7 kg - 31 kg / 13 kg-Weight Battery Pack: depending on the quantity of batteries-Protection: IP 20 (optionally higher protection class possible)	EFFEKTA	GERMANY	6	353,000 Rupees: Three Hundred Fifty Three Thousand Only.	2,118,000 Rupees: Two Million One Hundred Eighteen Thousand Only.

Validity: As Per T.E

Delivery Terms: As Per T.E.

Service Terms: As Per T.E & Warranty as Per T.E.

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H. No. 174/E, P.E.C.H.S., Block-2, Karachi. Tel : 92-21-34526671-2

Lahore Office : Office No. 10, 2nd Floor, Queen's Centre, Near Total Petrol Pump, Queens Road, Lahore.



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DUE ON 02-03-2023.

To,
Executive Director / D.D.O
SMBB Institute of Trauma,
Karachi.

S. #	Name and Specifications of Items	Name of Manufacturer	Country of Origin	Required Quantity	Unit Price In Figures & Words)	Total Amount In Figures & Words)
1	2	3	4	5	6	7
12	<p>-Terminal: -Input: IEC (10 A) - IEC (16 A); MCI3000XL (hard wired) -Output: 3 x IEC C13 (10 A) - 6 x IEC C13 (10 A) (4xIEC C13 (10A) 1xIEC C19 (16 A) -Environmental: -Temperature: 0°C - 40°C, 20°C recommended -Humidity: 0-90 % RH @ 0-40°C (non-condensing) -Acoustic Noise: < 50 db -Safety / Enclosure: -Safety: EN 62040-1 -EMC: EN 62040-1 -Certifications: CE</p> <p>On Line Double Conversion 15kVA UPS with 3 Phase In and 3 Phase Out Model: PEGASUS II 15KVA 31/33</p> <p>Features: -UPS Classification VFI-SS111 (IEC 62040-3) -On-Line Double Conversion -PFC Rectifier with IGBT Technology -Modular Technology -Modules with progressive self diagnostics -High Efficiency -Sine Wave Output -Digital Signaling Processor -Clearly Arranged LCD Display -RS232 and expandibility for various interfaces (SNMP, Relays, RS485/Modbus) -Low Weight</p> <p>Specifications -Power: 15kVA / 12kW -Efficiency (AC-AC) - % (ECO-mode): >98 -Efficiency (AC-AC) - % (online-mode, 100% load): >92 -Input: -Voltage Nominal: 3-ph. 400VAC -Voltage Range: 300-400-415VAC-20% / +15% -Frequency Range: 50Hz - 60Hz ± 5Hz -Power Factor: >0.99 -Output: -Voltage: 380-415VAC selectable -Frequency: 50Hz or 60Hz ± 0.001Hz (battery mode) = 2Hz synchronized mains -Waveform: sinusoidal -Nominal Output Current at cos phi 0.8 / 1.0: 3/1 ph & 3/3 ph: 65/52/A & 22/18A -THD: < 2% (linear load), < 5% (nonlinear load), IEC 62040-3 -Crest Factor: 3:1</p>	EFFEKTA	GERMANY	3	3,643,000 Rupees: Ten Million Nine Hundred Twenty Nine Thousand Only	10,929,000 Rupees: Ten Million Nine Hundred Twenty Nine Thousand Only

Validity: As Per T.E

Delivery Terms: As Per T.E

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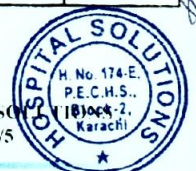
TENDER REFERENCE # PROC/SMBBIT/(P&M-04)2022-23
"PROCUREMENT OF GENERAL ITEMS & MACHINERY PARTS & CONSUMABLES"
DUE ON 02-03-2023.

To,
Executive Director / D.D.O
SMBB Institute of Trauma,
Karachi.

S. #	Name and Specifications of Items	Name of Manufacturer	Country of Origin	Required Quantity	Unit Price In Figures & Words	Total Amount In Figures & Words
1	2	3	4	5	6	7
	-Batteries -Type: Maintenance-free lead-acid batteries -Autonomy: starting 4 min / depending on the battery mounting -Nominal nominal: 720VDC -Charging current: 10A -Charging time: 7-8 h to 90% of full capacity after complete discharge -Switching time: -AC-DC into the bypass: 0ms -Panel: -LCD: Alpha-numeric display with backlight -LED: Diagramm with LEDs -Acoustic alarm: -Can be switched off: Yes -Interface: -RS-232 interface: Yes -SNMP (option): Yes -Potential-free contacts (option): Eight Signals with additional card -Environment: -Temperature: 0-40°C (Battery 0- +25°C) -Humidity: <95% (non-condensing) -Audible noise level (at 1m distance): < 52db -Weight: -Without batteries: 110kg -Maximum incl. internal batteries: 272kg -Dimensions: -HxWxD in mm: 1200 x 450 x 650 -Safety: -Safety: DIN EN 62040-1 -EMC: DIN EN 62040-2, Class C3 -Test CE -Protection: IP-20 -Colour: RAL 7016					
13	On Line Double Conversion 30kVA UPS with 3 Phase In and 3 Phase Out Model: PEGASUS II 30KVA 33 Features: -UPS Classification VFI-SS111 (IEC 62040-3) -On-Line Double Conversion -PFC Rectifier with IGBT Technology -Modular Technology -Modules with progressive self diagnostics -High Efficiency -Sine Wave Output	EFFEKTA	GERMANY	3	4,500,000 Rupees Four Million Five Hundred Thousand Only.	13,500,000 Rupees Thirteen Million Five Hundred Thousand Only.

Validity: As Per T.E.
Delivery Terms: As Per T.E.
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DUE ON 02-03-2023.

To,
Executive Director / D.D.O
SMBB Institute of Trauma,
Karachi.

S. #	Name and Specifications of Items	Name of Manufacturer	Country of Origin	Required Quantity	Unit Price In Figures & Words)	Total Amount In Figures & Words)
1	2	3	4	5	6	7
	<ul style="list-style-type: none"> -Digital Signaling Processor -Clearly Arranged LCD Display -RS232 and expandibility for various interfaces (SNMP, Relays, RS485/Modbus) -Low Weight <p>Specifications</p> <ul style="list-style-type: none"> -Power: 30kVA / 24kW -Efficiency (AC-AC) - % (ECO-mode): >98 -Efficiency (AC-AC) - % (online-mode, 100% load): >92 <p>-Input:</p> <ul style="list-style-type: none"> -Voltage Nominal: 3-ph. 400VAC -Voltage Range: 300-400-415VAC-20% / -15% -Frequency Range: 50Hz - 60Hz ± 5Hz -Power Factor: >0.99 <p>-Output:</p> <ul style="list-style-type: none"> -Voltage: 380-415VAC selectable -Frequency: 50Hz or 60Hz ± 0.001Hz (battery mode) = 2Hz synchronized mains -Waveform: sinusoidal -Nominal Output Current at cos phi 0.8 / 1.0: 3/1 ph 3/3 ph - 44/35A -THD: < 2% (linear load), < 5% (nonlinear load), IEC 62040-3 -Crest Factor: 3:1 <p>-Batteries</p> <ul style="list-style-type: none"> -Type: Maintenance-free lead-acid batteries -Autonomy: starting 4 min / depending on the battery mounting -Nominal nominal: 720VDC -Charging current: 10A -Charging time: 7-8 h to 90% of full capacity after complete discharge <p>-Switching time:</p> <ul style="list-style-type: none"> -AC-DC into the bypass: 0ms <p>-Panel:</p> <ul style="list-style-type: none"> -LCD: Alpha-numeric display with backlight -LED: Diagramm with LEDs <p>-Acoustic alarm:</p> <ul style="list-style-type: none"> -Can be switched off: Yes <p>-Interface:</p> <ul style="list-style-type: none"> -RS-232 interface: Yes -SNMP (option): Yes -Potential-free contacts (option) Eight Signals with additional card <p>-Environment:</p> <ul style="list-style-type: none"> -Temperature: 0-40°C (Battery 0- +25°C) -Humidity: <95% (non-condensing) -Audible noise level (at 1m distance): < 52db <p>-Weight:</p> <ul style="list-style-type: none"> -Without: batteries: 140kg 					

Validity: As Per T.E.
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Dated: 01-03-2023

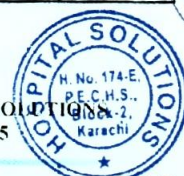
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DUE ON 02-03-2023.

To:
Executive Director / D.D.O
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S. #	Name and Specifications of Items	Name of Manufacturer	Country of Origin	Required Quantity	Unit Price In Figures & Words)	Total Amount In Figures & Words)
1	2	3	4	5	6	7
	<p>-Dimensions: -HxWxD in mm: 1200 x 450 x 650 -Safety: -Safety: DIN EN 62040-1 -EMC: DIN EN 62040-2, Class C3 -Test: CE -Protection: IP-20 -Colour: RAL 7016</p>					

Validity: As Per T.E.
Delivery Terms: As Per T.E.
Service Terms: As Per T.E. & Warranty as Per T.E.

FOR HOSPITAL SOLUTIONS
Page: 5/5



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Lahore Office : Office No. 10, 2nd Floor, Queen's Centre, Near Total Petrol Pump, Queens Road, Lahore.

To,
Shaheed Mohtarma Benazir Bhutto,
Institute of Trauma,
Karachi.

"TENDER OF GENERAL ITEMS & MACHINERY PARTS & CONSUMABLES"
Tender Ref. #: PROC/SMBBIT/(P&M-04)/2022-23"
FOR THE YEAR 2022-23

SECTION A: ASSET NAME: 3000L AIR RESERVOIR MODEL # Y3002 SERIAL # AIR-AZOTE- ARGON-CO2 / (2)						
S #.	Items Description	Specification / Part Ref. #	Req. Qty.	UOM	Quoted Unit Price	Total Price
SECTION E: ASSET NAME: VACUUM PUMP MODEL # E400.2 MV SERIAL # 1400188						
1	Hydraulic Transmission / Oil Filter	(4011558712105) 93x62x71 3/4-16 UNF	4	Nos.	10,000	40,000
2	Lubrication Oil (Vacuum Pump Oil)	Caltex 68	208	ltr.	1,875	390,000
3	Exhaust Filter	30"	2	Nos.	-	-
4	Oil Mist Filter	-	12	Nos.	12,500	150,000
5	MCB Breaker (Schneider) 3-Pole	25A	2	Nos.	35,700	71,400
6	Contacto 3-Pole	LC1D18	6	Nos.	13,000	78,000
7	Timer	230V, (TA23) 50HZ, (KRONOS)	2	Nos.	51,560	103,120
8	Timer	TS60 120 VDC Switch depth behind plate: 2- 1/4"	2	Nos.	56,400	112,800
9	Timer	Switch time repeatable +/- 10%	2	Nos.	30,000	60,000
10	Phase Voltage	ENITHPHEH	1	Nos.	37,500	37,500
11	Overload 3-Pole	LRD 21 Schneider	2	Nos.	10,500	21,000
12	Breaker (Schneider) Single Pole	10A Schneider	8	Nos.	2,000	16,000
13	Selector Switch	2-Way Selector 10A (TS-EN60947-3), CE (IEC 60947-3)	2	Nos.	5,500	11,000
14	Selector Switch	ABB (ON/OFF) (OT63F3)	1	Nos.	5,875	5,875
15	Fuse	50A, 500AC (ELMARK)	3	Nos.	375	1,125
16	DATA Cable 000786	PVC80C 300V	5	meter	6,250	31,250
Total Section E:						1,129,070
SECTION F: ASSET NAME: 75KW COMPAIR COMPRESSOR MODEL # L80						
1	MLS Drive	MLS SCWG4000-120	4	Nos.	105,000	420,000
2	Drive Cell (Lithium Battery)	CR2450 3V	12	Nos.	875	10,500
3	Multi-Purpose Grease	SCWG4000-120 COMPAIR MLS GREASE 120	2	Kg.	3,750	7,500
4	MCB Card (HMI)		2	Nos.	875,000	1,750,000
5	Jaw Coupling Rotex	100005644 55 St	2	Nos.	68,750	137,500
6	Contacto	3RT5054-1AP36 220V	2	Nos.	121,250	242,500
7	Power Transformer	INPUT 0 360 380 400 415 435 V OUTPUT 230V/1.13 24V/2.083A	2	Nos.	113,750	227,500
8	Pneumatic Pipe Transparent	8mm -40 C to + 80 C 18~32 bar	60	meter.	938	56,250
9	Pneumatic Pipe Transparent	4mm -40 C to + 80 C 18~32 bar	60	meter.	800	48,000
10	Pneumatic Pipe Transparent	6mm -40 C to + 80 C 18~32 bar	60	meter.	850	51,000
11	Flexible temperature sensors	(Danfoss) MBT 3270	2	Nos.	62,500	125,000
12	Oil Level Indicator Glass	Transparent	2	Nos.	1,750	3,500
13	Solenoid Valve	6014 C 1/16 FKM BR 00463880 230PSI	2	Nos.	62,500	125,000
14	O-Ring	2mm	250	Nos.	15	3,750

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S #.	Items Description	Specification / Part Ref. #	Req. Qty.	UOM	Quoted Unit Price	Total Price
15	O-Ring	8mm	250	Nos.	30	7,500
16	O-Ring	10mm	250	Nos.	40	10,000
17	O-Ring	12mm	250	Nos.	50	12,500
18	O-Ring	30 Size	1	Ket	11,250	11,250
19	Socket (With Washer, Nut & Screw)	13A 250V	100	Nos.	3,000	300,000
20	Pneumatic Pipe	4mm	100	meter.	625	62,500
21	Quick Fitting (SS) connector	1/8" x 4mm	60	Nos.	313	18,750
22	Quick Fitting (SS) L-Bow	3/8" x 8mm	80	Nos.	413	33,000
23	Quick Fitting L-Bow (Two Side)	4mm x 4mm	60	Nos.	338	20,250
24	Quick Fitting (SS) connector	1/4" x 8mm	60	Nos.	363	21,750
25	Quick Fitting (SS) Connector	1/8" x 8mm	60	Nos.	325	19,500
26	HMI DELCOSE XL-L	ZS1057856	2	Nos.	1,062,500	2,125,000
27	Emergency Switch	A030750 IDEC 63I AVW	2	Nos.	8,750	17,500
28	MCB Breaker Single Pole	5SJ61-C1 230/400V	2	Nos.	1,378	2,755
29	MCB Breaker 2-Pole	5SJ72-6A 400V 6A	2	Nos.	1,593	3,185
30	Breaker	690V, 63A, 3VU1340, 1MK00	2	Nos.	8,000	16,000
31	Contactor 3-Pole	3RT6023-1AL20 AC 230 V 50/60 HZ AC3 4 kW 400 V	2	Nos.	39,250	78,500
32	Contactor 3-Pole	3RH5921-1EA11, 2- pole	2	Nos.	39,750	79,500
33	Power Transformer	INPUT 0 360 380 400 415 435 V OUTPUT 230V/1.13 24V/2 083A	2	Nos.	113,750	227,500
34	Main Contactor	3RT5054-1... 6 140A 600V	4	Nos.	239,500	958,000
Total Section F:						7,232,940
SECTION G: ASSET NAME: REFRIGERATION DRYER MODEL # DC1350AX SERIAL # 134/22229/01						
1	Direct Acting Solenoid Valve	740-00-555 230V 50-60hz 3/8" #13H53	2	Nos.	56,250	112,500
2	PCB Card	-	1	Nos.	437,500	437,500
3	Electronic Condense drain	ECD 15B 230V	8	Nos.	131,250	1,050,000
Total Section G:						1,600,000
SECTION H: ASSET NAME: AIR COMPRESSOR (HITACHI) MODEL # 110P-8.5CGA SERIAL # TG32080						
1	V-Belt	B-108 (Oil & Heat)	12	Nos.	3,125	37,500
2	HMI	DOP-B07S411	1	Nos.	162,500	162,500
3	Inverter	-	2	Nos.	555,000	1,110,000
4	Exhaust Fan	6X6 AC 220/240	4	Nos.	13,750	55,000
5	Push Button Switch	ZB2-BE102C AC220/240	4	Nos.	6,250	25,000
6	Breaker (Schneider)	C6 220/240 Single Pole	8	Nos.	6,250	50,000
7	MCB Breaker (Schneider)	C25 220/240 3- Pole	4	Nos.	6,250	25,000
8	MCB Breaker (Schneider)	C25 220/240 3- Pole	4	Nos.	6,250	25,000
9	Contactor	40A 3-Pole	4	Nos.	26,625	106,500
10	Power Supply (TRACO POWER)	TSL-030-124	2	Nos.	112,500	225,000
11	Delta PLC MODULE	DVP-32EH	1	Nos.	43,750	43,750
12	Electromagnetic Relay	24VDC 2-Pole	5	Nos.	20,000	100,000
Total Section H:						1,965,250
SECTION I: ASSET NAME: AIR RESERVOIR						
1	Ball Valve (SS) DN25	1" Ketz 316	4	Nos.	6,875	27,500
2	2way Solenoid Valve	1/4" (UD-8) UNI-D	4	Nos.	56,250	225,000
3	Pressure Gauge	0-100 kPa	4	Nos.	30,000	120,000
4	Pressure Switch	0-7.5 Bar	4	Nos.	18,750	75,000

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S #.	Items Description	Specification / Part Ref. #	Req. Qty.	UOM	Quoted Unit Price	Total Price
5	Pneumatic Pipe	6mm -40 C to + 80 C 18~32 bar	100	meter	688	68,750
6	Pneumatic Pipe	4mm -40 C to + 80 C 18~32 bar	100	meter	550	55,000
7	Ball Valve (SS) DN15	1/2" Ketz 316	4	Nos.	5,625	22,500
8	Pressure Gauge	0-150 PSI	8	Nos.	16,250	130,000
9	Direct Acting Small NC Magnetic Valves	1/4" 2W-025-08 AC 220V	4	Nos.	31,250	125,000

Total Section I: 848,750
SECTION J: ASSET NAME: DUPLEX AGSS (DISPOSAL SYSTEM)

1	Blower with Motor (BUSCH)	1.5 KW, 205HP, 2800RPM	2	Nos.	68,750	137,500
2	Bearing	6205Z	4	Nos.	1,875	7,500
3	Oil Seal	FP-36 (30 42 07)	6	Nos.	1,125	6,750

Total Section J: 151,750
SECTION K: ASSET NAME: BOOSTER PUMP

1	LED Panel	Simatic Panel Touch- KTP600 Basic PN Mono(6AV6 647-0 AB11-3AX0)	2	Nos.	562,500	1,125,000
2	Power Supply (AB) Quality Allen Bradley	1606-XLE 120EE, AC-200/240 Volt/DC24V/5A	2	Nos.	244,500	489,000
3	Relay	Comat Swiss-DC24V	3	Nos.	4,500	13,500
4	Contacto 3-Pole	AB K40E	2	Nos.	38,765	77,530
5	Contacto 3-Pole	AB K05	2	Nos.	39,008	78,015
6	Module (Siemens)	S7-1200	2	Nos.	287,500	575,000
7	Overload 3-Pole	3ZX1012-0RW40-2DA1	2	Nos.	245,000	490,000
8	Breaker 3-Pole	AB-140M-C2T	2	Nos.	45,000	90,000
9	Breaker 3-Pole	NCN 316	2	Nos.	6,375	12,750
10	Breaker 1/2 Pole	NCN 013 C13	2	Nos.	6,875	13,750
11	ON/OFF Switch Schneider	IEC/EN 60947- 3,25A,15KW	2	Nos.	3,750	7,500
12	Module Part	Simatic S7-1200, S-ZVDNYAN015589/SM- 1231-A1	4	Nos.	264,438	1,057,750

Total Section K: 4,029,795
SECTION L: TOOLS FOR MECHANICAL WORKSHOP.

1	Pedestal Drill Machine	Frequency: 50/60 Hz Distance Between Center of Spindle to Column Front: 200 mm Drilling Capacity In Steel: 20 mm Feed: Hand Max Distance Between Spindle to Base: 600 mm Max Distance Between Spindle to Table: 300 mm	1	Nos.	114,500	114,500
2	Pedestal Grinding Machine	Power Consumption 0.75 hp Phase 3 Phase Voltage 415V Speed 3000 RPM Wheel Diameter 200 mm	1	Nos.	43,750	43,750
3	Heavy Grinder	7" Angel Grinder	1	Nos.	56,250	56,250
4	Baby Grinder	4" Angel Grinder	1	Nos.	42,500	42,500
5	LT Drill machine	-	1	Nos.	45,000	45,000
6	Electric Drill Machine	-	1	Nos.	30,000	30,000
7	Table Vice 24"	-	1	Nos.	20,000	20,000
8	Table Vice Pipe Holding	-	1	Nos.	13,625	13,625

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S #.	Items Description	Specification / Part Ref. #	Req. Qty.	UOM	Quoted Unit Price	Total Price
9	Mini Table Vice 6"	-	1	Nos.	11,250	11,250
10	Portable Welding Plant	130A Welding Machine, 3 in 1 Combo MMA/MIG/LIFT TIG Welder Machine, Flux Core Welder, MIG-130	1	Nos.	74,625	74,625
11	LT Drill Machine	26mm Hammer Hilty/ Drill Machine - With Box	1	Nos.	45,000	45,000
12	Electric Drill Machine	Electric Drill Machine 10mm	1	Nos.	30,000	30,000
13	Table Vice	Heavy Duty 12"/300mm	1	Nos.	19,625	19,625
14	Table Vice Pipe Holding	2x 1/2"	1	Nos.	13,625	13,625
15	Mini Table Vice	Mini Bench Vice Clamp 4"	1	Nos.	9,500	9,500
16	Rivet Gun With Pins	-	1	Nos.	3,750	3,750
17	Mini Bend saw Machine	Light Duty	1	Nos.	36,250	36,250
18	Electric Blower	-	1	Nos.	17,125	17,125

Total Section L: 626,375
SECTION M: 500 KG ELECTRIC BOILER PARTS / CONSUMABLES

1	Heater with Flange 6PCD	316SS, HS, 380V, 24KW, (15,9,60) (LWH)	9	Nos.	70,000	630,000
2	Teflon Sheet	5mm, 50" x 50"	2	Nos.	12,500	25,000
3	Stainless Steel Bolt	12 x 30 x 1.75	100	Nos.	438	43,750
4	AC Contactor	AC Contactor, 20A	4	Nos.	5,750	23,000
5	AC Fan	12V, 6" x 6"	4	Nos.	7,500	30,000
6	Ampere Meter	0 - 400	2	Nos.	30,000	60,000
7	Volt Meter	0 - 450	2	Nos.	35,000	70,000
8	Heat Proof Cable	8mm	20	Meter	1,000	20,000
9	Emergency Switch	No / NC	4	Nos.	6,330	25,320
10	Push Button	Yellow	2	Nos.	1,125	2,250
11	Push Button	Green	2	Nos.	1,125	2,250
12	Push Button	Red	2	Nos.	1,125	2,250
13	OCR	3A, 380V	2	Nos.	42,500	85,000
14	Indication Light	Yellow	2	Nos.	1,125	2,250
15	Indication Light	Green	2	Nos.	1,125	2,250
16	Indication Light	Red	2	Nos.	1,125	2,250
17	Relay	3A, 250V, Omron MY2N - J	2	Nos.	4,500	9,000
18	HCL	-	20	Ltr.	625	12,500
19	Cable Tie	16"	2	Packet	1,050	2,100
20	Insulation Tape	Red, Blue, Green	5	Each	138	688

Total Section M: 1,049,858
SECTION N: OXYGEN GENERATION PLANT ROOM TOOLS FOR DEPARTMENT

1	Measuring Tape	10 Meter	3	Nos.	2,000	6,000
2	Screw Driver	(+, -)	3	Set.	8,125	24,375
3	Screw Driver	Hammer Type (+, -)	2	Set.	12,500	25,000
4	Oil Cane	-	5	Nos.	1,125	5,625
5	Ring Spanner (Taparia)	6 - 32mm	2	Set.	9,250	18,500
6	Box Spanner (Taparia=)	6 - 32mm	2	Set.	10,500	21,000

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S #.	Items Description	Specification / Part Ref. #	Req. Qty.	UOM	Quoted Unit Price	Total Price
7	Combination Wrench (Force 5191C)	6 – 32mm	1	Set.	12,500	12,500
8	Adjustable Spanner	6"	4	Nos.	1,750	7,000
9	Adjustable Spanner	12"	4	Nos.	2,250	9,000
10	Allen Wrench (Short Type)	(TEKTON)	3	Set.	3,000	9,000
11	Adjustable Screw Wrench	(TOPTUL) 10"	4	Nos.	2,250	9,000
12	Combination Pliers (Taparia)	8"	3	Nos.	1,500	4,500
13	Pipe Wrench (Forged)	6"	3	Nos.	2,000	6,000
14	Pipe Wrench (Forged)	24"	3	Nos.	4,500	13,500
15	Pipe Wrench (Forged)	36"	2	Nos.	12,000	24,000
16	Pipe Wrench (Forged)	18"	2	Nos.	9,000	18,000
17	Cutting Plier (Taparia)	6"	5	Nos.	1,750	8,750
18	Long Nose Plier (Taparia)	-	5	Nos.	1,250	6,250
19	O – Ring Kit Box	30 Size	2	Kit	9,250	18,500
20	Electric Heat Gun	-	2	Nos.	15,000	30,000
21	Hose Pipe	8mm	100	Meter	188	18,750
22	Star L – N Key	-	3	Set	3,000	9,000
23	Multi Meter (Digital)	Voltage DC + - (0.09% + 2), Max. Res 0.mv, Max 1000V	2	Nos.	30,000	60,000
24	Clamp Meter	AC – 4A / 400A, DC – 600V	2	Nos.	20,000	40,000
25	Megger Meter	50V, 100V, 250V, 500V, 1000V	2	Nos.	22,500	45,000
26	Flat Screw Driver	Complete	1	Set	3,250	3,250
27	Philip Screw Driver	Complete	1	Set	3,750	3,750
28	Sata Electrical Tool	Complete	1	Set	13,750	13,750
29	Plier	Complete	1	Set	4,250	4,250
30	Cutter Plier	-	2	Nos.	3,500	7,000
31	Nose Plier	-	2	Nos.	2,500	5,000
32	Grip Plier	-	4	Nos.	1,500	6,000
33	Knife Cutter	-	5	Nos.	625	3,125
34	Soldering Iron	-	3	Nos.	7,500	22,500
35	Welding Face Shield	-	2	Nos.	10,000	20,000
36	Belt Spanner	9" Belt Type Oil Filter Wrench	3	Nos.	2,250	6,750
37	Chain Spanner	Chain Wrench Filter 9"	4	Nos.	3,000	12,000
38	Hammer	2 – 4 Pond	4	Nos.	1,950	7,800
39	Bearing Puller	Complete	2	Set	7,500	15,000
40	Gasket Cutter	-	3	Nos.	4,250	12,750
41	Meter Sheet Cutter	-	2	Nos.	17,500	35,000
42	C – Clamp	3", 4", 5", 7", 9"	2	Set.	22,500	45,000
43	Hand Tap with Handel	4mm	2	Set.	3,750	7,500
44	Hand Tap	5mm	2	Set.	4,250	8,500
45	Hand Tap	6mm	2	Set.	4,750	9,500
46	Hand Tap	8mm	2	Set.	5,250	10,500
47	Hand Tap	10mm	2	Set.	5,750	11,500
48	Hand Tap	12mm	2	Set.	6,750	13,500
49	Drill Bit – HSS – G	1 – 13mm	2	Set.	3,500	7,000
Total Section N:						740,175

Total Section E:	1,129,070
Total Section F:	7,232,940
Total Section G:	1,600,000
Total Section H:	1,965,250

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Total Section I:						848,750
Total Section J:						151,750
Total Section K:						4,029,795
Total Section L:						626,375
Total Section M:						1,049,858
Total Section N:						740,175
Total Bid Price						19,373,963

[Signature]
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Supply, Installation, Testing & commissioning of 500kVA

Diesel Generator Sets with Canopy operating on 3-phase, 400V, 50Hz, 1500 rpm Prime Rated, Water Cooled Diesel generating sets, suitable for operation at 50°C inside Canopy with control panel, AMF (without ATS) and 90% relative humidity assembled in accordance with their provided drawings / manuals and consisting of painted welded steel bed plate frame work to accommodate engine alternator complete with balanced flywheel, water jacket heaters energized by the incoming main supply, heavy duty starting batteries, battery charger, hour runs meter, KWH meter, emergency stop push button, radiator, with water level switch, fuel tank, piping works, consisting of black steel pipe schedule 40, fuel pump, exhaust system residential type silencer, 400/230 V, 50 Cycles/second , at 1500 RPM, for 3 phase 4 wire system.

The work also includes but not limited to

- Transportation upto site
- 1/2 thick neuprene Sheet and placement on foundation pads
- Vibration Isolators, leveling and grouting

All DG Sets shall be without power panels except for those which has built-in circuit breaker

The work also includes all allied mechanical and electrical works including material, labor, tools, accessories etc. Complete in all respects.

Note: On load testing (100%, 75% and 50%) of DG set with material required for 4 hours operation inclusive of fuel, engine oil, load bank etc.

Supply & Installation of 500 KVA Gen Set**Electric Cables**

Supply, Laying, Testing and commissioning of following LV Copper Cables PVC/PVC 600/1000V via floor duct/trench or already provided cable ladder with all required installation accessories (already provided) as per direction of the Engineer and Cable Schedule detail. complete in all respect.

2 x 4C- 185sqmm CU/PVC/PVC + 2 x 1C-95 sqmm CU/PVC AS ECC

Electric Panel

Supply, Installation, Testing and Commissioning of Complete LV Switchgear panel as per given SLD with all required installation and termination accessories, all kinds of control cable, Pfi Panel, auto phase reversal and ATS as per Single Line diagram and Specification, Contractor should be submit the Shop drawings for approval.

Sync Panel

02

Nos.

51,650,000/-

103,300,000/-

310

Rm

140,549/-

43,570,190/-

1

Set

29,508,070/-

29,508,070/-