

**GOVERNMENT OF MANIPUR
PUBLIC WORKS DEPARTMENT**

**QUOTATION No. MQCD/1
Dated, Imphal, the 12th February, 2015.**

Sealed rate quotations are invited from the intending registered supplier/ stockiest/ dealers for "Supply of Soil Mech Laboratory and Field equipment of PWD, Manipur" and will be received upto 1.00 P.M. on 27/02/2015. The same will be opened on the same day at 3.00 P.M. in the presence of the quotationist/ representatives who may be present at the time of opening quotations.

The particulars of Soil Mech Laboratory and Field equipment to be supplied are as in Annex.- I

TERMS & CONDITIONS:-

1. The Equipment should be supplied within one month from the date of issue of supply order.
2. Any increase in taxes and charges at the time of delivery shall not be entertained by the department.
3. Transit Insurance: The equipment under the contract shall be fully insured against any loss or damage in transit up to delivery site at the cost of the supplier.
4. Terms of payment: 90% of the cost of equipment may be made against dispatch documents through bank subject to production of a bank guarantee (Annex. - II) of an equivalent amount from a nationalized bank and the balance after receipt and commissioning of the equipment. The guarantee bond shall have a validity period of 3 (three) months or at least one month after commissioning of the Equipments whichever is later.
5. Training: The supplier shall give proper operational and maintenance training to the operators of the department.
6. Warranty: The Equipment supplied shall carry a warranty of 12 (twelve) months from the Invoice date for any manufacturing defects and same shall be repaired/ replaced by the supplier during this period.
7. All the Equipment shall be delivered to the office Premise of the "Executive Engineer, Monitoring & Quality Control Division, PWD Campus at Khuyathong, Imphal, Manipur in full good condition.
8. All legal disputes which may arise will be subject to the jurisdiction of the courts at Imphal, Manipur.
9. Rate quoted shall be inclusive of Excise Duty, CST, etc. No extra charges will be entertained.

This call of Quotation shall be available in the portal www.manipur.gov.in.



Executive Engineer
Monitoring & Quality Control Division.
PWD, Manipur

Endt. No. EE/MQCD/Quot/2015/

Dated, Imphal, the 12th February, 2015

Copy to:-

1. The Addl. Chief Engineer – I, PWD, Manipur.
2. The Superintending Engineer – II, PWD, Manipur.
3. The File.

Executive Engineer
Monitoring & Quality Control Division.
PWD, Manipur

Annexure - I

Sl. No	Particulars	Quantity
	Soil Mech Lab Items	
1	Hand Operated Extractor for 38mm and 50mm dia specimen	1
2	Triaxial Cell for testing specimens of size 38mm dia x 76mm long and 50mm dia x 100mm.	1
3	Dial Gauge 25mm travel 0.01mm at least count.	4
4	Soil Cone Penetrometer, Digital Type	1
5	Shrinkage Limit Set	1
6	Unconfined Compression Tester for load measurement, supplied with Load Frame 3 speed 50kN, Proving Ring- 2kN and dial Gauge- 0.01x25mm and Plain Platen with adapter, Split Mould and Rubber Sheath.	1
7	Direct Shear Test Apparatus 2kN capacity	1
8	Laboratory California Bearing Ratio Test Apparatus, Motorised, Three speed	1
9	Liquid Limit Device, motorised, with Casagrande grooving tools and gauge block (suitable for operation on 50 Hz single phase AC Supply)	1
10	Plastic Limit set comprising of glass plate, Brass rod, spatula, Moisture Tin and Porcelain Dish	1
11	Sieve Shaker, Motorised, with Built in Digital Timer	1
12	Sieve Brass Frame 20cm dia x 10mm, 5.6mm, 4.75mm, 4mm, 3.35mm, 2.8mm, 2.36mm, 2mm, 1.70mm, 1.6mm, 1.4mm, 1.25mm, 1.18mm, 1.00mm, 850, 710, 600, 500, 425, 355, 300, 250, 212, 180, 160, 150, 125, 106 microns (set of 27 nos)	1
13	Compaction Test Apparatus for light compaction	1
	Soil Mech Field Items	
14	A' Drill Rod 1m long complete with adaptor	3
15	Standard Penetration Test (SPT) Set consisting of Split Spoon Sampler, Drive Weight, Guide Pipe Assembly, Tripod, with Rope 19 mm dia x 10m length	1 Set
16	In-Situ Vane Shear Test Apparatus with Dial Gauge	1
17	Plate Bearing Test Apparatus	1
18	Split Spoon Sampler with liner	1
19	Dynamic Cone Penetration Test Apparatus (DCPT)	1
20	Grooved M.S. Plate 60cm x 60cm dia square x 25mm thick	1
21	Core Cutter	1
22	Sand pouring cylinder Apparatus, 100 mm dia	1
23	Proctor Penetrometer as per ASTM D1558	1
	Concrete Testing Instruments, Lab Type	
24	2000kN Compression Testing Machine Electrically operated with three load gauges 2000kN, 1000kN, 500kN,	1
25	Benkelman Beam with Analog Dial Gauge in Wooden Carrying Case (As per IRC:81)	1
26	Slump Test Apparatus with testing rod and base pl	1
27	Bulk Density Measures, 10 and 20 Ltrs	1
28	Mould Cast Iron, for 100mm Cube with ISI Certification Mark	6
29	Mould Cast Iron, for 150mm Cube with ISI Certification Mark	6
30	Tamping Rod steel 16mm dia with ISI Certification Mark	1
31	Beam Mould, 100mm x 100mm x 700mm	6
32	Beam Mould, 100mm x 100mm x 500mm	6
33	Accelerated Curing Tank for 12 moulds of 150mm size	1
34	Vibrating Table, 50x50cm for 4 moulds of 150mm cube	1
35	Hydraulic jack 2000kN Capacity with Gauge & Hand Pump	1

	Strength of Material Lab	
36	Universal Testing Machine Computerised,Capacity,1000kN	1
37	Impact Testing Machine	1
	Cement Testing Instruments	
38	Vicat Apparatus with ISI Certification Mark,IS:5513,fitted in Aluminium Box	1
39	Vicat Mould	1
40	Glass Base Plate	1
41	Initial Needle(in Plastic Case)	1
42	Final Needle(in Plastic Case)	1
43	Consistency Plunger(in Plastic Case)	1
44	Le-Chtelier Mould, with ISI Certification MarkIS:5514,each	1
	Sand, Aggregate Testing Equipments	
45	Crushing Value Test	1
	Miscellaneous Equipments for Laboratory	
46	Pycnometer	3
47	Bulk Density Measure (20 Lt. cap. Conforming to IS: 1199 complete with carrying handle).	3
48	Cement Spatulla IS: 269	3
49	Trowel IS: 4031, (100mm to 150mm long blade with straight edge).	3
50	Density Basket IS: 2386 pt. III (approx. 20cm dia x 20 cm height)(.	3
51	Thermometer (360° C cap.)	6
52	Moisture Content Container (50 mm x 50 mm size)	50
53	Physical Balance	1
54	Aluminium Tray (Medium size)	6
55	Enamel Tray (Medium size)	6
56	Glass Cylinder/ Plastic (100 ml, 500 ml, 1000ml cap – 2 nos each)	6
57	Glass Beaker/ Plastic (500ml, 1000 ml cap. – 3 nos each)	6
58	Test Tube with stand	3
59	Filter Paper	6
60	Kerosene Stove (Medium, Big – 1 each)	2
61	Hot Plate (Medium, Big – 1 each)	2
62	Pan Balance (20 kg. cap.)	2
63	Pan Balance (10 kg. cap.)	2
64	Weight 10 to 5gms	2
65	Weight box(200 gm to 1kg)	2
66	Rammer (1kg to 5 kg cap.)	2
67	Screw Driver (Medium, Big – 1 each)	2
68	Plier (Medium size)	2
69	Chain Wrench (Big size)	6
70	Pipe Wrench (Big size)	6
71	Ring Wrench	2
72	Pana Wrench	2
73	Jumper (Big size)	2
74	Spade	2

From of Security (Guarantee) Bank Guarantee Bond

In consideration of the Governor of Manipur (hereinafter called "The Government") having offered to accept the terms and conditions of the proposed agreement between

.....(hereinafter called "the said Supplier(s)) for the work (hereinafter called "the said agreement") having agreed to production of an irrevocable Bank Guarantee for Rs. (Rupees only) as a security/guarantee from the supplier(s) for compliance of his obligations in accordance with the terms and conditions in the said agreement.

We, (hereinafter referred to as "the Bank") hereby undertake to pay the
(*indicate the name of the Bank*)
Government an amount not exceeding Rs. (Rupees
.....only) on demand by the Government.

1. We, do hereby undertake to pay the amounts due and payable under this
(*indicate the name of the Bank*)
guarantee without any demure, merely on a demand from the Government stating that the amount claimed as required to meet the recoveries due or likely to be due from the said supplier(s). Any such demand made on the bank shall be conclusive as regards the amount due and payable by the bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. (Rupees only).
2. We, the said bank, further undertake to pay the government any money so demanded notwithstanding any dispute or dispute raised by the supplier(s) in any suit of proceeding pending before any court or Tribunal relating thereto, our liability under this present being absolute and unequivocal.

The payment so made by us under this bond shall be valid discharge of our liability for payment thereunder and the Supplier(s) shall have no claim against us for making such payment.

3. We,further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said agreement and that it shall continue to be enforceable till at the dues of the government under or by virtue of the said agreement have been fully and its claims satisfied or discharged or till Engineer-in-Charge on behalf of the Government certified that the terms and conditions of the said agreement have been fully and properly carried out by the said Supplier(s) and accordingly discharges this guarantee.
4. We, further agree with the Government that the Government shall have been the fullest liability without our consent and without affecting in any manner our obligation hereunder to vary any of the terms and conditions of the said agreement or to extend time of performance by the said supplier(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the Government against the said supplier(s) and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said supplier(s) or for any forbearance, act of omission on the part of the Government or any indulgence by the Government to the said supplier(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

5. This guarantee will not be discharged due to the change in the constitution of the Bank or the Suppliers).
6. We, lastly undertake not to revoke this guarantee except with the previous consent of the Government in writing.
7. This guarantee shall be valid upto unless extended on demand by the Government. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs..... (Rupeesonly) and unless a claim in writing is lodged with us within ix months of the date of expiry or the extended date of expiry of this guarantee all our liabilities under this guarantee shall stand discharged.

Dated the Day of for (indicate the name of the Bank)