

ସରକାରୀ ବହୁବୃତ୍ତିଆନୁଷ୍ଠାନ
ମୟୂରଭଞ୍ଜ, ଟିକାରପଡ଼ା



GOVERNMENT POLYTECHNIC
MAYURBHANJ, TIKARPADA

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OFFICE OF THE PRINCIPAL, GOVERNMENT POLYTECHNIC, MAYURBHANJ-757049

No 2324/GPM,Tikarpada, Date 14/10/2026

QUOTATION CALL NOTICE

Quotations are hereby invited from authorised dealers/ suppliers/ vendors/firms having good track records for supply & Installation of Civil Lab Machinery/Equipments in the Government Polytechnic Mayurbhanj. Interested dealers/ suppliers/ vendors/ firms are requested to submit the quotation in a sealed cover as per the following Specifications in the address of the Principal Government Polytechnic Mayurbhanj through Speed Post/registered post/ by hand on or before dt. 26.10.2026 by 1.00PM super scribing the envelope "Supply & Installation of Civil Lab Machinery/Equipments" and the quotations are to be opened on date 26.10.2026 at 04.00 PM in the presence of the representatives of the intending bidders/suppliers. If they are so like. The following Specifications mentioned in separate Annexure-I.

Terms and Conditions

1. The rate should be inclusive of all taxes.
2. Rate should be quoted at F.O.R Destination Inclusive of all charges.
3. Furnishing GST Registration certificates/PAN.
4. Photo copy of the return towards payment of GST (Valid) of the Firm.
5. Period of delivery after placement of order specified.
6. The quotation should clearly mention the specifications offered in the notice.
7. On the sealed cover must be written "Quotation for Supply & Installation of Civil Lab Machinery/ Equipments" addressing to the Principal Government Polytechnic Mayurbhanj, Tikarpada, PIN-757049.
8. The Undersigned reserves all rights to accept or reject the quotation in full or part thereof without assigning any reason thereof. For Further details visit our institute website <https://gpmayurbhanj.org.in>

Memo No 2325(5)/dt. 14/10/2026

Copy to the Notice Board of the institution/Institute Website/ Principal TTI Takatpur/ General Manager DIC Mayurbhanj/District Skill Development & Employment Officer, Mayurbhanj are requested to display the quotation in Notice Board for wide circulation.

Principal
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Mayurbhanj
Govt. Polytechnic, Mayurbhanj
TIKARPADA (ODISHA)

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Annexure-I

Sl.No	Machinery/ Equipment Name with specification		Qty
01-	Apparatus for minor losses in pipe fittings due to sudden contraction and sudden enlargement and due to Bend and Elbow.	Study of Pipe Fittings, Sudden Enlargement & Contraction Apparatus The set up consists of a 1/2 bend and elbow, a sudden expansion & sudden contraction fitting from 15mm to 25mm, ball valve and gate valve. Pressure tapings are provided at inlet and outlet of these fittings under test. A differential manometer fitted in the line gives pressure loss of individual fittings. Present set-up is self-contained water re-circulating unit, provided with a sump tank and a centrifugal pump etc. Flow control valve and by-pass valve are fitted in water line to conduct the experiment on different flow rates. Flow rate of water is measured with the help of measuring tank and stop watch. EXPERIMENTS - To determine loss of head in the fittings at various water flow rates - To measure the loss coefficient for the pipe fittings FEATURES - Choice of Test Section - Closed loop water circulation - Compact & stand alone set up - Stainless Steel tanks and wetted parts - Superb Painted structure - Simple to operate & maintain UTILITIES REQUIRED - Electric supply 0.5 kW, 220V AC, Single ϕ - Water supply Tap water connection 1/2" BSP Distilled water @ 60 liters (optional) Floor Area with Drain facility TECHINICAL DETAILS Test Section - Sudden Enlargement From 15mm to 25mm Sudden Contraction From 25mm to 15mm Fittings Size 1/2" Bend, Elbow, Meter Bend, Ball valve, Gate valve Straight pipe section for Study of friction in pipe. Water Circulation- FHP capacity make Crompton Greaves / Kirloskar Flow Measurement - Capacity 30 Ltrs. MOC SS fitted with Piezometer Tube & scale Piping - MOC GI and PVC Sump Tank- Capacity 50 Ltrs. MOC SS Stop Watch- Electronic Control Panel- On/Off Switch, Mains Indicator etc. Overall Dimensions-(L x B x H) 180 x 42 x 170 cm	01 no
02	Dissolved Oxygen Metre	Apparatus for Determination of dissolved Oxygen in water sample BOD bottles- (300ml capacity) with Stopper Burette Pipette	01 no
03	Apparatus for Determination of residual chlorine in a water sample.	Apparatus for Determination of residual chlorine in a water sample. i) Burette – 50ml capacity ii) Pipette (20ml) iii) Conical flask (250ml) iv) Measuring cylinder (500ml)	01 set

04	Complete Setup for B.O.D Test	B.O.D. Incubator Bod incubator CE Certified inner chamber made of s/s grade 304 & outer body made of ms for use in making standard b.o.d. (biochemical oxygen demand) determinations on water and sewage and for microbiological experiments. Temp. Arrangement from 5 deg. C to 50 deg. C +/- .5 deg. C (point 5 deg c) fitted with glass door double walled cabinet insulated with 75-mm thick superfine glass wool in between interior and exterior. Temp. Is controlled by a digital controller-cum temperature display with sensitivity of 0.5 deg. C. With temp. Setting facility and ensures accurate temp. Control. The hermetically sealed compressor along with fan cooled condenser coil are placed below the working chamber. Available with automatic high voltage and low cut off with built in voltage stabilizer operated on 220/240volts ac mains capacity 4 cu ft. (160 litre)	olno
05	Friction factor apparatus	Pipe Friction Apparatus Pipe Test Section-Dia 25 mm Pr. Taping Length 1m, Dia 30mm, Pr. Taping Length 1.0m Pipe Test Section Material-G.I Water Circulation-0.5 HP Pump, Kirloskar/Standard make Flow Measurement- Using Measuring Tank (S.S) with piezometer Cap, 30 Ltrs Sump Tank Capacity-55 Ltrs (S.S) Pressure Measurement-By Pressurized different pressure manometer Experimental Manual	olno

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