

Annexure 1

Specification Sheet for NIT: 18-19/086

S.No.	Long Description(C40)(40character)	No of Units	Uom	Detail specification	Prefferable Make
1	PH-COND METER	1	NOS	pH Range- 0 TO 14,Resolution 0.1 TO 0.001,Accuracy 0.002. Cond-Rnge 0.01us/cm to 200 ms/cm,Resolution 0.01 Accuracy 0.05. TDS Range 0-50000 ppm,Resolution 0.01,Accuracy 0.01. Benchtop cum Portable type.	Hach
2	TURBIDITYMETER	1	NOS	Range 0 to 1000 NTU,Accuracy (+)(-) 2%,Repeatability (+)(-) 1%,Resolution 0.01 NTU.	Hach
3	DO METER	1	NOS	Range 0 to 2000 ppb ,Lowest Detection point 0.6 ppb. Resolution : 0.01 ppm.Illumination Technology	Hach
4	SODIUM ANALYSER	1	NOS	Range 0.000 to 23000 mg/L Na+.	Hach
5	MOISTURE ANALYSER	1	NOS	KF Moisture Content Analysis package (P/N-AP0014.KF1121) Range 1 To 10000 ppm Moisture Content. Diaphragm type.	Metrohm/Mettler tolede
6	GAS ANALYSER	1	NOS	Microcontroller Based,User programmable Alarm levels,Inbuilt High decibel Buzzer,Auto zero correction,Intrinsically safe.Measuring Parameter's O2,NO,NO2,SO2,CO,HC,Accuracy (+)(-) 2% FS.Range O2-O-25% V/V.NO:-0-2000 ppm,NO2 0-100 ppm,SO2 0-1000 ppm,CO 0-2000 ppm,HC 0-100 % LEL. With One mtr measuring probe and 2 mtr hose.	Testo/Vaishala/Alpha Moisture
7	TOC ANALYSER	1	NOS	Integrated 10.4" ,To Touch screen 100-240 VAC ,Includes IQ/OQ Documentation. UV converter and NDIR thechnology. Furnace free technology	Hach
8	DEW POINT ANALYSER	1	NOS	Sensor :-IC Capacitive,Range Dew point :- Dew point -80 to 30°C & -60 to 30°C,Accracy : (+)(-) 2% of FS ,Response Time <10 Sec ,Operating Temp.0 to 55'c, Display : LCD ,Sampling :Direct plug in ,Encloser : Plastic.	Alpha Moisture/Vaishala
9	COAL CRUSHER	1	NOS	P SIZE :(-)13 MM ,Product Size :(-) 3 mm ,Capacity : 30 kg/hr Approx,	Ambika/Insmart/Mineral Process
10	COAL PULVERISER	1	NOS	Feed Size (-)8 mm ,Product Size :(-) 72 mesh (212 Micron),Capacity 280 to 350 Grams/Minute,Disc Diameter 175 mm ,Material :-Alloyl Steel	Ambika/Insmart/Mineral Process
11	HUMIDITY CHAMBER	1	NOS	Size :-570x550x875 mm.Capacity 280 litre,Volume :10 Cubic feet.	Remi/ACMAS/Hamco
12	FUME HOOD	1	NOS	Laboratory Fume Hood (5 FT Width),Model :-Duct with Centrifuge Blowers.	Any Make
13	MAGNETIC STIRRER/HEATING PLATE	1	NOS	Stirrer Cum with Hot Plate ,Top plate Size :- 18x18 cm.Max Load 11 kg ,5 Ltr, Temp 50'c to 500'c ,Plate Material :- Ceramic ,Stirrer Speed control 100 to 1200 RPM	Any Make
14	VACCUM PUMP	1	NOS	Power 90 W ,Max Current 0.5 A,Max.Vaccum 120 mbar,(670 mmHg),Flow Rate 33 l/min.Motor Rotation 1450 RPM,Horse power 1/6 HP,Dimension (LxWxH):26.7x11.2x18.1 cm. With Oil Filtration Assembly.	Millipore/Tarsons
15	WATER BATH	1	NOS	Stainless steel,High Thermal Efficiency ,No of Holes 12 of 75 mm Dia ,Capacity 15 Lts,Heating Load 2.0 KW,Temp Controller :Hydraulic type capillary thermostat,Temp range 5-100'c.	Any Make