



BIHAR POLICE BUILDINGS CONSTRUCTIONS CORPORATION
(A Govt. of Bihar Undertaking)
Kautilya Nagar, Patna- 14

www.bpbcc.co.in, Phone No.0612-2223727, Fax No.-0612-2224529

Re-Quotation Invitation Notice no.- 05/2017-18

Quotations are invited for SUPPLY & INSTALLATION OF following machine & equipments from the reputed firm or, company for **Quality Control Laboratory** at the head Quarters office of the BPBCC, Patna in a sealed envelope. The details of required equipments along with its specifications are given in annexure-1 and may be seen on our website **www.bpbcc.co.in**.

2- The quotation must be accompanied with registration certificate VAT/TIN/ latest Income Tax return/ clearance certificate. The referral rates of D.G.S. and D Rate contract will be preferred. The sealed envelop must be received in the office of undersigned latest by **3 p.m. on 29-05-2017**.

The undersigned reserves all rights to accept or reject one or, all quotation without assigning any reason.


18/5/2017

Chief Engineer
Bihar Police Buildings
Constructions Corporation, Patna

BIHAR POLICE BUILDINGS CONSTRUCTIONS CORPORATION
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REQUIRED MACHINES/EQUIPMENTS FOR SOIL TEST
DETAILS OF ITEMS & SPECIFICATION WITH QUANTITIES (B.O.Q)


Sl. NO.	Type of Machines/Equipments	Unit	Quantity	Rate	Amount in Rs.	Remarks
1. SUPPLY & INSTALLATION OF MACHINES/EQUIPMENTS						
1	Hand Operated Extractor 38mm dia specimen consist of sample extractor frame (Screw type with a wire sample trimmer) Jarring Link (for driving the sampling tube) Adapter with locking screw (for fitting the 38mm dia sampling tube to Jarring Link) Split Mould (38mm dia x 76 mm long, provided with quick release clamps.), Sampling Tube-1 No (Unrelieved, 38mm dia x 200 mm Long)	Per Set	1.00			
2	Liquid Limit Device, Hand Operated, with Casagrande grooving tools and gauge block.	Per Set	1.00			
3	Plastic Limit set comprising of glass plate, Brass rod, Spatula, Moisture Tin & Porcelain Dish.	Per Set	1.00			
4	Universal Penetro Meter, Disital Type New Type for Soil and Bitumen testing.	Per Set	1.00			
5	Direct Sheer Test Apparatus 2 KN capacity, with IS specifications along with Shear Box Assembly, This assembly comprises of Plane Gripper Plate Perforated Gripper Plate Porous Stone Top loading Pad Base Plate Shear Box Housing with two linear bearing case with steer Specimen cutter Surcharge Weights to attain normal stress of 3 Kg/ cm ² Operation : Motorised Rates of Strain : 1.25, 0.625, 0.25, 0.125, 0.05, 0.025, (mm/min) 0.01, 0.005, 0.002, 0.001, 0.0004, 0.0002 Specification Size : 60 x 60 x 25 mm This surcharge weight set comprises of following weights: 0.05 kg/cm ² : 4 Nos. 0.10 kg/cm ² : 1 No. 0.20 kg/cm ² : 1 No. 0.50 kg/cm ² : 3 Nos. 1.00 kg/cm ² : 1 No. Compression - Tensioin proving Ring, 2 KM capacity 1 No. Dial Guage 0-25 x 0.01 mm 2 Nos.	Per Set	1.00			
6	Universal Automatic Compactor with mild steel, compaction mould as per IS specification.	Per Set	1.00			

	<p>Laboratory California Bearing Ratio Test Apparatus, Motorised with Load Frame four speed with Mild Steel Mould. Ref Standards Is:9669, IS:2720 (PartXVI), BS 1377:1924, EN 13286-47/ASTM D 1883, AASTHO T 193. Equipment consisting of :Load frame, 50kn capacity with Horizontal Clearance- 265mm, Vertical clearance -700mm, Maximam Plated dia -157 mm with Hardness of material (platen):60 RHC, Maximum platen travel-100mm, Four Speed in mm/min, properly painted. Frame Stiffness:- Approx 100 kn/mm Material of Construction: Special quality low carbon mild steel. (Carbon-16% - 17%) Mould- MS 150mm ID x 175 mm H, Perforated Base Plate-MS. Extension Collor - MS 150MM ID x 50 mm high Penetration Piston 50mm face dia. Adjustable Bracket for Penetration Dial Guage, Circular Metal Spacer Disc, with detachable handle, 148 mm dia x 47.7 mm high, Annular Metal weight 2.5 kg, 147mm dia with 53 mm dia slot. Perforated Plate 148 mm dia, with adjustable stem and lock nut. Metal Tripod for Dial Gauge, Cutting Collor, Rammer 2.6 Kg, 310mm controlled drop. Rammer 4.9 Kg, 450mm controlled drop. Proving Ring capacity 50 kn Dial Gauge 25mm travel, 0.01 mm least count. Load frame Pillar thread M30 x 600mm. Suitable for operation on 220v, 50 Hz, single phase AC supply. It must be table top machine.</p>	Per Set	1.00			
8	<p>Sand Pouring Cylinder Apparatus, 100mm dia. Ref Standard IS:27720 (Part 28) Sand Pouring Cylinder fitted with Conical Funnel and shutter, capacity 3 litre . Cylindrical Calibration Container 100mm ID x 150mm height Metal Tray size 30x30x4 cm, with 10cm central hole</p>	Per Set	1.00			
9	<p>Triaxial Test Apparatus, Analog, with Ref Standard IS 2720 (Part XII) IS:2720 (Part 11) & (Part 12) Loade Frame, Motorised, 390 speeds, 50 kn, Triaxial Cell, Stationary Bushing, 38mm dia with Top loading pad, Perspex, 38mm dia 1 No. Plain Pespex disc 38 mm dia x 6 mm thick. Porous Stone 38mm dia x 6 mm thick . Sheath stretcher for 38 mm dia specimen Two way split former for 38 mm dia specimen Rubber sheath for 38 mm dia specimen Drainage tube (Short), 38mm Drainage tube (Long), 38mm 'O' Rings for38 mm dia specimen Split Mould, 38 mm dia Top loading pad 38 mm (Plain) Proving ring 2.5 Km capacity Constant pressure system oil water type Pore pressure apparatus having:- Pressure Gauge Bourdon Tube type, Graduation : 1.0</p>	Per Set	1.00			
10 (a)	Mild Steel, Zinc Plated CBR Mould 150 mm ID x 175 mm	Each	5.00			
10 (b)	Mild Steel, Zinc Plated Perforated base Plate for M.S.Mould	Each	5.00			
10 (c)	Mild Steel, Zinc Plated Extension Collar 150 mm ID x 50 mm high	Each	5.00			
11 (a)	Sampling Tube 38 mm	Each Pair	14.00			
11 (b)	Sampling Tube 50 mm	Each Pair	14.00			
12	Thermo State Water bath size- 600 mm x 300 mm x 175 mm	Each	2.00			
13	Concrete Mixer, Pan type Capacity 40 L, 440 V 3 Phase, 2 HP, 960 RPM	One Set	1.00			

Vibratory Compaction Table 50x50 cm for 4 moulds of 150 mm cube.	One Set	1.00			
Total					

Note :-

1. The bidder must have authorisation dealership and has to supply and install above mention work within 2 weeks.
2. The quoted rate and total amount will be inclusive of all taxes and carriage.
3. The installation of equipment will be done as per specification and as per the instructions of Engineer Incharge Quality Control Lab.
4. The equipment make/brand must have ISO : 9001 certification .
5. The competent authority of Bihar Police Building Construction Corporation, Patna reserve his right to accept or reject the offers based on submitted documents.



 Engineer Incharge
 Quality Control Lab
 Bihar Police Building Construction Corporation, Patna