

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 document, as under:-

SR. NO	STORES	SPECIFICATION/DRAWING NO AND OTHER PARTICULARS TO GUIDE SUPPLY.
01	Transit Theodolite 7" with Stand & Accessories Japan	Objective Lens: 40-45mm Magnification: 26-30x Resolving Power: 2.5"-3.0" Minimum Focus: 90cm-1.4m Minimum Reading: 5"/1" Accuracy: 7 second Field of view: 1 ⁰ -30' Made in EU,USA, Japan or equivalent.
02	Staff Leveling Aluminum Double sided 3 to 5 meters 3 sections	Staff leveling & stadia (10 each) 3-5 meters Made in EU, USA, Japan or equivalent.
03	Indian Alidad	18" Brass with Plane table set Made in EU, USA, Japan or equivalent.
04	Pantograph	Made in EU, USA, Japan or equivalent.
05	Planimeter Digital	Made in EU, USA, Japan or equivalent.
06	U-Fork (Aluminum)	Aluminum made. Made in EU, USA, Japan or equivalent.
07	Plane Tables (Standard)	Metal/Wooden tripod superior quality, alidad, trough compass, level bubble, both side laminated board with rubber edge plum bob, complete with telescopic compass and tripod. Made in EU,USA, Japan or equivalent.
08	Ammonia Print Machine 48"	3 lamps with all accessories. Made in EU, USA, Japan or equivalent.
09	Drafting Machine	With Board Size 80cm, Japan or Italy made or equivalent with local stand.
10	Global Positioning Systems, Digital with 5mm accuracy, set of two compatible to PC with software.	RTK GPS with GNSS or DGPS Survey System (Base & Rover) with all accessories. - GPS & GNSS or DGPS dual frequency with mm frequency. - Integrated wireless Bluetooth (R) with USB and Serial Port. - Static (Base & Rover) GPS Surveying Accuracy. Horizontal ± 5mm + 1ppm Vertical ± 100 + 2ppm Real Time Kinetic (R+K) Accuracy Horizontal ± 10mm + 1ppm Vertical ± 20 + 2ppm • Low elevation satellite tracking technology.

		<ul style="list-style-type: none"> • GPS (L1, L2), Glonass or WASS & EGNOS (L1, L2) 20 channels or more. <p>GPS with radios 2 units. Windows operating system with touch panel display. Back ground imager support to plot data on satellite imagery. Base and rover should have display screens and independent original company Data Loggers (2 nos.) (no third party data loggers) with LCD display of World Map, Data Acquisition & navigation screens. Post processing software to process GPS data (2 nos. FOR INDEPENDENT PC). World map software to plot GPS data on the Sindh map (2 nos). Memory 1 GB. Water, Dust Proof & Shock Proof) Field Accessories. Base:- Tripod, Tri Brach with U bubble and eye piece, external battery support, memory card. Rover:- Pole with bubble, quick stand for port carry case, memory card. Made in EU, USA, Japan or equivalent.</p>
11	Surveying Accessories	
a)	Measuring Tap	Steel (100 ft/30 meter) Made in EU, USA, Japan or equivalent.
b)	Ink Pen Set Pointing/Steadtler or equivalent	0.25, 0.35, 0.45, 0.5, 0.6, 0.8, 1mm, 1.2mm.
c)	Drawing Box	Bofa or equivalent.
d)	Ink pelican or equivalent (black), Paper tap, Pencil (Clutch Rotring 0.5), Eraser, Sharpener Machine Ting Japan or equivalent, Colour Pencil, Set Squarc 30 cm, Triangular Scale Fiber Castle or equivalent.	Made in EU, USA, Japan or equivalent.
e)	French Curve Sets	Rotring, Germany or equivalent.
f)	Aluminum Staff	Aluminum with double side 5m/12ft 3 sections Made in EU, USA, Japan or equivalent.
12	Integral Bit Drill Rods Suitable for Hand held Pneumatic Drill Machine	
a)	L=600 MM, D=40 MM	Made in EU, USA, Japan or equivalent.

b)	L=1200 MM, D=40 MM	Made in EU, USA, Japan or equivalent.
c)	L=1800 MM, D=40 MM	Made in EU, USA, Japan or equivalent.
13	Digital Hand held Anemometer	Rang 0-100 m/sec Made in EU, USA, Japan or equivalent.
14	Hydraulic Jack	6 Tons Trolley Type Made in EU, USA, Japan or equivalent.
15	Chain Pully 10 tons capacity	With chain for 3 to 5 meter height Made in EU, USA, Japan or equivalent
16	Anvil	25 Kg (Local)
17	Ventilation Equipment Flame Proof (Imported):-	Electric Driven Mine Fan 500 mm Dia along with Collapsible tube/ Ventilation ducts 500 mm dia, Axial flow fan 5.5" gauge pressure, r.p.m 1450 Made in EU, USA, Japan or equivalent.
18	Turbine Pump	Turbine Pump with Motor (80 HP) (China Made) Head 100 Meter, Discharge 1200-1500 litres/min. Along with essential accessories of G.I. Pipe, propelling shafts, starting switch and control panel. Made in EU, USA, Japan or equivalent.
19	Multi Gas Detector	Bellow type or equivalent Made in EU, USA, Japan or equivalent.
19 (a)	Multi Gas Detector Tubes, Compatible NO ₂ , CH ₄ , H ₂ S and CO.	Tubes compatible with above pump Made in EU, USA, Japan or equivalent.
20	Vibration Monitor	Blast Mate II, for Blast Vibration measurements. Made in EU, USA, Japan or equivalent.
21	Diesel Engine Ruston Type or equivalent Single cylinder with all accessories for measuring temperature brake, horsepower, speed indicator and compression.	Ruston Type or equivalent: single cylinder with all accessories for measuring temperature brake, horsepower, speed indicator and compression 5-10 H.P. Made in EU, USA, Japan or equivalent.
22	X-Ray Plant	50 m A for Constructive Testing of Welding Made in EU, USA, Japan or equivalent.
23	Small Compressor for cleaning flushing	Voltage = 220-240 V, work pressure 8bar (116psi), Frequency 50-60hz, Capacity 24 Liter Made in EU, USA, Japan or equivalent.
24	Wood Lath Machine	Large Size 5 ft Made in EU, USA, Japan or equivalent.
25	Bench vice	25 to 200 mm Pakistan Made or equivalent.
26	Gas Welding Plant with Cylinders and accessories	With two cylinders and all accessories. Made in EU, USA, Japan or equivalent.
27	First Aid Training Kit	Stretcher, all types of Bandages and other accessories needful for First Aid Saint John Ambulance Training standard. Made in EU, USA, Japan or equivalent.

28	First Aid Box	<p>02. Triangular Bandages 02. Crepe Bandages 02. Large wound Dressings 02. Small wound Dressings Cotton wool standard Cotton buds standard 05. Non-Adherent wound Dressings 10. Bandaids Packet of safety pins 01. Pair of Scissors 01. Pair of Tweezers Bottle of Acriflavine 20. Panadol Decore Plastic Container Made in EU, USA, Japan or equivalent.</p>
29	Resuscitation Anne	<p>Plastic model with arrangement or resuscitation and primitive mechanism for training to rescue work in resuscitation of victims Manufactured by Laerdal, Norway or equivalent.</p>
30	Fire Suppression Foam Generation	<p>Capacity 30G Duration 5 Minute Flow Range 20 Meter working pressure 8 Bar Compressed Air Cylinder 200 Bar. along with 400 Liters foam in 20 Liter packing. Made in EU, USA, Japan or equivalent.</p>
31	Fire Extinguisher	<p>164g size. 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. Made in EU, USA, Japan or equivalent.</p>
32	Air Current Detector (smoke tubes) pit	<p>For measuring Air Current Measuring Range 0-10,000 fpm, Digital, Pocket Size with Data Logging Facilities. Made in EU, USA, Japan or equivalent.</p>
33	Explosimeter (Warnex) or Equivalent with charging device and test probe and adopter	<p>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.</p>

34	Photostat Machine	<u>Type</u> Desktop Copier/Network Laser Printer <u>Copy Speed</u> 20 Copies per Minute <u>Resolution</u> 600 X 600 dpi, 256 grayscale <u>Continuous Copy</u> 1-250 Copies <u>Original/Copy size</u> Max. A3 <u>Memory Capacity</u> 32 MB Standard <u>Zoom Range</u> 50% - 200% in 1% Steps <u>Paper Feeding</u> Standard : 1x250 Sheet Universal Cassette + 50 Multi-Bypass tray <u>Toner</u> Minimum for 8,500 Copies <u>Warranty</u> Minimum for 03 years free parts supply <u>Drum Warranty</u> 03 Years Free replacement warranty or 150,000 Copies, whichever is earlier. Made in Japan, Malaysia or equivalent.
35	Microscope	1:1000 Magnification Power Made in EU, USA, Japan or equivalent.
36	Screening Set	1-500 mesh Made in EU, USA, Japan or equivalent.
37	Vibration Set	With wilty table cyclone Operation Made in EU, USA, Japan or equivalent.
38	Pocket weather tracker with following callibration, Kastrel or similar i) Altitude ii) Pressure Trend iii) Barometric Pressure iv) Relative Humidity v) Heat Stress 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.
39	Pneumatic Rock Cutter	Medium weight Pneumatic Breakers a) Weight of Breakers = 19 Kgs 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 <u>Accessories:</u> Lubricator, 5 Nos. Narrow Chisel Steel with length of 38 cm Made in EU, USA, Japan or equivalent.
40	Portable Generator 63 KVA, 3 Phase 50 Cycle	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.
41	Ultrasonic Velocity Thickness meter along with accessories	i) Measuring rang 0.75 mm-199.9 mm ii) Resolution of 0.01 mm iii) Operates by PP3 alkaline battery iv) Metric and imperial versions Made in EU, USA, Japan or equivalent.

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/M.P.T.C/Tender/M&E/2015/

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 _____**
and Newspaper Publication vide No. INF-KRY-NO: _____ Dated _____
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: **05.03.2015 upto 11.00 a.m**
Date of opening of tender: **05.03.2015 at 12.00 noon**
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,

You are hereby invited to submit your tender in accordance with Rule-15 (1) (b) of SPPR-2010 (amended 2013) 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.

1. 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 submit the certificate 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.
2. 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 the name of "Chief Inspector of Mines, Sindh Karachi" and shall be attached with the tender, without which no tender will be accepted.
3. 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 conditions mentioned in the bidding documents.
4. Bid security shall be released to the unsuccessful bidders once the contract has been signed with the successful bidder or the validity period get expired.
5. The quantity mentioned against any item in the schedule inviting tender can be increased or decreased at the time of the award of contract.
6. The successful bidder shall have to execute the Contract Agreement after receiving the letter of contract award, in case of failing to do so, his earnest money shall be forfeited.

7. The successful tenderer shall have to ensure the supply of the stores upto **28.05.2015** failing which his tender shall be treated as 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. Model number and make be enclosed along with the relevant literature/ catalogue / brochures.
13. The bidder shall fill the sales tax coloums of tender form with sales tax at existing % age.
14. The bidder shall furnish the H.S Code against imported item where ever required.
15. The successful tenderers will be bound to make delivery of the inspected stores at Mine Polytrade Training Centre at Lakhra District Jamshoro, at his own expenses.
16. After coming into force of the procurement contracts, dispute, between the parties to the contract shall be settled by arbitration as per SPP Rules 2010(amended 2013).
17. 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 rules.

18. 20% of sales tax amount mentioned in the S.T column of tender document 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.
19. Supplier (successful bidder) has to pay award fee at the rate of 0.25% of the award.
20. Supplier (successful bidder) has to pay stamp duty @ 0.2% of the award at the time of execution of Procurement Contract.
21. Any other tax/duty applicable at the time of payment against the supply of stores shall be deducted at source.
22. 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.
23. 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.
24. The supplier (Successful bidder) shall have to furnish bill of the item (s), already inspected by the Inspection Committee with Invoice of Sales Tax.
25. 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.
26. The supplier has to provide training in operating the equipment as and when required by the purchaser.
27. The Integrity Pact shall be signed between the Procuring Agency and the bidder wherever applicable as per SPP Rules-2010 (amended-2013).

28. 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.

INSPECTOR OF MINES (DEVELOPMENT)
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 _____ & Newspaper Publication
vide No INF-KRY: NO: _____
Dated _____.**

Date of receipt of tender: - on or before **05.03.2015 upto 11.00 a.m**

Date & time of opening of tender: - **05.03.2015 at 12.00 noon**

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 Polytrade Training Centre at Lakhra Near Lakhra Police Station, District Jamshoro.

The successful tenderer shall have to ensure the supply of the stores upto **28.05.2015**.

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.

SR. NO	STORES	SPECIFICATION/DRAWING NO AND OTHER PARTICULARS TO GUIDE SUPPLY.	QUANTITY	COST PER UNIT			TOTAL COST
				UNIT	S.T	TOTAL	
01	Transit Thedolite	Objective Lens: 40-45mm	05				

	7" with Stand & Accessories Japan	Magnification: 26-30x Resolving Power: 2.5"-3.0" Minimum Focus: 90cm-1.4m Minimum Reading: 5"/1" Accuracy: 7 second Field of view: 1°-30' Made in EU,USA, Japan or equivalent.					
02	Staff Leveling Aluminum Double sided 3 to 5 meters 3 sections	Staff leveling & stadia (10 each) 3-5 meters Made in EU, USA, Japan or equivalent.	20				
03	Indian Alidad	18" Brass with Plane table set Made in EU, USA, Japan or equivalent.	10				
04	Pantograph	Made in EU, USA, Japan or equivalent.	01				
05	Planimeter Digital	Made in EU, USA, Japan or equivalent.	01				
06	U-Fork (Aluminum)	Aluminum made. Made in EU, USA, Japan or equivalent.	05				
07	Plane Tables (Standard)	Metal/Wooden tripod superior quality, alidad, trough compass, level bubble, both side laminated board with rubber edge plum bob, complete with telescopic compass and tripod. Made in EU,USA, Japan or equivalent.	10				
08	Ammonia Print Machine 48"	3 lamps with all accessories. Made in EU, USA, Japan or equivalent.	01				
09	Drafting Machine	With Board Size 80cm, Japan or Italy made or equivalent with local stand.	02				
10	Global Positioning Systems, Digital with 5mm accuracy, set of two compatible to PC with software.	RTK GPS with GNSS or DGPS Survey System (Base & Rover) with all accessories. - GPS & GNSS or DGPS dual frequency with mm frequency. - Integrated wireless Bluetooth (R) with USB and Serial Port. - Static (Base & Rover) GPS Surveying Accuracy. Horizontal ± 5mm + 1ppm Vertical ± 100 + 2ppm Real Time Kinetic (R+K) Accuracy	01				

		<p>Horizontal $\pm 10\text{mm} + 1\text{ppm}$</p> <p>Vertical $\pm 20 + 2\text{ppm}$</p> <ul style="list-style-type: none"> • Low elevation satellite tracking technology. • GPS (L1, L2), Glonass or WASS & EGNOS (L1, L2) 20 channels or more. <p>GPS with radios 2 units. Windows operating system with touch panel display. Back ground imager support to plot data on satellite imagery. Base and rover should have display screens and independent original company Data Loggers (2 nos.) (no third party data loggers) with LCD display of World Map, Data Acquisition & navigation screens. Post processing software to process GPS data (2 nos. FOR INDEPENDENT PC). World map software to plot GPS data on the Sindh map (2 nos). Memory 1 GB. Water, Dust Proof & Shock Proof Field Accessories. Base:- Tripod, Tri Brach with U bubble and eye piece, external battery support, memory card. Rover:- Pole with bubble, quick stand for port carry case, memory card. Made in EU, USA, Japan or equivalent.</p>					
11	Surveying Accessories						
a)	Measuring Tap	Steel (100 ft/30 meter) Made in EU, USA, Japan or equivalent.	25				
b)	Ink Pen Set Pointing/Steadtler or equivalent	0.25, 0.35, 0.45, 0.5, 0.6, 0.8, 1mm, 1.2mm.	10				
c)	Drawing Box	Bofa or equivalent.	02				
d)	Ink pelican or equivalent	Made in EU, USA, Japan or equivalent.	10				

	(black), Paper tap, Pencil (Clutch Rotring 0.5), Eraser, Sharpener Machine Ting Japan or equivalent, Colour Pencil, Set Square 30 cm, Triangular Scale Fiber Castle or equivalent.						
e)	French Curve Sets	Rotring, Germany or equivalent.	10				
f)	Aluminum Staff	Aluminum with double side 5m/12ft 3 sections Made in EU, USA, Japan or equivalent.	10				
12	Integral Bit Drill Rods Suitable for Hand held Pneumatic Drill Machine						
a)	L=600 MM, D=40 MM	Made in EU, USA, Japan or equivalent.	10				
b)	L=1200 MM, D=40 MM	Made in EU, USA, Japan or equivalent.	10				
c)	L=1800 MM, D=40 MM	Made in EU, USA, Japan or equivalent.	10				
13	Digital Hand held Anemometer	Rang 0-100 m/sec Made in EU, USA, Japan or equivalent.	01				
14	Hydraulic Jack	6 Tons Trolley Type Made in EU, USA, Japan or equivalent.	01				
15	Chain Pully 10 tons capacity	With chain for 3 to 5 meter height Made in EU, USA, Japan or equivalent	01				
16	Anvil	25 Kg (Local)	10				
17	Ventilation Equipment Flame Proof (Imported):-	Electric Driven Mine Fan 500 mm Dia along with Collapshible tube/ Ventilation ducts 500 mm dia, Axial flow fan 5.5" gauge pressure, r.p.m 1450 Made in EU, USA, Japan or equivalent.	01				

18	Turbine Pump	Turbine Pump with Motor (80 HP) (China Made) Head 100 Meter, Discharge 1200-1500 litres/min. Along with essential accessories of G.I. Pipe, propelling shafts, starting switch and control panel. Made in EU, USA, Japan or equivalent.	01				
19	Multi Gas Detector	Bellow type or equivalent Made in EU, USA, Japan or equivalent.	02				
19 (a)	Multi Gas Detector Tubes, Compatible NO ₂ , CH ₄ , H ₂ S and CO.	Tubes compatible with above pump Made in EU, USA, Japan or equivalent.	12 set				
20	Vibration Monitor	Blast Mate II, for Blast Vibration measurements. Made in EU, USA, Japan or equivalent.	02				
21	Diesel Engine Ruston Type or equivalent Single cylinder with all accessories for measuring temperature brake, horsepower, speed indicator and compression.	Ruston Type or equivalent: single cylinder with all accessories for measuring temperature brake, horsepower, speed indicator and compression 5-10 H.P. Made in EU, USA, Japan or equivalent.	01				
22	X-Ray Plant	50 m A for Constructive Testing of Welding Made in EU, USA, Japan or equivalent.	01				
23	Small Compressor for cleaning flushing	Voltage = 220-240 V, work pressure 8bar (116psi), Frequency 50-60hz, Capacity 24 Liter Made in EU, USA, Japan or equivalent.	01				
24	Wood Lath Machine	Large Size 5 ft Made in EU, USA, Japan or equivalent.	02				
25	Bench vice	25 to 200 mm Pakistan Made or equivalent.	05				
26	Gas Welding Plant with Cylinders and accessories	With two cylinders and all accessories. Made in EU, USA, Japan or equivalent.	01				
27	First Aid Training Kit	Stretcher, all types of Bandages and other accessories needful for First Aid Saint John Ambulance Training	01				

		standard. Made in EU, USA, Japan or equivalent.					
28	First Aid Box	02. Triangular Bandages 02. Crepe Bandages 02. Large wound Dressings 02. Small wound Dressings Cotton wool standard Cotton buds standard 05. Non-Adherent wound Dressings 10. Band-aids Packet of safety pins 01. Pair of Scissors 01. Pair of Tweezers Bottle of Acriflavine 20. Panadol Decore Plastic Container Made in EU, USA, Japan or equivalent.	01				
29	Resuscitation Anne	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				
30	Fire Suppression Foam Generation	Capacity 30G Duration 5 Minute Flow Range 20 Meter working pressure 8 Bar Compressed Air Cylinder 200 Bar. along with 400 Liters foam in 20 Liter packing. Made in EU, USA, Japan or equivalent.	01				
31	Fire Extinguisher	164g size. 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. Made in EU, USA, Japan or equivalent.	10				
32	Air Current Detector (smoke tubes) pit	For measuring Air Current Measuring Range 0-10,000 fpm, Digital, Pocket Size with Data Logging Facilities. Made in EU, USA, Japan or equivalent.	02				
33	Explosimeter (Warnex) or Equivalent with	i) Methane measurement. Range 0 to 100% LEL, Resolution 1% LEL,	01				

	charging device and test probe and adopter	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.					
34	Photostat Machine	<u>Type</u> Desktop Co[pier/Network Laser Printer <u>Copy Speed</u> 20 Copies per Minute <u>Resolution</u> 600 X 600 dpi, 256 grayscale <u>Continuous Copy</u> 1-250 Copies <u>Original/Copy size</u> Max. A3 <u>Memory Capacity</u> 32 MB Standard <u>Zoom Range</u> 50% - 200% in 1% Steps <u>Paper Feeding</u> Standard : 1x250 Sheet Universal Cassette + 50 Multi-Bypass tray <u>Toner</u> Minimum for 8,500 Copies <u>Warranty</u> Minimum for 03 years free parts supply <u>Drum Warranty</u> 03 Years Free replacement warranty or 150,000 Copies, whichever is earlier. Made in Japan, Malaysia or equivalent.	01				
35	Microscope	1:1000 Magnification Power Made in EU, USA, Japan or equivalent.	01				
36	Screening Set	1-500 mesh Made in EU, USA, Japan or equivalent.	01				

37	Vibration Set	With wilty table cyclone Operation Made in EU, USA, Japan or equivalent.	01				
38	Pocket weather tracker with following calliberation, Kastrel or similar i) Altitude ii) Pressure Trend iii) Barometric Pressure iv) Relative Humidity v) Heat Stress 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.	02				
39	Pneumatic Rock Cutter	Medium weight Pneumatic Breakers a) Weight of Breakers = 19 Kgs 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 <u>Accessories:</u> Lubricator, 5 Nos. Narrow Chisel Steel with length of 38 cm Made in EU, USA, Japan or equivalent.	01				
40	Portable Generator 63 KVA, 3 Phase 50 Cycle	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.	01				

		<ul style="list-style-type: none"> - 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>					
41	Ultrasonic Velocity Thickness meter along with accessories	<ul style="list-style-type: none"> i) Measuring rang 0.75 mm-199.9 mm ii) Resolution of 0.01 mm iii) Operates by PP3 alkaline battery iv) Metric and imperial versions <p>Made in EU, USA, Japan or equivalent.</p>	01				

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.....