

EVALUATION CRITERIA

The bid having lowest evaluated cost and most closely conforming to evaluation criteria for each item and terms & conditions mentioned in the bidding documents, as under:-

SR. NO	STORES	SPECIFICATION/DRAWING NO AND OTHER PARTICULARS TO GUIDE SUPPLY.
1	Accessories for testing unit (Test It-6100) used for testing Breathing Apparatus (Drager PSS BG-4 Plus (EP)). a) Test Set. b) Fill Station. c) Dust Fitter Pads	Made in EU, USA, Japan or equivalent.
2	Multi Gas Monitor CH ₄ ,CO,H ₂ S,CO ₂ ,	(Mini warm) or equivalent for simultaneous five gases to detect i.e CO ₂ , CO, O ₂ ,H ₂ S,CH ₄ , for 8 hours operating period at 25°c with infrared sensor, alarm and data logging along with standard accessories. Made in EU, USA, Japan or equivalent
3	Multigas Detector (bellow type or equivalent)	Made in EU, USA, Japan or equivalent.
i.	Multigas detector tubes for item NO.3 a) CO ₂ . b) CO. c) H ₂ S. d) NO ₂ . e) CH ₄ .	Made in EU, USA, Japan or equivalent.
4	Portable Generator 63 KVA, 3 Phase, 50 cycle, 440 v.	Powered with water cooled diesel engine with alternator of 63 KVA, 3 Phase 50 Hertz, 440/220 volts with control panel and tool kit. - Electric starting system with maintenance free lead acid battery. - Tropicalized Radiator

			<ul style="list-style-type: none"> - Alternator Battery Charger - Heavy Duty Exhaust Silencer - Circuit Bracket - Heavy Duty Fabricated Steel base Frame with anti-vibration mounts - Hours run counter - of/run crank key switch - Protection Devise with indicators for high engine temperature and low oil pressure <p>Made in EU, USA, Japan or equivalent.</p>
5	Portable Generator 22 KVA, 3 Phase, 50 cycle, 440 v.		<p>Powered with water cooled diesel engine with alternator of 22 KVA, 3 Phase 50 Hertz, 440/220 volts with control panel and tool kit.</p> <ul style="list-style-type: none"> - Electric starting system with maintenance free lead acid battery. - Tropicalized Radiator - Alternator Battery Charger - Heavy Duty Exhaust Silencer - Circuit Bracket - Heavy Duty Fabricated Steel base Frame with anti-vibration mounts - Hours run counter - of/run crank key switch - Protection Devise with indicators for high engine temperature and low oil pressure <p>Made in EU, USA, Japan or equivalent.</p>
6	<p>Oxygen Booster (C.U) An Oxygen Transfer Pump to decent oxygen from storage cylinders into apparatus cylinders. Technical Data;</p>		<p>Electric Driven, Nominal pressure PN200 bar/300 bar (2900/4350 psi). Max. pressure 220 bar/330 bar (3190/4785 psi) Power supply 400-V/50 Hz, optional 60 Hz. Control voltage 24 V AC Power-supply plug CEE 16 A. Drive 1.1 kW, 230 V/400 V. Pump Single-stage, 2-cylinders. Charging connection 4 x PN 200, G3/4” DIN. Made in EU, USA, Japan or equivalent.</p>
	<ul style="list-style-type: none"> ▪ Nominal Pressure: ▪ Max Pressure: ▪ Power Supply: ▪ Control Voltage 	<p>PN200bar (2900 psi)</p> <p>220 bar (3190 psi)</p> <p>400 V/50 Hz, optional 60 Hz.</p> <p>24 V AC.</p>	

	<ul style="list-style-type: none"> ▪ Power Supply Plug. ▪ Drive. ▪ Pump ▪ Charging Connection ▪ Dimension Approx. <p>Weight Approx: Made in EU/Japan/ USA or equivalent.</p>	<p>CEE 16 A</p> <p>1.1 KW, 230 V/400 V</p> <p>Single – stage, 2-cylenders</p> <p>4x pn 200, G 3/4”</p> <p>680 x 580 x 1100 mm (L x W x H)</p> <p>128 kg (58 lbs.)</p>	
i	Oxygen Cylinder, 50 L 200 bar, Valve connection G3/4 PIN 477.		
ii	Cylinder Holder,		
iii	High Pressure Hose Connecting hose between n.p. 200 supply cylinder and transfer pump, max. working pressure 220 bars, length 1.5 m.		
	Transfer pump connecting side:		
	Transfer pump connecting side:	R 3/4” female cap screw	
	Supply Cylinder connecting:	R 3/4” female manual connection.	
iv	Charging Hose, Connecting hose between PN 200 charging connection and large apparatus cylinder: max. Working pressure 220 bar 1.5 m long hanging end: G 3/4” male, apparatus cylinder; connection end: G 3/4” female, manual connection.		
v	Oxygen Drying cartage, For Booster pumps.		
vi	Spare Parts set, For Booster DOB 200/300.		
vii	Bushes.		

7	<p>Oxylog 1000 (C.U) or Equivalent</p> <p>Time-cycled volume constant and portable emergency ventilator. Optical and audible alarm for Paw low (disconnect), Paw high (stanosis) and supply pressure low. Compact, portable emergency system consisting of;</p> <ul style="list-style-type: none"> ▪ Oxylog 1000 Basic Unit ▪ Ventilation Hose 1.5 m ▪ Respiratory Valve <p>Note: DIN 13252 02-gas inlet connection is required.</p> <p>Made in EU/Japan/USA, or equivalent.</p>	<p>i) Time-cycled, volume constant and portable.</p> <p>ii) Optical and audible alarm for paw low.</p> <p>Made in EU, USA, Japan or equivalent.</p>
i	<p>Carrying System 1000</p> <p>Carrying system 1000 for Oxylog 1000; Special bag for the transport of Oxylog 1000 and necessary accessories. Optimized for 2 Liter GFK cylinder (B 10208).</p>	
ii	<p>Oxygen Connecting Hose 0.5 m</p> <p>02-connecting hose 0.5 m; to connect the pressure reducer and distributor oxyplate; for carrying system 1000 and 2000.</p>	
iii	<p>Distributor Oxyplate</p> <p>Distributor to connect the Oxylog 1000/ Oxylog 2000 with an oxygen cylinder or with a central gas supply.</p>	
iv	<p>Revers. Hose 02, DIN coupl. 1.5m</p> <p>Reversible hose 02/Air-Reversible hose for distributor connector, quick-release Walther coupling.</p>	
v	<p>Alduk 1 02-Pressure Reducer PI</p> <p>Single-Stage compact small pressure reducer for emergency medicine to reduce high-pressure oxygen from cylinders to the required operating pressure. 2 outlets of 4.5 bar (non-return safety valve) 1 outlet 02 connector; adjustable between 0-15 l/min.Connection PIN Index</p>	
8	<p>VHF Radio Base Station with complete accessories.</p>	<p>100 Channel Output 45-65 watts Frequency 137-174 MHz Busy Channel Lockout DOT, CTCSS and DC Dual Watch Scane, Monitor, Home & Priority Channel with accessories: First Microphone Base Antenna with 100 feet Coaxial cable Heavy Duty Power Supply G.I.Pipe 40 feet with mounting hardware. Made in EU, USA, Japan or equivalent.</p>
9	<p>Underground Communication (Intercom) with 300-meter cable.</p>	<p>Intrinsically safe a set of two Self powered telephone set along with sturdy double plastic covered telephone cable. Made in EU, USA, Japan or equivalent.</p>

10	HF Radio Telephone inter connector complete with Base Station including complete Accessories.	<p>HF Base Station Coverage RX 30KHz-30.000MHz in 10 Hz steps, Tx 1,600-30.000 MHz. Power Output: 125/100 Watts, all moder operation SSB/LSB, AM, CW, including accessories.</p> <ul style="list-style-type: none"> - Fist Microphone - SP-500 AC Power Supply 220VAC, 35 Amp. - 30 MHz Broad Band Antenna with to meters cable RG-213 with connectors - Telegraphic (Morse) Key. - Pipe Mast for Antenna-D.1 Pipe 2” dia 40-ft guys 3/16”) G.I.Solid <p>wire at Mid and Top positions, Base Plate, Anchore and mounting hardware. Made in EU, USA, Japan or equivalent.</p>
11	Rock Cutters (Pneumatic)	<p>Medium weight Pneumatic Breakers</p> <ul style="list-style-type: none"> a) Weight of Breakers = 19Kgs b) Air Requirement = 26 L/S/6 bar c) Drill Steel Chuck = 25x108 mm d) Hose Connection = 20 mm e) Impact Frequency = 1470 Blows Per minute <p><u>Accessories:</u> Lubricator, 5 Nos. Narrow Chisel Steel with length of 38 cm Made in EU, USA, Japan or equivalent.</p>
12	Safety Helmets of fiberglass.	<p>With safety lamp front hook and back cable hook and with chain strap.</p> <p>Made in EU, USA, Japan or equivalent .</p>
13	Spotter calibration Test Kit.	<p>With complete standard accessories and spares for two years.</p> <p>Made in EU, USA, Japan or equivalent.</p>
14	Fire Supression Foam Generator with spares hoses etc.	<p>Capacity 30G Duration 5 Minute Flow Range 20 Meter working pressure 8 Bar Compressed Air Cylinder 200 Bar. Made in EU, USA, Japan or Similar along with 400 Liters foam in 20 Liter packing. (Made in EU, USA, Japan or equivalent)</p>
15	Fire Extinguisher	
i	164g size.	<ul style="list-style-type: none"> i. For Dry powder Fire Extinguisher. Capacity 9 kg fire rating 43A 233B, working pressure 15 Bar range of discharge 6-8m duration 24 sec. ii. For Foam Fire Extinguisher. Capacity 9L fire rating 21A 183B, working pressure 14 bar range of discharge 8-9m duration 30 sec. <p>Made in EU, USA, Japan or equivalent.</p>

ii	124g size	For water Fire Extinguisher. i. Capacity 9L, working pressure 14 Bar range of discharge 9m duration 20 sec. Made in EU, USA, Japan or equivalent.
16	Recording Resusci Anne or equivalent	Plastic model with arrangement or resuscitation and primitive mechanism for training to rescue work in resuscitation of victims Manufactured by Laerdal, Norway or equivalent.
17	Dust Respirator Picco-20 or equivalent idle dust respiratory	i) Filter system Replaceable plug in filter ii) Duration of use Depends on particle exposure up to several days. iii) Weight Approx. 100g vi) Approval EN 1827 FMP2/FMP3 EN 143 P2/P3 Niosh CFR 42 P100/R95 v) Inhalation resistance (30 L/min) < 0.25 mbar iv) Exhalation resistance/repair. With necessary pare parts. Made in EU, USA, Japan or equivalent.
18	Filters for Dust Respirator.	For item No. 29 Dust Respirator Made in EU, USA, Japan or equivalent.
19	Explosimeter (Warnex or equivalent) with Charging device and test probe and adopter Drager or equivalent, EU/Japan/USA, made or equivalent.	i) Methane measurement. Range 0 to 100% LEL, Resolution 1% LEL, ii) Oxygen measurement. 0 to 25 Vol% Resolution 0.1 Vol% Temperature: -10 to 50 °C Humidity: 10 up to 99% r.h. Non condensing Operation time: > 12 hours Visual, audible and vibrating alarm. Along with following accessories: Charging Accessories, Data Logging, Extension Hoses and Probe, Calibration Adopter, Carrying Case. Made in EU, USA, Japan or equivalent.
20	Pocket weather tracker with following calliberation. i) Altitude ii) Pressure Trend iii) Barometric pressure. iv) Relative Humidity. v) Heat Stress Index. vi) Dew point. vii) Wet bulb temperature viii) Density Altitude. ix) Wind Chill x). Air Temperature xi)Water Temperature. xii). Wind Speed.	Wind Speed 0.4 to 40.0 m/s Air Flow 0 to 99.999 cfm Temperature -20.0 to 158.0 °F relative Humidity 5.0 to 95.0 % non-condensing Pressure -At 77.0 °F < 19.700 ft Altitude -At 77.0 °F < 19.700 ft Max error +/- 98 ft wind Chill 1.8 to 89.0 mph,, -50 to 50.0 °F

		Heat Index 77.0 to 130.0 °F, 0 to 100% RH Dew Point -20.0 to 158.0 °F, 20.0 to 95.0% RH Wet Bulb Temperature 32.0 to 100.0 °F, 5.0 to 95.0% RH Density Altitude 32.0 to 100.0 °F, 5.0 to 95.0% RH Made in EU, USA, Japan or equivalent.
21	Steel Stool	Stain less steel top, Height 18” Dia Meter 15” Made in EU, USA, Japan or equivalent.
22	Stethoscope	Dual Head Made in EU, USA, Japan or equivalent.
23	ENT General Examination Test Kit	Tongue Depressor, Ear Speculum & Nose Speculum (different sizes), Auto Scope, Head Light, Thermometer, Torch. Made in EU, USA, Japan or equivalent.
24	A/B-Scan Verification Ultrasonic Thickness/ Corrosion Meter	i) Measures range 0.63 mm – 254 mm ii) Resolution of 0.01 mm including Echo to Echo (E-E) mode iii) Operating Temperature: -10°C -50°C iv) Stability indicator, bar graph for visual cursors for reading conformation. Made in EU, USA, Japan or equivalent.
25	Table for officers	Table for officers (6x3 ½) with three drawers along with lock and keys (Panel) with 5 mm tinted Glass or covered with regzine top quality finish (Wood= Lasani/Sony) or equivalent
26	Table for officials	Table for officials (5’x3’) with three drawers along with lock and keys in texture lamination wood (Lasani / sony) or equivalent
27	Chairs	Chairs. (Set a bin Cane) made of seasoned Shisham.
28	Sofa Set	Sofa Set (Five seators) with ten years foam warranty. Cushion in regzine.
29	Easy Chair with table (4 Chair Table)	Set of 04 Easy Chair with table full Shisham. Chairs (Set a Bin Can).
30	Almirah Steel	Size (4’x6’) Made of SWG 22 MS Sheet Four Shelves five compartments with lock & keys. Finish = Grey Colour Hammer Spray painted.
31	Bench wooden	Bench wooden for office (5’) made of seasoned Shisham.
32	Desks for Training of Students	Desks for Training of Students (3’) made of seasoned Shisham.

33	Split A.C 1.5 Ton	Split A.C 1.5 Ton Made in EU, USA, Japan or equivalent.
34	Computer P-IV Complete with Printer and scanner, branded	Computer P-IV Complete with Printer and scanner branded Core i 3, Ram 4 GB, Hard Disk 500 GB, DVD RW, LED 18.5” Made in EU, USA, Japan or equivalent.
35	Cots (Iron)	Gage 18, Dia 2”, cotton strips knitting
36	Steel Cabinet with 4 Drawers	Made of SWG 22 with 4 Drawers lock & keys. Finish = Grey Colour Hammer Spray painted.

Tender documents charges
Rs: 2,000/-
(non refundable/nontransferable)

GOVERNMENT OF SINDH
INSPECTORATE OF MINES
MINES & MINERAL DEVELOPMENT DEPARTMENT

Tender documents charges receipt
No.....

Tender Documents No: CIM/ADP
14-15/RS&ODDC/Tender/M&E/2014/

TO,

M/S.-----

FROM:
CHIEF INSPECTOR OF MINES
GOVERNMENT OF SINDH
ST: 19/1, BLOCK-6, GULSHANE
IQBAL, NIPA, CHORANGI,
KARACHI.

Invitation to tender No. **Website Display vide www.pprasindh.gov.pk on 10.10.2014 & 11-10-2014 and Newspaper Publication vide No. INF-KRY-NO: 3123/14 Dated 10.10.2014** for the purchase of stores for the Inspectorate of Mines, Government of Sindh, Karachi

TENDER FOR THE SUPPLY OF STORES

Date of submission of tender: on or before: **14-11-2014 upto 10.00 a.m**

Date of opening of tender: **14-11-2014 at 11.00 a.m**

Venue of tender opening: -

Office of Chief Inspector of Mines,
Mines & Mineral Development
Department, Government of Sindh,
St:19/1, Block-6, Gulshan-e-Iqbal, Near
NIPA, Karachi

TOTAL COST OF BID.....

Dear Sir,

1. You are hereby invited to submit your tender in accordance with Rule-15 (1) (b) of SPPR-2010 for the supply of stores as detailed in the schedule to the invitation to tender subject to the conditions mentioned here under and given in the schedule. The tenderers quoting against this invitation to tender shall be deemed to have read and understood the conditions thereof.
2. The tenderers shall quote the bids on the PRESCRIBED TENDER FORM, **(Annexure-A)** schedule to the invitation to tender, on the basis indicated therein for the delivery of stores at consignee's end basis at Lakhra District Jamshoro and shall sign the certificate given therein to the effect that the store shall be supplied exactly, in accordance with the requirements as specified in this schedule. In case there is any deviation, it should be clearly stated by the tenderer in tender form otherwise it will be presumed, that offer is strictly in accordance with the requirement and specifications. Tender with separate attachment for specification shall not be entertained.
3. Tender should be accompanied by bid security equal to 2% (two percent) value of their bid price i.e grand total of total cost instead of grand total of total unit cost, in the shape of pay order/ demand draft from any scheduled bank in name of "Chief Inspector of Mines, Sindh Karachi" and shall be attached with the tender, without which no tender will be accepted.
4. The Bid will be evaluated on the basis of the bid having lowest evaluated cost and most closely conforming to evaluation criteria for each item and terms and condition mentioned in the bidding documents.
5. Bid security shall be released to the unsuccessful bidders once the contract has been signed with the successful bidder or the validity period has expired.
6. The quantity mentioned against any item in the schedule inviting tender can be increased or decreased at the time of the award of contract.
7. The successful tenderer shall have to ensure the supply of the stores upto **30-01-2015** failing which his tender shall be cancelled and the security deposit shall be forfeited accordingly.

8. Original receipt in token of having purchased the tender form must be enclosed with the tender.
9. Tenderers shall submit attested photocopy of the National Tax Number Certificate from the Income Tax Department for the year 2014-15.
10. The inspection of stores will be carried out by the consignee or any committee constituted by Government in this behalf, in the premises of the office of the Chief Inspector of Mines, Sindh, ST:19/1, Block-6, Gulshan-e-Iqbal, Near N.I.P.A, Chowrangi, Karachi.
11. Failure to submit the tender in the manner prescribed in this invitation to tender will be rendered the same to be ignored /rejected.
12. The purchase does not pledge to accept the lowest or any tender & the purchaser reserves the right to reject or accept any tender or tenders in full or in part or reject all the tenders without assigning any reasons thereof.
13. Model number and make may be enclosed along with the relevant literature/ catalogue / brochures.
14. The bidder shall fill the sales tax coloums of tender form with sales tax at existing % age.
15. The bidder shall furnish the H.S Code against each and every imported item.
16. The successful tenderers will be bound to make delivery after carrying-out the inspection for respective places as mentioned at Serial No.10.
17. After coming into force of the procurement contracts, dispute, between the parties to the contract shall be settled by arbitration as per rule.
18. Income Tax at existing rate including existing surcharge shall be deducted at source. If there is any dispute with regard to income tax the supplier may submit the refund claim to CBR as per rule.
19. 20% of sales tax amount mentioned in the S.T column of tender documents shall be deducted at source while making payment to supplier (successful bidder) and the supplier (successful bidder) has to furnish S.T invoice of remaining S.T amount, i.e 80% of S.T amount.
20. Supplier (successful bidder) has to pay award fee at the rate of 0.25% of the award.

21. Supplier (successful bidder) has to pay stamp duty @ 0.2% of the award at the time of execution of Procurement Contract.
22. Any other tax/duty applicable at the time of payment against the supply of stores shall be deducted at source.
23. The supplier (successful bidder) shall have to furnish at least one year warranty, after sale service certificate, the certificate from Principal with regard to make and model of the item and the copy of import documents along with the bills, where ever required.
24. Successful bidders to whom offers for the supply of stores shall be issued, shall have to provide 5% performance security of the amount of contract prices/offer prices, in the form of pay order or demand draft or bank guarantee. The validity of performance security shall extend at least ninety days beyond the date of completion of contract.
25. The supplier (Successful bidder) shall have to furnish bill of the item (s), already inspected by the Inspection Committee after full delivery of stores with Invoice of Sales Tax.
26. 100% payment to be made after complete supply within the delivery period and receipt of certificate by the Inspection Committee and payment bill(s) passed by the Accountant General Sindh.
27. The supplier has to provide training in operating the equipment as and when required by the purchaser.
28. The Integrity Pact shall be signed between the Procuring Agency and the bidder where applicable as per SPP Rule-2010 (amended-2013).
29. All conditions pertaining to purchase of stores mentioned in Sindh Public Procurement Rules 2010 (amended 2013) including any amendment made so far shall be applicable.

(MUHAMMAD KHALID MIRZA)
CHIEF INSPECTOR OF MINES, SINDH
KARACHI

Annexure-A

TENDER FORM

GOVERNMENT OF SINDH
INSPECTORATE OF MINES
MINES & MINERAL DEVELOPMENT DEPARTMENT

Schedule to invitation to tender no: - **Website Display vide www.pprasindh.gov.pk on 10.10.2014 & Newspaper Publication vide No INF-KRY: NO: 3123/14 Dated 10.10.2014 & 11-10-2014.**

Date of receipt of tender: - on or before **14.11.2014 upto 10.00 a.m**

Date & time of opening of tender: - **14.11.2014 at 11.00 a.m**

Venue of tender opening:-

Office of the Chief Inspector of Mines, Mines & Mineral Development Department, Government of Sindh, St:19/1, Block-6, Gulshan-e-Iqbal, Near NIPA, Karachi.

Offer shall remain open for 90 days from the date of opening of tender. The tenderers shall quote on free delivery installation and demonstration basis to the consignee at F.O.R to Mine Rescue Station & Occupational Disease Detection Centre at Lakhra Near Lakhra Police Station, District Jamshoro.

The successful tenderer shall have to ensure the supply of the stores upto **30.01.2015.**

Sealed tenders will be received and opened in the office of the Chief Inspector of Mines, Mines & Mineral Development Department, Government of Sindh, St:19/1, Block-6, Gulshan-e-Iqbal, Near NIPA, Karachi on the date and time mentioned above.

S R · N O	STORES	SPECIFICATION/DRAWING NO AND OTHER PARTICULARS TO GUIDE SUPPLY.	QUANTITY	COST PER UNIT			TOTAL COST
				UNIT	S.T	TOTAL	
1	Accessories for testing unit (Test It-6100) used for testing	Made in EU, USA, Japan or equivalent.					

	<p>Breathing Apparatus (Drager PSS BG-4 Plus (EP).</p> <p>a) Test Set. b) Fill Station. c) Dust Fitter Pads</p>		50 50 200				
2	<p>Multi Gas Monitor CH4,CO,H2S,CO2,</p>	<p>(Mini warm) or equivalent for simultaneous five gases to detect i.e CO₂, CO, O₂,H₂S,CH₄, for 8 hours operating period at 25°C with infrared sensor, alarm and data logging along with standard accessories. Made in EU, USA, Japan or equivalent</p>	02				
3	<p>Multigas Detector (bellow type or equivalent)</p>	<p>Made in EU, USA, Japan or equivalent.</p>	04				
i.	<p>Multigas detector tubes for item NO.3</p> <p>a) CO₂. b) CO. c) H₂S. d) NO₂. e) CH₄.</p>	<p>Made in EU, USA, Japan or equivalent.</p>	10 Pkts 10 Pkts 10 Pkts 10 Pkts 10 Pkts				
4	<p>Portable Generator 63 KVA, 3 Phase, 50 cycle, 440 v.</p>	<p>Powered with water cooled diesel engine with alternator of 63 KVA, 3 Phase 50 Hertz, 440/220 volts with control panel and tool kit. - Electric starting system with maintenance free lead acid battery. - Tropicalized Radiator - Alternator Battery Charger - Heavy Duty Exhaust Silencer - Circuit Bracket - Heavy Duty Fabricated Steel base Frame with anti-vibration mounts - Hours run counter - of/run crank key switch - Protection Devise with indicators for high engine temperature and low oil pressure Made in EU, USA, Japan or equivalent.</p>	02				

5	Portable Generator 22 KVA, 3 Phase, 50 cycle, 440 v.	Powered with water cooled diesel engine with alternator of 22 KVA, 3 Phase 50 Hertz, 440/220 volts with control panel and tool kit. - Electric starting system with maintenance free lead acid battery. - Tropicalized Radiator - Alternator Battery Charger - Heavy Duty Exhaust Silencer - Circuit Bracket - Heavy Duty Fabricated Steel base Frame with anti-vibration mounts - Hours run counter - of/run crank key switch - Protection Devise with indicators for high engine temperature and low oil pressure Made in EU, USA, Japan or equivalent.	01					
6	Oxygen Booster (C.U) An Oxygen Transfer Pump to decent oxygen from storage cylinders into apparatus cylinders. Technical Data;	Electric Driven, Nominal pressure PN200 bar/300 bar (2900/4350 psi). Max. pressure 220 bar/330 bar (3190/4785 psi) Power supply 400-V/50 Hz, optional 60 Hz. Control voltage 24 V AC Power-supply plug CEE 16 A. Drive 1.1 kW, 230 V/400 V. Pump Single-stage, 2-cylinders. Charging connection 4 x PN 200, G3/4" DIN. Made in EU, USA, Japan or equivalent.	01 Complete Unit					
	<ul style="list-style-type: none"> ▪ Nominal Pressure: ▪ Max Pressure: ▪ Power Supply: ▪ Control Voltage ▪ Power Supply Plug. 	<ul style="list-style-type: none"> PN200bar (2900 psi) 220 bar (3190 psi) 400 V/50 Hz, optional 60 Hz. 24 V AC. CEE 16 A 						

	<ul style="list-style-type: none"> ▪ Drive. 1.1 KW, 230 V/400 V ▪ Pump Single – stage, 2-cylenders ▪ Charging Connection 4x pn 200, G 3/4" ▪ Dimension Approx. 680 x 580 x 1100 mm (L x W x H) <p>Weight Approx: 128 kg (58 lbs.) Made in EU/Japan/USA or equivalent.</p>						
i	Oxygen Cylinder, 50 L 200 bar, Valve connection G3/4 PIN 477.		04				
ii	Cylinder Holder,		04				
iii	High Pressure Hose Connecting hose between n.p. 200 supply cylinder and transfer pump, max. working pressure 220 bars, length 1.5 m. Transfer pump connecting side:		02				
	Transfer pump connecting side: Supply Cylinder connecting:	R 3/4" female cap screw R 3/4" female manual connection.					
iv	Charging Hose, Connecting hose between PN 200 charging connection and large apparatus		02				

	cylinder: max. Working pressure 220 bar 1.5 m long hanging end: G 3/4" male, apparatus cylinder; connection end: G 3/4" female, manual connection.					
v	Oxygen Drying cartage, For Booster pumps.		02			
vi	Spare Parts set, For Booster DOB 200/300.		02			
vii	Bushes.		02			
7	Oxylog 1000 (C.U) or Equivalent Time-cycled volume constant and portable emergency ventilator. Optical and audible alarm for Paw low (disconnect), Paw high (stanosis) and supply pressure low. Compact, portable emergency system consisting of; <ul style="list-style-type: none"> ▪ Oxylog 1000 Basic Unit ▪ Ventilation Hose 1.5 m ▪ Respiratory Valve Note: DIN 13252 O2-gas inlet connection is required. Made in EU/Japan/USA, or equivalent.	i) Time-cycled, volume constant and portable. ii) Optical and audible alarm for paw low. Made in EU, USA, Japan or equivalent.	02 Complete Unit			
i	Carrying System 1000 Carrying system 1000 for Oxylog 1000; Special bag for the transport of Oxylog 1000 and necessary accessories. Optimized for 2 Liter GFK cylinder (B 10208).		02			
ii	Oxygen Connecting Hose 0.5 m O2-connecting hose 0.5 m; to connect the pressure reducer and distributor oxyplate; for carrying system 1000 and 2000.		02			
iii	Distributor Oxyplate Distributor to connect the Oxylog 1000/ Oxylog		02			

	2000 with an oxygen cylinder or with a central gas supply.					
iv	Revers. Hose 02, DIN coupl. 1.5m Reversible hose 02/Air-Reversible hose for distributor connector, quick-release Walther coupling.		02			
v	Alduk 1 02-Pressure Reducer PI Single-Stage compact small pressure reducer for emergency medicine to reduce high-pressure oxygen from cylinders to the required operating pressure. 2 outlets of 4.5 bar (non-return safety valve) 1 outlet 02 connector; adjustable between 0-15 l/min. Connection PIN Index		02			
8	VHF Radio Base Station with complete accessories.	100 Channel Output 45-65 watts Frequency 137-174 MHz Busy Channel Lockout DOT, CTCSS and DC Dual Watch Scane, Monitor, Home & Priority Channel with accessories: First Microphone Base Antenna with 100 feet Coaxial cable Heavy Duty Power Supply G.I.Pipe 40 feet with mounting hardware. Made in EU, USA, Japan or equivalent.	02			
9	Underground Communication (Intercom) with 300-meter cable.	Intrinsically safe a set of two Self powered telephone set along with sturdy double plastic covered telephone cable. Made in EU, USA, Japan or equivalent.	01 Unit			
10	HF Radio Telephone inter connector complete with Base Station including complete Accessories.	HF Base Station Coverage RX 30KHz-30.000MHz in 10 Hz steps, Tx 1,600-30.000 MHz. Power Output: 125/100 Watts, all moder operation SSB/LSB, AM, CW, including accessories. - Fist Microphone - SP-500 AC Power Supply 220VAC, 35 Amp.	02			

		<p>- 30 MHz Broad Band Antenna with to meters cable RG-213 with connectors</p> <p>- Telegraphic (Morse) Key.</p> <p>- Pipe Mast for Antenna-D.1 Pipe 2" dia 40-ft guys 3/16") G.I.Solid</p> <p>wire at Mid and Top positions, Base Plate, Anchore and mounting hardware.</p> <p>Made in EU, USA, Japan or equivalent.</p>					
11	Rock Cutters (Pneumatic)	<p>Medium weight Pneumatic Breakers</p> <p>a) Weight of Breakers = 19Kgs</p> <p>b) Air Requirement = 26 L/S/6 bar</p> <p>c) Drill Steel Chuck = 25x108 mm</p> <p>d) Hose Connection = 20 mm</p> <p>e) Impact Frequency = 1470 Blows Per minute</p> <p><u>Accessories:</u></p> <p>Lubricator, 5 Nos. Narrow Chisel Steel with length of 38 cm</p> <p>Made in EU, USA, Japan or equivalent.</p>	02				
12	Safety Helmets of fiberglass.	<p>With safety lamp front hook and back cable hook and with chain strap.</p> <p>Made in EU, USA, Japan or equivalent .</p>	50				
13	Spotter calibration Test Kit.	<p>With complete standard accessories and spares for two years.</p> <p>Made in EU, USA, Japan or equivalent.</p>	02				
14	Fire Supression Foam Generator with spares hoses etc.	<p>Capacity 30G Duration 5 Minute Flow Range 20 Meter working pressure 8 Bar Compressed Air Cylinder 200 Bar.</p> <p>Made in EU, USA, Japan or Similar along with 400 Liters foam in 20 Liter packing.(Made in EU, USA, Japan or equivalent.)</p>	01				
15	Fire Extinguisher						
i	164g size.	<p>i. For Dry powder Fire Extinguisher. Capacity 9 kg fire rating 43A 233B, working pressure 15 Bar range of discharge 6-8m duration 24 sec.</p> <p>ii. For Foam Fire Extinguisher. Capacity 9L fire rating 21A 183B, working pressure 14 bar range of</p>	10				

		discharge 8-9m duration 30 sec. Made in EU, USA, Japan or equivalent.					
ii	124g size	For water Fire Extinguisher. i. Capacity 9L, working pressure 14 Bar range of discharge 9m duration 20 sec. Made in EU, USA, Japan or equivalent.	05				
16	Recording Resusci Anne or equivalent	Plastic model with arrangement or resuscitation and primitive mechanism for training to rescue work in resuscitation of victims Manufactured by Laerdal, Norway or equivalent.	01				
17	Dust Respirator Picco-20 or equivalent idle dust respiratory	i) Filter system Replaceable plug in filter ii) Duration of use Depends on particle exposure up to several days. iii) Weight Approx. 100g vi) Approval EN 1827 FMP2/FMP3 EN 143 P2/P3 Niosh CFR 42 P100/R95 v) Inhalation resistance (30 L/min) < 0.25 mbar iv) Exhalation resistance/repair. With necessary pare parts. Made in EU, USA, Japan or equivalent.	10				
18	Filters for Dust Respirator.	For item No. 29 Dust Respirator Made in EU, USA, Japan or equivalent.	20 pkts				
19	Explosimeter (Warnex or equivalent) with Charging device and test probe and adopter Drager or equivalent, EU/Japan/USA, made or equivalent.	i) Methane measurement. Range 0 to 100% LEL, Resolution 1% LEL, ii) Oxygen measurement. 0 to 25 Vol% Resolution 0.1 Vol% Temperature: -10 to 50 °C Humidity: 10 up to 99% r.h. Non condensing Operation time: > 12 hours Visual, audible and vibrating alarm. Along with following accessories: Charging Accessories, Data Logging, Extension Hoses and Probe, Calibration Adopter, Carrying Case. Made in EU, USA, Japan or equivalent.	05				

20	Pocket weather tracker with following callibration. i) Altitude ii) Pressure Trend iii) Barometric pressure. iv) Relative Humidity. v) Heat Stress Index. vi) Dew point. vii) Wet bulb temperature viii) Density Altitude. ix) Wind Chill x). Air Temperature xi)Water Temperature. xii). Wind Speed.	Wind Speed 0.4 to 40.0 m/s Air Flow 0 to 99.999 cfm Temperature -20.0 to 158.0 °F relative Humidity 5.0 to 95.0 % non-condensing Pressure -At 77.0 °F < 19.700 ft Altitude -At 77.0 °F < 19.700 ft Max error +/- 98 ft wind Chill 1.8 to 89.0 mph,, -50 to 50.0 °F Heat Index 77.0 to 130.0 °F, 0 to 100% RH Dew Point -20.0 to 158.0 °F, 20.0 to 95.0% RH Wet Bulb Temperature 32.0 to 100.0 °F, 5.0 to 95.0% RH Density Altitude 32.0 to 100.0 °F, 5.0 to 95.0% RH Made in EU, USA, Japan or equivalent.	05				
21	Steel Stool	Stain less steel top, Height 18” Dia Meter 15” Made in EU, USA, Japan or equivalent.	05				
22	Stethoscope	Dual Head Made in EU, USA, Japan or equivalent.	05				
23	ENT General Examination Test Kit	Tongue Depressor, Ear Speculum & Nose Speculum (different sizes), Auto Scope, Head Light, Thermometer, Torch. Made in EU, USA, Japan or equivalent.	02				
24	A/B-Scan Verification Ultrasonic Thickness/Corrosion Meter	i) Measures range 0.63 mm – 254 mm ii)Resolution of 0.01 mm including Echo to Echo (E-E) mode iii) Operating Temperature: -10°C -50°C iv) Stability indicator, bar graph for visual cursors for reading conformation. Made in EU, USA, Japan or equivalent.	01				

25	Table for officers	Table for officers (6x3 ½) with three drawers along with lock and keys (Panel) with 5 mm tinted Glass or covered with regzine top quality finish (Wood= Lasani/Sony) or equivalent	05				
26	Table for officials	Table for officials (5'x3') with three drawers along with lock and keys in texture lamination wood (Lasani / sony) or equivalent	10				
27	Chairs	Chairs. (Set a bin Cane) made of seasoned Shisham.	200				
28	Sofa Set	Sofa Set (Five seators) with ten years foam warranty. Cushion in regzine.	06				
29	Easy Chair with table (4 Chair Table)	Set of 04 Easy Chair with table full Shisham. Chairs (Set a Bin Can).	03				
30	Almirah Steel	Size (4'x6') Made of SWG 22 MS Sheet Four Shelves five compartments with lock & keys. Finish = Grey Colour Hammer Spray painted.	50				
31	Bench wooden	Bench wooden for office (5') made of seasoned Shisham.	12				
32	Desks for Training of Students	Desks for Training of Students (3') made of seasoned Shisham.	10				
33	Split A.C 1.5 Ton	Split A.C 1.5 Ton Made in EU, USA, Japan or equivalent.	09				
34	Computer P-IV Complete with Printer and scanner, branded	Computer P-IV Complete with Printer and scanner branded Core i 3, Ram 4 GB, Hard Disk 500 GB, DVD RW, LED 18.5" Made in EU, USA, Japan or equivalent.	02				
35	Cots (Iron)	Gage 18, Dia 2", cotton strips knitting	50				

36	Steel Cabinet with 4 Drawers	Made of SWG 22 with 4 Drawers lock & keys. Finish = Grey Colour Hammer Spray painted.	50				
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Note: -

Pay order in favor of Chief Inspector of Mines, Sindh Karachi bearing No..... Dated of Rs.....
 2% (two percent) of total bid value is enclosed.

Signature of Owners / Proprietor

M/S.....

Registration No. (if any).....

Stamp / Seal.....