

LIST OF ITEM PURCHASED 2017-18 BY CMPDI(HQ)			
SL. No	ITEM NAME	ITEM DESCRIPTION IN DETAIL (SPECIFICATION)	QTY.
1	Supply of Brother make Computer Consumables.	Toner for Brother HL 3040CN Printer , Toner Cartridge Black	14 Nos.
		Toner for Brother HL 5350DN/MFC8880DN Printer/MFD Toner Cartridge	42 Nos.
		Toner for Brother MFC-L2701DW Printer Toner Cartridge Black	19 Nos.
2	Supply of different types, of Chemicals and Glassware and Laboratory Items.	Zinc Chloride (21200 KG in 24 Sealed containers of 50kg each)	24 Nos.
		Benzene (laboratory grade) containers of 2.5 L each	120 Nos.
		Bromoform( Laboratory Grade) in container of 250 ml each	160 Nos.
		Test Sieve (bass made) of 72 mesh with LID and Receiver for use in screening of fine coal and shale samples in the laboratory	6 Nos.
		Test Sieve (bass made) of 25 mesh for use in screening of fine coal and shale samples in the laboratory	2 Nos.
		Test Sieve (bass made) of 14 mesh for use in screening of fine coal and shale samples in the laboratory	2 Nos.
		Test Sieve (bass made) of 200 mesh for use in screening of fine coal and shale samples in the laboratory	6 Nos.
		Long Brush for screening of coal at laboratory scale length of the brush	12 Nos.
		Brush for use in cleaning in laboratory Brush for screening of coal at laboratory scale	12 Nos.
3	Supply of TC Core Bit & Reamer Shell.	NQ WIRE LINE TC CORE BIT. NQ T.C. Insert set core bit, set in continuous parabolic setting design, equally projected and distributed in 4 steps covering outer and inner gauges.	2200 nos
		NQ double tube TC reamer shell. 8 (Eight) nos. 12 mm x 15 mm x 4 mm long rectangular TC inserts. conforming to Longyear "Q" series Specifications.	350 Nos

4	Supply of BQ Wire Line TC Core Bit.	BQ WIRE LINE TC CORE BIT. BQ TC Insert set core bit set in continuous parabolic setting design, equally projected and distributed in 4 steps covering outer and inner gauges, surface cutting area and face, with total 24 nos of octagonal TC inserts of size 5.5 mm (flat surface to flat surface) x 15 mm long. The bit shall have side discharge six (6) nos water ways. All the T.C inserts shall have an angle of 8- 10 degree with horizontal plane at the cutting edge (for clearance with the rock surface during drilling operation.)	50 Nos
5	Supply of different type of Paper and Printed items.	Office stationary like Registers, Computer Papers, TA bill Forms etc.	Of assorted quantity
6	Supply of NQ Wire Line Right Hand Drill Rod.	HQ Wire Line Right Hand Drill Rod .- EFFECTIVE LENGTH 3 MTRS LONG.- DESIGN WEDGLOK FLUSH JOINT.- RAW TUBE COLD DRAWN SEAMLESS CARBON STEEL HAVING SMOOTH	13500 Nos
7	Supply of NQ Wire Line Right Hand Drill Rod.	N Size Wire line right hand Drill Rod. EFFECTIVE LENGTH 3 MTRS LONG DESIGN - WEDGLOK FLUSH JOINT.	200 Nos
8	Supply of Vibration Monitor.	The Vibration measuring 4 channels system shall be compact ultra- light weight preferably with touch screen and handy to operate for the measurement of vibration in respect of peak particle velocity in various direction frequency and air( noise) over pressure due to blasting, construction activities etc.	03 Nos
9	Supply of N Size Wire Line Right Hand Drill Rods with Adopter & Locking Coupling.	N Size Wire line right hand Drill Rod. EFFECTIVE LENGTH 3 MTRS LONG DESIGN - WEDGLOK FLUSH JOINT. RAW TUBE - COLD DRAWN SEAMLESS CARBON STEEL. STEEL GRADE - SAE 1541 HEAT TREATMENT - BOTH MALE AND FEMALE ENDS SHALL BE THROUGH-HARDENED PRIOR TO THREADING UP TO 101 MM LENGTH (MINIMUM) STRAIGHTNESS - 1:6000 OR BETTER. ALL THE DRILL RODS - SHALL BE PROPERLY AND SECURELY PACKED TO PROTECT FROM DAMAGE DURING TRANSIT.	5500 Nos
		N Size Adopter Coupling – Cold drawn seamless carbon steel, Grade- SAE 1541.	200 Nos
		N Size Locking Coupling – Cold drawn seamless carbon steel, Grade- SAE 1541.	200 Nos
10	Supply of DGMS Approved CO Detector and Digital Multi Gas	DGMS approved co detector Must be suitable for use in underground coal mine environment involving temperature heat & humidity dust etc. as well as on surface	02 Nos

10	Detector and Digital Multi Gas Detector.	DGMS approved Digital Multi Gas Detector :must be suitable for use in underground coal mine environment involving temperature heat humidity dust etc.	02 Nos
11	Supply of synthetic Diamond Impregnated core Bit.	NQ Synthetic Diamond Impregnated Core Bit (65 CTS) NQ Synthetic Diamond Impregnated Core Bit (65 CTS) Size of Diamond - 30 to 35 US Mesh. Quality of Diamond - Synthetic Premium grade (Industrial). Matrix - Self sharpening, Medium to Hard, Hardness - 18-20 Rc, Abrasion resistant. Depth of Impregnation - 6-9 mm. Water ways - 6 Nos (Standard type). Crown Profile- Circular Saw (Serrated). Loading CTS - 65 , High Concentration. Dimension - As per Longyear "Q" series specification. Color of Shank- Green.	200 Nos
12	Supply of synthetic Diamond Impregnated core Bit.	HQ Synthetic Diamond Impregnated Core Bit (55 CTS) HQ Synthetic Diamond Impregnated Core Bit (55 CTS) Size of Diamond - 45 to 50 US Mesh. Quality of Diamond - Synthetic Premium grade (Industrial). Matrix - Self sharpening, Medium to Hard, Hardness - 16-18 Rc, Abrasion resistant. Depth of Impregnation - around 9mm. Water ways - 8 Nos (Standard type). Crown Profile- Circular Saw (Serrated). Loading CTS - 55 , Medium Concentration. Dimension - As per Longyear "Q" series specification.	25 Nos
13	Supply of different types of Chemicals, Glassware and Laboratory Items.	Silica Crucible with lid for determination of volatile matter % of coal samples in VM furnace conforming to relevant .	12 Nos.
14	Supply of Spares and Accessories for Geometrics make Geode Seismograph.	Geode 24 Channel seismodule: for higher resolution Seismic surveying. The geode is operated via connection to an external PC loader with controller software	01 nos
		Digital interface cable 250 m long for connecting geodes :Terminated on each end with one 10 pad connector, coated with Kink and abrasion resistant yellow jacket,	02 nos
		NIB Box : Interconnect geode with seismograph should be supplied	01 No
		Hammer switches: Piezo electric hammer switches fast response 15 feet cable compatible	10 Nos

		Geode to laptop connecting cables	02 Nos
		24 Takeout CDP Cable	01 Nos
15	Supply of Drilling polymer.	Drilling Polymer Physical State : Solid The material shall be in the form free flowing powder, without any extraneous visible impurity and lumps. Moisture content at 105 + 2 C 10.0 % (Max.) Ionic Character Anionic Relative disperbility : 175 max. at 0.2% (w/v) polymer concentration at 60 + 5 C Degree of Hydrolysis as determined by Electrometric titration 20% to 40% Apparent viscosity of 0.2% (w/v) Polymer solution in distilled water	15000 Kg
16	Supply, Installation and Commissioning of Mechanical Convection Oven.	Mechanical convection oven: It should have mechanical convection system for fast heat up and uniform temperature throughout chamber for greater drying efficiency	01 No
17	Supply, Installation and Commissioning of Pulverizer Machine.	Pulverizer Machine: It should be along with feed hopper, Hand operated screw feeder discharge chute( completely metal body with dust proof non corrosive).	01 No
18	Supply, Installation, Commissioning and field testing of Resistivity Imaging System with its Accessories and training thereon.	Resistivity Imaging system with Accessories The electre pro software will do the 1D, 2D and 3D sequence creation with movie view facility of the created sequence transfer through electre pro software data transfer from system to PC Laptop through PROSYS-II .The system has suitable Ports for transferring data to PC Laptop one USB cable will be provided for sequence and data transfer to PC	01 Set
19	Supply of Truck Mounted Hydrostatics.	Truck Mounted Hydrostatic coring drilling Rig with depth capacity of 1000 mtrs. with NQ/N size in single line pull operation .	07 nos
20	Supply of Spares for RIDGID make Pipe Wrenches.	Hook Jaw for 48" Pipe Wrench	30 Nos
		Hook Jaw for 36" Pipe Wrench	250 Nos
		Hook Jaw for 24" Pipe Wrench	250 Nos
		Hook Jaw for 18" Pipe Wrench	120 Nos
		Heel Jaw with pin for 48" Pipe Wrench	30 Nos
		Heel Jaw with pin for 36" Pipe Wrench	250 Nos
		Heel Jaw with pin for 18" Pipe Wrench	250 Nos
		Coil and Flat spring for 48" Pipe Wrench	120 Nos
		Coil and Flat spring for 36" Pipe Wrench	20 Nos
		Coil and Flat spring for 24" Pipe Wrench	20 Nos
		Coil and Flat spring for 18" Pipe Wrench	20 Nos
		Nut for 48" Pipe Wrench	10 Nos
21	Supply of Tyres and Tube with Flaps.	Truck Tyre (Front) with tube & flap	50 Nos
		Truck Tyre (Rear ) with tube & flap	100 Nos
22	Supply of Tyres and Tube with Flaps.	Truck Tyre (Front) with tube & flap	29 Nos
		Truck Tyre (Rear ) with tube & flap	78 Nos
		Truck Tyre with tube	35 Nos

23	Supply of Spares for RIDGID make Pipe Wrenches.	Nut for 36" Pipe Wrench	20 Nos
		Nut for 24" Pipe Wrench	20 nos
24	Coring & Non- Coring PCD Bits	13mm NQ Size PCD Core Bit with TSP Chips (Matrix Body), HSN Code- 73061929	200 Nos
		NQ Size PCD Core Bit with 5 Cutters (MIN) (Steel Body), HSN Code- 73061929	70 Nos
		NQ Size PCD Core Bit with 6 Cutters (MIN) (Steel Body), HSN Code- 73061929	25 Nos
		N Size PCD Non Coring Bit; HSN Code- 73061929	50 Nos
		N Size PCD Crab Bit; HSN Code- 73061929	45 Nos.
	Supply of TC Crab, Core & Casing Bits.	TC CRAB BIT(BQ Box Connection)T.C. Insert Crab bit with 12 nos octagonal TC inserts of 7.5 mm(flat surface to flat surface) X 15 mm long on 4 nos legs of size 22 mm x 19 mm x 26 mm long (with a 3 mm cut from the upper surface at the outer side of the leg) fixed at equidistance on the shank and each leg projecting about 10 mm from the shank surface, 3 nos of TC inserts on each leg. The bit shall have about 76 mm OD and about 36.4 mm ID. The bit thread shall be of box connection and compatible to BQ double tube wireline core barrel.	30 nos
		82 mm OD TC CORE BIT. T.C. Insert set NQ core bit, set in continuous parabolic setting design, equally projected and distributed n 4 steps covering outer and inner gauges, surface cutting area and face, with total 30 nos of octagonal TC inserts of size 5.5 mm (flat surface to flat surface) x 15 mm long. The bit shall have side discharge six (6) nos deep groove water ways. All the T.C inserts shall have an angle of 8- 10 degree with horizontal plane at the cutting edge(for clearance with the rock surface during drilling operation.) The bit shall have additional 6 Nos of octagonal TC inserts of size 7.5 mm (flat surface to flat surface) X 15 mm long set at equidistance along circumference of the bit shank about 4 mm below the cutting TC inserts so as to have a set OD of around 82 mm. The ID shall be of 47.6 mm (NQ core size)	225 Nos
		T.C insert set PX casing bit. TC inserts of size about 7.5 mm(flat to flat surface) x 15 mm long with an angle 8- 10 degree at cutting face to the rock surface.	10 Nos
		T.C insert set HX casing bit HSN Code : 82075000 18 nos octagonal TC inserts of size about 7.5 mm(flat to flat surface) x 15 m long with an angle 8- 10 degree at cutting face to the rock surface.	50 Nos

25		T.C insert set NX casing bit. HSN Code : 82075000 12 nos octagonal TC inserts of size about 7.5 mm(flat to flat surface) x 15 mm long with an angle 8-10 degree at cutting face to the rock surface.	130 Nos
		T.C insert set PX casing shoe bit. HSN Code : 82075000	05 Nos
		T.C insert set HX casing shoe bit. HSN Code : 82075000 18 nos octagonal TC inserts of size about 7.5 mm(flat to flat surface) x 15 mm long with an angle 8-10 degree at cutting face to the rock surface.	50 Nos
		T.C insert set NX casing shoe bit. HSN Code : 82075000 12 nos octagonal TC inserts of size about 7.5 mm(flat to flat surface) x 15 mm long with an angle 8-10 degree at cutting face to the rock surface.	130 Nos
25	Supply of Casing.	HX " Flush coupled' 'design R/H threaded casing complete with coupling and finished in all respect	225 nos
		NX " Flush coupled R/H threaded casing complete with coupling and finished in all respect	3000 Nos
26	Supply of 06 Nos Licenses of RiSCAN pro software terrestrial laser scanner.	RIEGL Make RiSCAN Pro Viewer, Acquisition and Processing Software, version 2.4.2 or higher latest Version with Multi-Station Adjustment Module for data processing of Riegl Make Terrestrial Laser Scanner.	06 Licenses in hardware lock form with Software in 06 CDs
		HQ Wireline Double tube core barrel Outer tube, Blank reamer shell, Adopter coupling and Locking coupling preferably with suitable number of flat T.C inserts, Inner tube complete sub assemblies(swivel assemblies, knuckle head pivoting spear head, shut off valves, inner tube, core lifter case, core lifter, stop ring etc.), Stabilizer, Landing ring and Thread protector. The core barrel shall be as per Longyear"Q" series specifications dimensionally.	10 nos

27	Supply of Wireline Core Barrel and Spares.	NQ Wireline Double tube core barrel Outer tube, Blank reamer shell, Adopter coupling and Locking coupling preferably with suitable number of flat T.C inserts, Inner tube complete sub assemblies (swivel assemblies, knuckle head pivoting spear head, shut off valves, inner tube, core lifter case, core lifter, stop ring etc.), Stabilizer, Landing ring and Thread protector. The core barrel shall be as per Longyear "Q" series specifications dimensionally.	250 nos
		Spare NQ swivel type Inner tube assembly, effective length of 3 mtrs. to suit with NQ double tube core barrel. The inner tube shall be 3020.00 mm +/- 2 mm long including the length of pin thread of both ends so as to have 3 mtrs core capacity. The inner tube assembly shall be as per Longyear "Q" series specifications.	175 nos
		Spare BQ swivel type Inner tube assembly, effective length of 3 mtrs to suit with BQ double tube core barrel. The inner tube assembly shall be as per Longyear "Q" series specifications. The inner tube shall be 3020.00 mm +/- 2 mm long including the length of pin thread of both ends so as to have 3 mtrs core capacity.	10 nos.
28	Supply of Wireline Core Barrel and Spares.	Spare NQ over shot assembly with sleeve compatible to " knuckle head system" for 3 mtrs effective length of NQ D/T core barrel, conforming to Longyear "Q" series specifications.	60 nos.
29	Supply of Wireline Core Barrel and Spares.	Spare Outer Tube, NQ Spare Outer tube for NQ D/Tube swivel type wire line core barrel suitable for 3 mtrs	30 nos.
		Spare NQ Adopter Coupling for 3 mtrs effective length of NQ D/T core barrel, conforming to Longyear "Q" series specifications.	275 nos.
		Spare NQ Locking Coupling preferably with suitable number flat TC inserts for 3 mtrs effective length of NQ D/T core barrel, conforming to Longyear "Q" series specifications.	275 nos.
		3 7/8" size TRR non-coring milled tooth line bit HSN – Code 8207 The manufacturing of the bit shall confirm to IADC Code No.233.	10 nos.

30	Supply of TRR Bits.	4 7/8" size TRR non-coring milled tooth line bit HSN – Code 8207 Suitable for drilling in medium hard rock formation with water/mud fluid circulation and having 2 7/8" regular API pin connection with gauge protection by TC inserts. The manufacturing of the bit shall confirm to IADC Code No.233.	20 nos.
		5 7/8" size TRR non-coring milled tooth line bit HSN – Code 8207 Suitable for drilling in medium hard rock formation with water/mud fluid circulation and having 3 1/2" regular API pin connection with gauge protection by TC inserts. The manufacturing of the bit shall confirm to IADC	45 nos.
		6 3/4" size TRR non-coring milled tooth line bit HSN – Code 8207 Suitable for drilling in medium hard rock formation with water/mud fluid circulation and having 3 1/2" regular API pin connection with gauge protection by TC inserts. The manufacturing of the bit shall confirm to IADC	10 nos.
31	Supply of 01 License of Ventsim Premium Software for Planning and Design of Underground Mine-Ventilation System and training thereon of CMPDT.	The software must have functionality for overall mine ventilation simulation both for underground coal non coal mine it should automatically carry	01 License with software license key & software in CD
32	Supply, Installation and Commissioning of Analytical Balance.	Analytical Balance Data transfer with compatible software facility to transfer the measured data to the printer computer with USB port	01 Nos
33	Supply, Installation and Commissioning of Deep Freezer.	Deep Freezer : provide continuous constant temperature in the main part of the chamber	03 Nos
34	Supply of Water Swivel & Hoisting Plug.	Heavy duty water swivel with NW connection and bail attachment Suitable for drilling fluids like Clear water, Mud with chemicals, Foam and Air.	25 Nos
		NW Hoisting plug. Hoisting Bail and Main body of EN-8 grade steel. The bail and main body shall be one single body, made of forging or casting and shall not be welded. Swivel body knurled	25 Nos
--	Supply of Foot Clamp and	HEAVY DUTY FOOT CLAMP ASSLY Heavy Duty safety foot clamp with heavy duty M.S.Plates(minimum 12 mm thick) suitable for BQ to HQ size rods having capacity of 12000 kgs (12 tons). The foot clamp shall accompany with 1 set each of BQ, NQ & HQ jaws set with TC solids.	20 Nos



35	Supply of Safety Foot Clamp and Jaws.	Jaws for HQ size Jaws for HQ(Jaw set with TC solids for heavy duty safety foot clamp manufactured as per Longyear safety foot clamp	10 Nos
		Jaws for NQ size Jaws for NQ(Jaw set with TC solids for heavy duty safety foot clamp manufactured as per Longyear safety foot clamp	80 Nos
36	Supply, Installation and Commissioning of Water Bath.	Water Bath with Inner Chamber: Stainless Steel, Outer Chamber : Mild Steel, Enamel Painted, Temp. range ambient to 100 Degree C	02 Nos
37	Supply of Miscellaneous Computer Consumables.	Cartridge Ribbon for Lipo 6615 line	18 Nos
		Toner for ricoh A3 laser	4 Nos
		Toner for Ricoh Laser Sp C250dn	01 Nos
		Toner for richo Laser Sp C250 Yellow	01 Nos
		Toner for richo Laser Sp C250 Magenta	01 Nos
		Toner for richo Laser Sp C250 Cyan	01 Nos
		Storage Media CD-R-700 MB	150 Nos
		Storage Media diskette CD-RW-650 MB	60 Nos
		Storage Media DVD-R/W-	60 Nos
		Storage Media DVD+R Case	400 Nos
		Tonner for Toshiba 2860	02 Nos
38	Supply of Filter Paper.	Glass Microfiber filter paper dia 125 mm. (100 nos each packet).	25 Packet
39	Supply, Installation, Commissioning and Testing of fully Automatic PC based thermo gravimetric (Proximate) Analyzer. (Complete Set)	A fully automatic PC based thermo gravimeter (proximate) analyzer to determine Ash moisture volatile matters and fixed carbon for code coke and any other organic inorganic materials and in concurrence.	01 nos
40	Supply of Dual Density caliper Probes.	Side wall density probe with Single arm caliper should be capable of recording long spacing density from 1 to 3.0 g/cc or better high resolution density from 1 to 3.0 g/cc or better natural gamma ( sodium iodide/thallium activated and single arm caliper range from 50 to 300 mm.	03 nos
		Electrical Logging probe should be capable of recording 16,64 inch normal resistivity from 1 to 2000 ohm or more single point resistance resistivity self potential natural gamma	02 Nos
41	Supply of Electrometer Board (Spares part of Rock Eval-6 Analyzer Part No. 8- 011567)	Electrometer Board: spare part of rock Eval-6 the analogue board is located in the first shot counting from left of the electronic rank in the pack eval-6 instrument this analogue board function as FID signal amplifier.	01 no
42	Supply of H Size PCD Non Coring Bit.	H Size PCD NON Coring Bit : Holding material of cutters	30 nos
43	Supply of NW Right Drill Rod with Coupling.	NW right hand drill rod with coupling.	200 nos.

44	Supply, Installation and Commissioning of Soldering and Desoldering Station.	Soldering and Desoldering Station; The system should have capability to rework on, both through Hole & SMD Components. The input should have digital display to show the temperature of each control. Temperature should be adjustable digitally using push bottom 200 °C-480 °C.	01 no.
45	Supply of Tent & Tarpaulin.	Kabul Pal Tent, size 3.66 m x 3.05 m x 2.44 m x 1.22 m (12' x 10'x 8' x 4'). HSN Code-6306. Kabul Pal Tent, size 3.66 m x 3.05 m x 2.44 m x 1.22 m (12' x 10'x 8' x 4') with bathroom, veranda, windows, overlapping purdas at both the ends and complete with all other standard components and accessories. The tent shall be double flied. The outer fly shall consist canopy, Veranda in the front and fixed Bathroom at the rear end. The outer fly shall consist canopy, The height of veranda shall be 1.36 m.	60 Nos
		Shouldary double flied Tent size 3.05 m x 3.05 m x 2.13 m x 1.22 m (10' x 10'x 7' x 4'). HSN Code-6306. Shouldary double flied Tent, size 3.05 m x 3.05 m x 2.13 m x 1.22 m (10' x 10'x 7' x 4') with window, overlapping purdas and hood at both ends and complete with all standard components and accessories.	30 Nos
		Tarpaulin of size 6.10 m x 6.10 m (20' x 20'). HSN Code-6306. Grey / Bottle Green color basic cotton duck canvas. 100% water proof and rot proof conforming to IS:1422:1977, variety No.2. measuring 610 gram per square meter & processed to meet IS:2089,1972. Having hook joint stitched with 1 1/2" x 1" Hem and Seem and fitted with Brass/Aluminum eyelet with an extra triangular piece of canvas at 4' apart and two eyelets at the corners.	25 Nos.
		Tarpaulin of size 3.05 m x 3.05 m (10' x 10'). HSN Code-6306. Grey / Bottle Green color basic cotton duck canvas. 100% water proof and rot proof conforming to IS:1422:1977, variety No.2. measuring 610 gram per square meter & processed to meet IS:2089,1972. Having hook joint stitched with 1 1/2" x 1" Hem and Seem and fitted with Brass/Aluminum eyelet with an extra triangular piece of canvas at 4' apart and two eyelets at the corners.	20 Nos.

46	Supply, Installation and Commissioning of Flue Gas Analyzer.	Flue Gas Analyzer: Calibration Certificate must be issued by a NABL accredited Organization and to be given at the time of supply. Certificate must contain the NABL logo. Data transfer with compatible software, facility to transfer the analyzed data to the printer /Computer with USB port.	03 Nos
47	Supply installation and commissioning of muffle Furnace, Laminar air chamber, autoclave and BOD incubator.	Muffle Furnace Chamber size (DxWxH) :450x230x230 mm ( ApproX) power supply furnace should operate on 230±10V/50Hz AC power supply Door: opening & closing with heat proof handle exhaust fume exit provision Temp Controller automatically compensates for line voltage fluctuations of ±10 VAC and ambient temp changes etc.	1 Nos
		Laminar Air Chamber horizontal laminar flow type work Area 120cmx60cmx60cm principle double filtration of air etc	1 Nos
		Auto Clave should be vertical with internal height of minimum 500mm and internal diameter of minimum 350mm. the inner chamber should be made of thick stainless steel sheet and the outer shell is made of mild steel sheet duly painted with stoving hammer tone paints etc.	1 Nos
		BOD Incubator structure double walled with superior quality of insulation inside aluminum outside mild steel temperature control 5 deg c with built in electronic digital thermometer and automatic temperature control.	3 Nos
48	Supply installation and commissioning of Desorption canister BQ & HQ size	Desorption Canister BQ Size Canister should consist of thermostatic digitally controlled cylindrical pressure oven completely air tight and free Inner working cylinder should be made of drawn stainless steel pipe thickness of the pipe: 02mm	15 Nos
		Desorption Canister NQ Size Canister should consist of thermostatic digitally controlled cylindrical pressure oven completely air tight and free from any leakage for desorbed gas volume measurement at reservoir temperature inner working cylinder should be made of drawn stainless steel pipe	40 Nos
		Desorption Canister HQ Size consist of thermostatic digitally controlled cylindrical pressure oven completely air tight and free Inner working cylinder should be made of drawn stainless steel pipe thickness of the pipe: 02mm	15 Nos
49	Supply installation and commissioning of vacuum pressure pump with Silicon stopper	Vacuum Pressure Pump with Silicon Stopper	3 Nos

50	Supply installation and commissioning of Hot plate (Advance)	Hot Plate (Advance) for enviroment lab. Brief spec :Size not less than 145 MM dia, Digital Temperature controller with LCD Display, Thermostart regulation, capacity: 2 KW and above, accurarcy $\pm$ 0.5 Degree Centigrate etc.	4 Nos
51	Supply of Diamond Casing Bits, Shoe Bits & Reamer Shells	NQ Surface Set Diamond Reamer Shell,HSN Code- 8207, Size of Diamond- 15/25 SPC, Processed Natural Diamond , Standard Quality Crown Profile-Blanced Ring Type	500 Nos
		HX Casing Diamond Bit, HSN Code- 8207, Size of Diamond- 15/25 SPC, Processed Natural Diamond,selected quality (AA quality or Equivalent)	30 Nos
		PX Casing Diamond Bit, HSN Code- 8207, Size of Diamond- 15/25 SPC, Processed Natural Diamond,selected quality (AA quality or Equivalent)	05 Nos
		NX Casing Shoe Diamond Bit, HSN Code- 8207, Size of Diamond- 15/25 SPC, Processed Natural Diamond,selected quality (AA quality or Equivalent)	50 Nos
		HX Casing Shoe Diamond Bit, HSN Code- 8207, Size of Diamond- 15/25 SPC, Processed Natural Diamond,selected quality (AA quality or Equivalent)	20 Nos
		PX Casing Shoe Diamond Bit, HSN Code- 8207, Size of Diamond- 15/25 SPC, Processed Natural Diamond,selected quality (AA quality or Equivalent)	05 Nos
52	N Size Diamond impregnated core Bit	N Size Diamond impregnated core Bit, HSN Code- 8207 matrix height:- 10mm (min.)	275 Nos
53	Steel Wire Ropes	Steel Wire Ropes:- 19 mm x 40 mtrs. HSN Code- 73121010	60 Nos
		Steel Wire Ropes:- 16 mm x 98 mtrs. HSN Code- 73121010	10 Nos
54	Glassware items	Supply of different type of Beaker, Bottles (Reagent), Burette Amber, volumetric flask glass and other labrotary items.	Of assorted quantity
55	Sound Level Meter, PM 2.5 Sampler and RSPM Sampler	Sound Level Meter, HSN Code- 90279090	01 Nos
		PM 2.5 Sampler, HSN Code- 90271000	103 Nos
		RSPM Sampler with brush less motor and Gaseous sampling attachment with thermostatic temp-control system	58 Nos

56	Metrological Sensors with mast.	Metrological Sensors with mast (WS, WD, temp, Humidity & Rainfall), HSN Code- 9015	03 Nos
57	Hydrogen Generator	Hydrogen Generator, HSN Code- 85433000	02 Nos
58	Adapters [HSN Code: 8431]	NQ Box R/H to NW Pin R/H Adopter, NQ Box Connection - Longyear "Q" series specification, NW Pin Connection- BS : 4019,Pt, 1:1974	50 Nos.
		NQ Box R/H to NW Pin R/H Adopter, NQ Box Connection - Longyear "Q" series specification, NW Pin Connection- BS : 4019,Pt, 1:1974	50 Nos.
		NQ Box R/H to NW Pin R/H Adopter, NQ Box Connection - Longyear "Q" series specification, NW Pin Connection- BS : 4019,Pt, 1:1974	50 Nos.
59	Isoperibol Bomb Calorimeter (Complete Set.)	Isoperibol Bomb Calorimeter (Complete Set) with Spares and Accessories, HSN Code- 90278020	01 Nos
60	N Size Wire Line Right Hand Drill Rods	N Size Wire Line Right Hand Drill Rods , Effective Length- 3mtrs. Long, HSN Code- 7304	1750 Nos