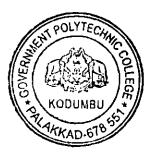
Office of the Principal Government Polytechnic College, Palakkad 678 551.

Dated: 03/08/2023

Tel: 0491-2572640; e-mail: info@gptcpalakkad.ac.in.

#### **SHORT TENDER NOTICE**

Sealed tenders are invited for the Purchase of Equipments / Apparatus for Government Polytechnic College, Palakkad. The envelopes containing the tender should bear the superscription 02/23-24; Purchase **Equipments** of **Apparatus** Transportation Engineering Lab" and should be addressed to the Principal, Government Polytechnic College, Palakkad - 678551. Estimated Cost of Article is 332948/- The last date for receipt of tenders will be 22/04/2023 at 01:00 PM. Late tenders will not be accepted. The tenders will be opened at 03:00 PM on 23/04/2023 in the presence of such tenderers or their authorized representatives present at that time. Intending tenderers may send an application to The Principal, Government Polytechnic College, Palakkad - 678 551, Phone 0491-2572640 to obtain the requisite tender forms on which tenders should be submitted. Application for the tender form should be accompanied by a cash remittance of ₹784/- (Rupees Seven Hundred and Eighty Four Only) (700 + GST 84) (postal charges ₹50/- extra), which is the price fixed for a single copy of form and which is not refundable under any circumstances. The tender forms are not transferable. Sale of tender forms will be closed at 11:00 AM on 21/09/2023. Cheques, postage stamps, etc., will not be accepted towards the cost of forms, nor will the forms be sent per V.P.P. Duplicate tender forms, if required, will be issued at Rs. 439/- per copy (postal charges ₹50/- extra). A preliminary agreement prepared in Kerala Stamp paper worth Rs. 220/- is to be attached along with the tender forms. EMD in the form of DD drawn from a Nationalised Bank for Rs. 3329/- is to be furnished in favour of Principal, Government Polytechnic College, Palakkad, (payable at SBI Civil Station Branch, Palakkad).



Principal
Principal
Government Polytechnic College
Palakkad - 678 551

**Approval Valid** 

Digitally Approved By Seema KN Date: 03:08.2023 Reason: Approved

Office of the Principal Government Polytechnic College, Palakkad 678 551.

Dated: 03/08/2023

Tel: 0491-2572640; e-mail: info@gptcpalakkad.ac.in.

#### SHORT TENDER NOTICE

Sealed tenders are invited for the Purchase of Equipments / Apparatus for Government Polytechnic College, Palakkad. The envelopes containing the tender should bear the superscription 02/23-24: Purchase of Equipments 1 Apparatus Transportation Engineering Lab" and should be addressed to the Principal, Government Polytechnic College, Palakkad - 678551. Estimated Cost of Article is 332948/- The last date for receipt of tenders will be 22/04/2023 at 01:00 PM. Late tenders will not be accepted. The tenders will be opened at 03:00 PM on 23/04/2023 in the presence of such tenderers or their authorized representatives present at that time. Intending tenderers may send an application to The Principal, Government Polytechnic College, Palakkad - 678 551, Phone 0491-2572640 to obtain the requisite tender forms on which tenders should be submitted. Application for the tender form should be accompanied by a cash remittance of ₹7841- (Rupees Seven Hundred and Eighty Four Only) (700 + GST 84) (postal charges ₹50/- extra), which is the price fixed for a single copy of form and which is not refundable under any circumstances. The tender forms are not transferable. Sale of tender forms will be closed at 11:00 AM on 21/09/2023. Cheques, postage stamps, etc., will not be accepted towards the cost of forms, nor will the forms be sent per V.P.P. Duplicate tender forms, if required, will be issued at Rs. 439/- per copy (postal charges ₹50/- extra). A preliminary agreement prepared in Kerala Stamp paper worth Rs. 220/- is to be attached along with the tender forms. EMD in the form of DD drawn from a Nationalised Bank for Rs. 3329/- is to be furnished in favour of Principal, Government Polytechnic College, Palakkad, (payable at SBI Civil Station Branch, Palakkad).



Principal
Principal
Government Polytechnic College
Palakkad - 678 551

#### **Approval Valid**

Digitally Approved By Seema KN Date: 03:08.2023

Reason: Approved

ഭരണഭാഷ - മാതൃഭാഷ |

സ്രർക്കാർ പോളിടെക്ലിക് കോളേജ് പാലക്കാട്

നമ്പർ: സി/2107/23/ജി.പി.സി.- പി.എൽ.കെ.ഡി.

തീയതി: 03/08/2023

## <u>ലഘ ദർഘാസ് പരസ്യം</u>

പാലക്കാട് സർക്കാർ പോളിടെക്സിക് കോളേജിലെ സിവിൽ എഞ്ചിനീയറിംഗ് വിഭാഗത്തിനു കിഴിലുള്ള ട്രാൻസ്പൊർട്ടെഷൻ എഞ്ചിനീയറിംഗ് ലാബിലേക്ക് എകപ്മെന്ട്സ/ ആപ്പാരറ്റസ് എന്നിവ വിതരണം ചെയ്യവാൻ താല്പര്യമുള്ള കമ്പനികളിൽ നിന്നും സമർപ്പിക്കുന്ന ടെൻ ഡറ്റുകൾ ടെൻ ഡറ്റുകൾ കവറ്റകളിൽ ക്ഷണിക്കുന്നു. കവറിനു മുദ്രവെച്ച എകപ്മെന്റ്സ്എ/അപ്പാരറ്റസ് വിതരണം ചെയ്യന്നതിനുള്ള ടെണ്ട $\hat{0}$ " എന്ന് പ്രത്യേകം രേഖപ്പെടുത്തേണ്ടതാണ്. അട**ങ്ക\hat{0}** ഇക : 332948/- ടെൻഡർ ഫോറം ₹784/- രൂപയ്ക് (700 + 84 ജി. എസ്. ടി.) (എഴന്നുറ്റി എൺപത്തി നാല് രൂപ) ഓഫീസിൽ (കൊടുമ്പ് പോസ്റ്റ്, പാലക്കാട് - 678551, ഫോൺ: 0491-2572640) നിന്നും പ്രവർത്തി ദിവസങ്ങളിൽ ലഭിക്കുന്നതാണ്. ഡൃപ്ലിക്കേറ്റ് ടെൻഡർ ഫോം ആവശ്യമുള്ളവർ ₹439/- രൂപ അധികമായി ഒടുക്കേണ്ടതാണ്. തപാലിൽ ടെൻ് ഡർ ഫോമുകൾ ആവശ്യമുള്ളവർ ₹50/-ആപ തപാൽ ചാർള്ളകൾ കൂടി ഉൾപ്പെട്ടത്തി മണി ഓർഡറായി അയക്കേണ്ടതാണ്. ടെണ്ടർ ഫോമിൻറെ വിൽപ്പന 21/09/2023-നു രാവിലെ 11:00 മണിക്ക് അവസാനിക്കുന്നതാണ്. പുരിപ്പിച്ച ടെൻ ഡറുകൾ 22/09/2023-നു ഉച്ചക്ക് 01:00 മണിക്ക് മുമ്പായി ഓഫീസിൽ സമർപ്പിക്കേണ്ടതാണ്. നിശ്ചിത സമയത്തിനകം ലഭിക്കുന്ന ടെൻഡറുകൾ 23/09/2023-നു 03:00 മണിക്ക് അന്നേരം ഹാജരുള്ള പ്രതിനിധികളുടെ മുമ്പാകെ തുറന്നു പരിശോധിക്കുന്നതാണ്. വൈകി കിട്ടുന്ന ടെന്റിഡറുകൾ സ്വീകരിക്കുന്നതല്ലു. ടെന്റിഡർ ഫോമുകൾ കൈമാറാവുന്നതല്ല. ടെൻിഡർ ഫോറത്തോടൊപ്പം ₹220/- രൂപയുടെ കേരള മുദ്രപത്രത്തിൽ തയ്യാറാക്കിയ എഗ്രിമെന്റം, ₹3329/- രൂപക്കുള്ള (മുവയിരത്തി മുന്നൂറ്റി ഇരുപത്തി ഒൻപത് രൂപ) നിരതദ്രവ്യവും (SBI പാലക്കാട് സിവിൽി സ്റ്റേഷൻ ശാഖയിൽ മാറത്തക്ക വിധം DD മുഖേന) അനുബന്ധിക്കേണ്ടതാണ്.

പ്രൻസപ്പൽ Principal Government Polytechnic College P@Jakkad - 678 551

Approval Valid

Digitally Approved By Seema KN

Date: 03:08.2023



ഭരണഭാഷ – മാത്രഭാഷ

സർക്കാർ പോളിടെക്ലിക് കോളേജ്

പാലക്കാട്

നമ്പർ: സി/2107/23/ജി.പി.സി.- പി.എൽ.കെ.ഡി.

തീയതി: 03/08/2023

### ലഘ ദ0ഘാസ് പരസ്യം

പാലക്കാട് സ(റിക്കാ() പോളിടെക്സിക് കോളേജിലെ സിവിൽ എഞ്ചിനീയറിംഗ് വിഭാഗത്തിനു കിഴിലുള്ള ട്രാൻസ്പൊർട്ടെഷൻ എഞ്ചിനീയറിംഗ് ലാബിലേക്ക് എകപ്മെന്ട്സ് ആപ്പാരറ്റസ് എന്നിവ വിതരണം ചെയ്യവാൻ താല്പര്യമുള്ള കമ്പനികളിന്റി നിന്നും കവറ്റകളിൽ ടെൻ ഡറ്റുകൾ ടെൻഡറ്റകൾ സമർപ്പിക്കുന്ന മുദ്രവെച്ച ക്ഷണിക്കുന്നു. കവറിനു എകപ്മെന്റ്സ്എ/അപ്പാരറ്റസ് വിതരണം ചെയ്യുന്നതിനുള്ള ടെണ്ടർ" എന്ന് പ്രത്യേകം രേഖപ്പെടുത്തേണ്ടതാണ്. അടങ്കൾ ഉക : 332948/- ടെൻഡർ ഫോറം ₹784/- രൂപയ്ക്ക് (700 + 84 ജി. എസ്. ടി.) (എഴന്നറ്റി എൺപത്തി നാല് രൂപ) ഓഫീസിൽ (കൊട്ടുമ്പ് പോസ്റ്റ്, പാലക്കാട് - 678551, ഫോൺ: 0491-2572640) നിന്നും പ്രവർത്തി ദിവസങ്ങളിൽ ലഭിക്കുന്നതാണ്. ഡൃപ്പിക്കേറ്റ് ടെൻഡർ ഫോം ആവശ്യമുള്ളവർ ₹439/- രൂപ അധികമായി ഒടുക്കേണ്ടതാണ്. തപാലിൽ ടെൻഡർ ഫോമുകൾ ആവശ്യമുള്ളവർ ₹50/-രൂപ തപാൽ ചാർള്ളകൾ കൂടി ഉൾപ്പെട്ടത്തി മണി ഓർഡറായി അയക്കേണ്ടതാണ്. ടെണ്ടർ ഫോമിൻറെ വിൽപ്പന 21/09/2023-നു രാവിലെ 11:00 മണിക്ക് അവസാനിക്കുന്നതാണ്. പുരിപ്പിച്ച ടെൻ ഡറുകൾ 22/09/2023-നു ഉച്ചക്ക് 01:00 മണിക്ക് മുമ്പായി ഓഫീസിൽ സമർപ്പുകേണ്ടതാണ്. നിശ്ചിത സമയത്തിനകം ലഭിക്കുന്ന ടെൻഡറുകൾ 23/09/2023-നു 03:00 മണിക്ക് അന്നേരം ഹാജരുള്ള പ്രതിനിധികളടെ മുമ്പാകെ ഇറന്നു പരിശോധിക്കുന്നതാണ്. വൈകി കിട്ടുന്ന ടെന്ദ്രീഡറുകൾ സ്വീകരിക്കുന്നതല്ല, ടെന്ദ്രിഡർ ഫോമുകൾ കൈമാറാവുന്നതല്ല. ടെൻിഡർ ഫോറത്തോടൊപ്പം ₹220/- രൂപയുടെ കേരള മുദ്രപത്രത്തിൽ തയ്യാറാക്കിയ എഗ്രിമെന്റം, ₹3329/- രൂപക്കുള്ള (മുവയിരത്തി മുന്നൂറ്റി ഇരുപത്തി ഒൻപത് രൂപ) നിരതദ്രവ്യവും (SBI പാലക്കാട് സിവിൻ സ്റ്റേഷൻ ശാഖയിൽ മാറത്തക്ക വിധം DD മുഖേന) അനുബന്ധിക്കേണ്ടതാണ്.

പ്രിൻ സിപ്പൽ

Government Polytechnic College (Palakkad - 678 551 Approval Valid

Digitally Approved By Seema KŅ1

Date: 03:08.2023



# Govt. Polytechnic College Palakkad

TENDER SCHEDULE

No C/2107/23/GPC-PLKD

dated 03.08.2023

Superscription

Tender No.

02/23-24

Last date and time receipt of tender

22/09/2023; 01:00 PM

Date and time of opening of tender

23/09/2023; 03:00 PM

Last date and time of sale of tender form

21/09/2023; 11:00 AM

Date upto which the rates are to be firm

31/03/2024

Original Rs.

₹784/- (700 + 12 % GST)

Cost of Tender form

Duplicate Rs.

₹439/- (392 + 12 % GST )

By Post Rs.

₹834/-

Address of the Officer from whom Tender Forms are to be obtained and to whom tenders are to be

The Principal, Government Polytechnic College, Kodumbu Post, Palakkad

678 551.

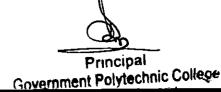
send.

#### C/2107/23/GPC-PLKD

# GOVT POLYTECHNIC COLLEGE, KODUMBU, PALAKKAD 678 551 <u>List of Item with specifications</u>

SI No.	Name and Specification of Item	Quantity
1	Thickness Guage With ISI certification mark as per IS: 2386 (Part 1) to check flakiness index of aggregates.	2 NOS
2	Length Guage With ISI certification mark as per IS: 2386 (Part 1) to check elongation index of aggregates.	2 Nos
3	Cylindrical Metal Measure of 3L capacity with tamping rod of 16mm diameter & 600mm long	2 Nos
4	Aggregate Impact Value Testing Machine In accordance with IS:2386 (Part 4), IS:9377. Consisting of a base and support columns to form a rigid frame work around the quick release trigger mechanism to ensure an effective free fall of the hammer during test. The free fall should be adjustable through 380 ± 5 mm. The hammer to be provided with a locking arrangement.	1 No
5	Los Angeles Abrasion Testing Machine Conforming to IS:10070. The machine should consist of a hollow cylinder, mounted on a sturdy frame on ball bearings. A detachable shelf which extends throughout the inside length of the drum to catch the abrasive charge and does not allow it to fall on the cover. The drum is to be rotated at a speed of 30-33 rpm by an electric motor through a heavy duty	1 No

Aggregate Crushing Value Testing Apparatus In accordance with IS:9376 Designed to be used in compression testing machines  Ring and Ball Apparatus In accordance with IS:1205  7 With magnetic stirer with heating facility and digital display of temperature, the heating should be controlled through the integral PIO. Suitable for operation on 220 V, 50 Hz, Single Phase, AC supply.  Semi automatic penotrometer with digital timer With in-built timer to control duration of penetration presse in factory to 5 seconds. The instrument is to be provided with levelling screws.  Flash Point (Open) and Fire Point Pensky-Martens Apparatus In accordance with IS: 1448 (Part I) 1209 The oil cup made of brass, fitted with a thermally insulated titing handle. The cup lid, with insulated handle, is fitted with two opposite wedge cams, which engage under pillars secured to the cup flange to facilitate easy removal of the lid by rotating the handle a few degrees to disengage the cams. An exposure device mounted over the lid. The manually operated stirre has a flexible shaft. The cup assembly positioned in a cast fron air bath, fitted with a chrome plated brass top. The air bath mounted on an upright.  Ducidity Testing Machine with digital display The machine consists of a carriage moving over a lead screw. An electric motor driven reduction gear to ensure smooth constant speed and continuous operation. The entre assembly mounted with water bath completely encased in metab bound hardwood. Equipped with an electric pump circulator and heater. The temperature controlled by digital temperature controller. Two rates of travel is. 5 cm/min and 1 cm/min. Suitable for operation on 220 V, 50 Hz, Single Phase, AC supply.  10 Metal scoop, capacity 2 Kg  Briquette mould, (length - 75mm, distance between clips - 30mm, width at mount of clips - 20mm, cross section at minimum width - 10mm x 10mm).  11 Elastic recovery mould for ductifity test  12 Metal Scoop, capacity 2 Kg  Briquette mould, (length - 75mm, 61mm, 50mm, 50mm, 45mm, 10mm, 50mm, 35mm, 2		reduction gear. To be supplied complete with a tray for collection of the material	
Designed to be used in compression testing machines  Fing and Ball Apparatus In accordance with IS 1205  With magnetic stirre with heating facility and digital display of temperature, the heating should be controlled through the integral PIO. Suitable for operation on 220 V, 50 Hz, Single Phase, AC supply.  Semi automatic penotrometer with digital timer  With in-built timer to control duration of penetration prese in factory to 5 seconds. The instrument is to be provided with levelling screws.  Flash Point (Open) and Fire Point Pensky-Martens Apparatus In accordance with IS: 1448 (Part I) 1209  The oil cup made of brass, fide with a thermally insulated fitting handle. The cup lid, with insulated handle, is fitted with two opposite wedge carns, which engage under pillars secured to the cup flange to facilitate easy removal of the lid by rotating the handle a few degrees to disengage the cams. An exposure device mounted over the lid. The manually operated stirrer has a flexible shaft. The cup assembly positioned in a cast fron air bath, litted with a chrome plated brass top. The air bath mounted on an upright.  Ductility Testing Machine with digital display  The machine consists of a carriage moving over a lead screw. An electric motor driven reduction gear to ensure smooth constant speed and continuous operation. The entire assembly mounted with water bath completely encased in metal bound hardwood. Equipped with an electric pump circulator and heater. The temperature controller, Two rates of travel i.e. 5 cm/min and 1 cm/min.  Suitable for operation on 220 V, 50 Hz, Single Phase, AC supply.  Metal scoop, capacity 2 Kg  Briquette mould, (length - 75mm, distance between clips - 30mm, width at mouth of clips - 20mm, cross section at minimum width - 10mm x 10mm).  Wetal scoop, capacity 2 Kg  Briquette mould, (length - 75mm, distance between clips - 30mm, width at mouth of clips - 20mm, cross section at minimum width - 10mm x 10mm).  Spantal 8 Hong SS Blade  2 N  Water Bath Digital 18x12x7* with stirrer  1 N  STest		<u></u>	
Designed to be used in compression testing machines  Ring and Ball Apparatus In accordance with IS 1205  With magnetic stirrer with heating facility and digital display of temperature, the heating should be controlled through the integral PIO. Suitable for operation on 220 V, 50 Hz, Single Phase, AC supply.  Semi automatic penotrometer with digital timer  With in-built timer to control duration of penetration preset in factory to 5 seconds. The instrument is to be provided with levelling screws.  Flash Point (Open) and Fire Point Penisky-Martens Apparatus in accordance with IS: 1448 (Part I) 1209  The oil cup made of brass, fitted with a thermally insulated lifting handle. The cup lid, with insulated handle, is fitted with two opposite wedge carns, which engage under piliars secured to the cup flange to facilitate easy removal of the lid by rotating the handle a few degrees to disengage the cams. An exposure device mounted over the lid. The manually operated stirrer has a flexible shaft. The cup assembly positioned in a cast iron air bath, fitted with a chrome plated brass top. The air bath mounted on an upright.  Ductility Testing Machine with digital display  The machine consists of a carriage moving over a lead screw. An electric motor driven reduction gear to ensure smooth constant speed and continuous operation. The entire assembly mounted with water bath completely encased in metal bound hardwood. Equipped with an electric pump circulator and heater. The temperature controlled by digital temperature controller. Two rates of travel i.e. 5 cm/min and 1 cm/min. Suitable for operation on 220 V, 50 Hz, Single Phase, AC supply.  10 Metal scoop, capacity 1 Kg  Briquette mould, (length - 75mm, distance between clps - 30mm, width at mouth of clips - 20mm, cross section at minimum width - 10mm x 10mm).  11 Metal scoop, capacity 2 Kg  Briquette mould, (length - 75mm, distance between clps - 30mm, width at mouth of clips - 20mm, cross section at minimum width - 10mm x 10mm).  12 Material Schma, 25mm, 75mm, 31.5mm, 24	6	1	1 No
With magnetic stirrer with heating facility and digital display of temperature, the heating should be controlled through the integral PIO. Suitable for operation on 220 V. 50 Hz, Single Phase, AC supply.  Semi automatic penotrometer with digital timer  With in-built timer to control duration of penetration preset in factory to 5 seconds. The instrument is to be provided with levelling screws.  Flash Point (Open) and Fire Point Pensky-Martens Apparatus in accordance with IS: 1448 (Part I) 1209  The oil cup made of brass, fitted with a thermally insulated lifting handle. The cup lid, with insulated handle, is fitted with two opposite wedge cams, which engage under pillars secured to the cup lange to facilitate easy removal of the lid by rotating the handle a few degrees to disengage the cams. An esosoure device mounted over the lid. The manually operated stirrer has a flexible shaft. The cup assembly positioned in a cast iron air bath, fitted with a chrome plated brass top. The air bath mounted on an upright.  Ductility Testing Machine with digital display  The machine consists of a carriage moving over a lead screw. An electric motor driven reduction gear to ensure smooth constant speed and continuous operation. The entire assembly mounted with water bath completely encased in metal bound hardwood. Equipped with an electric pump circulator and heater. The temperature controller. Two rates of travel i.e. 5 cm/him and 1 cm/min. Suitable for operation on 220 V, 50 Hz, Single Phase, AC supply.  Metal scoop, capacity 1 kg  Metal scoop, capacity 2 kg  Briquette mould, (length - 75mm, distance between clips - 30mm, width at mouth of clips - 20mm, cross section at minimum width - 10mm x 10mm).  Material Scoop, capacity 2 kg  Briquette mould, (length - 75mm, distance between clips - 30mm, width at mouth of clips - 20mm, cross section at minimum width - 10mm x 10mm).  Brigatette mould, flength - 75mm, distance between clips - 30mm, width at mouth of clips - 20mm, minimum, minimum width - 10mm x 10mm, 10mm, 90mm, 80mm, 75m		11	,
With magnetic stirrer with heating facility and digital display of temperature, the heating should be controlled through the integral PIO. Suitable for operation on 220 V, 50 Hz, Single Phase, AC supply.  Semi automatic penotrometer with digital timer  With in-built timer to control duration of penetration preset in factory to 5 seconds. The instrument is to be provided with levelling screws.  Flash Point (Open) and Fire Point Pensky-Martens Apparatus in accordance with 15: 1448 (Part I) 1209 The oil cup made of brass, fitted with a thermally insulated lifting handle. The cup lid, with insulated handle, is fitted with two opposite wedge cams, which engage under pillars secured to the cup flange to facilitate easy removal of the lid by rotating the handle a few degrees to disengage the cams. An exposure device mounted over the lid. The manually operated stirrer has a flexible shaft. The cup assembly positioned in a cast iron air barth, fitted with a chrome plated brass top. The air bath mounted on an upright.  Ductility Testing Machine with digital display The machine consists of a carriage moving over a lead screw. An electric motor driven reduction gear to ensure smooth constant speed and continuous operation. The entire assembly mounted with water bath completely encased in metal bound hardwood. Equipped with an electric pump circulator and heater. The temperature controlled by digital temperature controller. Two rates of travel i.e. 5 cm/min and 1 cm/min. Suitable for operation on 220 V, 50 Hz, Single Phase, AC supply.  Metal scoop, capacity 1 Kg  Metal scoop, capacity 2 Kg  Metal scoop, capacity 2 Kg  Metal scoop, capacity 2 Kg  Provided the service of t		Ring and Ball Apparatus	
the heating should be controlled through the integral PIO. Suitable for operation on 220 V, 50 Hz, Single Phase, AC supply.  8 With in-built timer to control duration of penetration preset in factory to 5 seconds. The instrument is to be provided with levelling screws.  Flash Point (Open) and Fire Point Pensity-Martens Apparatus In accordance with IS: 1448 (Part I) 1209 The oil cup made of brass, fitted with a thermally insulated lifting handle. The cup lid, with insulated handle, is fitted with two opposite wedge cams, which engage under pillars secured to the cup flange to facilitate easy removal of the lid by rotating the handle a few degrees to disengage the cams. An exposure device mounted over the lid. The manually operated stirrer has a flexible shaft. The cup assembly positioned in a cast iron air bath, littled with a chrome plated brass top. The air bath mounted on an upright.  Ductility Testing Machine with digital display The machine consists of a carriage moving over a lead screw. An electric motor driven reduction gear to ensure smooth constant speed and continuous operation. The entire assembly mounted with water bath completely encased in metal bound hardwood. Equipped with an electric pump circulator and heater. The temperature controlled by digital temperature controller. Two rates of travel l.e. 5 cm/min and 1 cm/min. Suitable for operation on 220 V, 50 Hz, Single Phase, AC supply.  11 Metal scoop, capacity 1 Kg  Metal scoop, capacity 2 Kg  Shatula 6* Long SS Blade  2 Ni  Briquette mould, (length - 75mm, distance between clips - 30mm, width at mouth of clips - 20mm, cross section at minimum width - 10mm x 10mm), mount of clips - 20mm, cross section at minimum width - 10mm x 10mm), mount of clips - 20mm, cross section at minimum width - 10mm x 10mm, 10m		In accordance with IS 1205	
Operation on 220 V, 50 Hz, Single Phase, AC supply.  Semi automatic penotrometer with digital timer  With in-built timer to control duration of penetration preset in factory to 5 seconds. The instrument is to be provided with levelling screws.  Flash Point (Open) and Fire Point Pensky-Martens Apparatus in accordance with 1S: 1448 (Part i) 1209  The oil cup made of brass, fitted with a thermally insulated litting handle. The cup lid, with insulated handle, is fitted with two opposite wedge cams, which engage under pillars secured to the cup flange to facilitate easy removal of the lid by rotating the handle a few degrees to disengage the cams. An exposure device mounted over the lid. The manually operated stirrer has a flexible shaft. The cup assembly positioned in a cast iron air bath, fitted with a chrome plated brass top. The air bath mounted on an upright.  Duttility Testing Machine with digital display  The machine consists of a carriage moving over a lead screw. An electric motor driven reduction gear to ensure smooth constant speed and continuous operation. The entire assembly mounted with water bath completely encased in metal bound hardwood. Equipped with an electric pump circulator and heater. The temperature controlled by digital temperature controller. Two rates of travel i.e. 5 cm/min and 1 cm/min. Suitable for operation on 220 V, 50 Hz, Single Phase, AC supply.  11 Metal scoop, capacity 1 kg 2 N.  12 Metal scoop, capacity 2 kg 2 N.  13 Briquette mould, (length - 75mm, distance between clips - 30mm, width at mouth of clips - 20mm, cross section at minimum width - 10mm x 10mm), Pomm, 25 Mm, 25 M	7	With magnetic stirrer with heating facility and digital display of temperature,	1 No
Semi automatic penotrometer with digital timer  With in-built timer to control duration of penetration preset in factory to 5 seconds. The instrument is to be provided with levelling screws.  Flash Point (Open) and Fire Point Pensky-Martens Apparatus In accordance with IS: 1448 (Part I) 1209  The oil cup made of brass, fitted with a thermally insulated lifting handle. The cup lid, with insulated handle, is fitted with two opposite wedge cams, which engage under pillars secured to the cup flange to facilitate easy removal of the lid by rotating the handle a few degrees to disengage the cams. An exposure device mounted over the lid. The manually operated stirrer has a flexible shaft. The cup assembly positioned in a cast iron air bath, fitted with a chrome plated brass top. The air bath mounted on an upright.  Ductility Testing Machine with digital display  The machine consists of a carriage moving over a lead screw. An electric motor driven reduction gear to ensure smooth constant speed and continuous operation. The entire assembly mounted with water bath completely encased in metal bound hardwood. Equipped with an electric pump circulator and heater. The temperature controlled by digital temperature controller. Two rates of travel i.e. 5 cm/min and 1 cm/min. Suitable for operation on 220 V, 50 Hz, Single Phase, AC supply.  11 Metal scoop, capacity 1 Kg  12 Metal scoop, capacity 2 Kg  13 Briquette mould, (length - 75mm, distance between clips - 30mm, width at mouth of clips - 20mm, cross section at minimum width - 10mm x 10mm), and the continuous of the			
With in-built timer to control duration of penetration preset in factory to 5 seconds. The instrument is to be provided with levelling screws.  Flash Point (Open) and Fire Point Pensky-Mattens Apparatus in accordance with IS: 1448 (Part I) 1209 The oil cup made of brass, fitted with a thermally insulated lifting handle. The cup lid, with insulated handle, is fitted with two opposite wedge carns, which engage under pillars secured to the cup flange to facilitate easy removal of the lid by rotating the handle a few degrees to disengage the cams. An exposure device mounted over the lid. The manually operated stirrer has a flexible shaft. The cup assembly positioned in a cast iron air bath, fitted with a chrome plated brass top. The air bath mounted on an upright.  Ductility Testing Machine with digital display The machine consists of a carriage moving over a lead screw. An electric motor driven reduction gear to ensure smooth constant speed and continuous operation. The entire assembly mounted with water bath completely encased in metal bound hardwood. Equipped with an electric pump circulator and heater. The temperature controlled by digital temperature controller. Two rates of travel it. e. 5 crumfinia and 1 cm/min. Suitable for operation on 220 V, 50 Hz, Single Phase, AC supply.  11 Metal scoop, capacity 1 Kg 2 Netal scoop, capacity 2 Kg 3 Briquette mould, (length - 75mm, distance between clips - 30mm, width at mouth of clips - 20mm, cross section at minimum width - 10mm x 10mm), and the scoop of the stream of the scoop of the	<u> </u>	operation on 220 V, 50 Hz, Single Phase, AC supply.	· ·
Flash Point (Open) and Fire Point Pensky-Martens Apparatus In accordance with IS: 1448 (Part I) 1209 The oil cup made of brass, fitted with a thermally insulated lifting handle. The cup lid, with insulated handle, is fitted with two opposite wedge cams, which engage under pillars secured to the cup flange to facilitate easy removal of the lid by rotating the handle a few degrees to disenagage the cams. An exposure device mounted over the lid. The manually operated stirrer has a flexible shaft. The cup assembly positioned in a cast iron air bath, fitted with a chrome plated brass top. The air bath mounted on an upright.  Ductifity Testing Machine with digital display The machine consists of a carriage moving over a lead screw. An electric motor driven reduction gear to ensure smooth constant speed and continuous operation. The entire assembly mounted with water bath completely encased in metal bound hardwood. Equipped with an electric pump circulator and heater. The temperature controlled by digital temperature controller. Two rates of travel i.e. 5 cm/min and 1 cm/min.  Suitable for operation on 220 V, 50 Hz, Single Phase, AC supply.  Metal scoop , capacity 1 Kg  Metal scoop , capacity 2 Kg  Briquette mould, (length - 75mm, distance between clips - 30mm, width at mouth of clips - 20mm, cross section at minimum width - 10mm x 10mm),  Heat and the controller of the controller o	1 _	1 '	
Flash Point (Open) and Fire Point Pensky-Mattens Apparatus In accordance with IS: 1448 (Part I) 1209 The oil cup made of brass, fitted with a wopoposite wedge cams, which engage under pillars secured to the cup flange to facilitate easy removal of the lid by rotating the handle a few degrees to disengage the cams. An exposure device mounted over the lid. The manually operated stirrer has a flexible shaft. The cup assembly positioned in a cast iron air bath, fitted with a chrome plated brass top. The air bath mounted on an upright.  Ductility Testing Machine with digital display The machine consists of a carriage moving over a lead screw. An electric motor driven reduction gear to ensure smooth constant speed and continuous operation. The entire assembly mounted with water bath completely encased in metal bound hardwood. Equipped with an electric pump circulator and heater. The temperature controlled by digital temperature controller. Two rates of travel i.e. 5 cm/min and 1 cm/min. Suitable for operation on 220 V, 50 Hz, Single Phase, AC supply.  11 Metal scoop, capacity 2 Kg 12 Metal scoop, capacity 2 Kg 13 Briquette mould, (length - 75mm, distance between clips - 30mm, width at mouth of clips - 20mm, cross section at minimum width - 10mm x 10mm),  14 Elastic recovery mould for ductility test 15 Spatula 6" Long SS Blade 2 Ni 16 Spatula 6" Long SS Blade 2 Ni 17 Water Bath Digital 18x12x7" with stirrer 18 Hot Clip Gripper Tong 3 Ni 19 SS Pari with Handle 2 Litre 10 Moisture Can Atuminum 50 mm dia and 50 mm high 1 ST est sieves coarse aggregate 30 cm dia with Gl frame - 125mm, 106mm, 100mm, 90mm, 80mm, 75mm, 70mm, 63mm, 60mm, 53mm, 50mm, 45mm, 40mm, 37.5mm, 22.4mm, 20mm, 19mm, 16mm, 14mm, 13.2mm, 12.5mm, 13.5mm, 21 mm, 5.6mm, 5mm, 6.7mm, 6.3 mm, 5.6mm, 5mm, 6.7mm, 6.3 mm, 5.6mm, 5mm, 6.7mm, 6.3 mm, 5.6mm, 5mm, 4.75mm, 40mm, 9.5mm, 6.3mm, 1.18mm	8		1 No
The oil cup made of brass, fitted with a thermally insulated litting handle. The cup lid, with insulated handle, is fitted with two opposite wedge cams, which engage under pillars secured to the cup flange to facilitate easy removal of the lid by rotating the handle a few degrees to disengage the cams. An exposure device mounted over the lid. The manually operated stirrer has a flexible shaft. The cup assembly positioned in a cast iron air bath, fitted with a chrome plated brass top. The air bath mounted on an upright.  Ductility Testing Machine with digital display The machine consists of a carriage moving over a lead screw. An electric motor driven reduction gear to ensure smooth constant speed and continuous operation. The entire assembly mounted with water bath completely encased in metal bound hardwood, Equipped with an electric pump circulator and heater. The temperature controlled by digital temperature controller. Two rates of travel i.e. 5 cm/min and 1 cm/min. Suitable for operation on 220 V, 50 Hz, Single Phase, AC supply.  11	Adopt 4		
The oil cup made of brass, fitted with a thermally insulated lifting handle. The cup lid, with insulated handle, is fitted with two opposite wedge cams, which engage under pillars secured to the cup flange to facilitate easy removal of the lid by rotating the handle a few degrees to disengage the cams. An exposure device mounted over the lid. The manually operated stirrer has a flexible shaft. The cup assembly positioned in a cast iron air bath, fitted with a chrome plated brass top. The air bath mounted on an upright.  Ductility Testing Machine with digital display  The machine consists of a carriage moving over a lead screw. An electric motor driven reduction gear to ensure smooth constant speed and continuous operation. The entire assembly mounted with water bath completely encased in metal bound hardwood, Equipped with an electric pump circulator and heater. The temperature controlled by digital temperature controller. Two rates of travel i.e. 5 cm/min and 1 cm/min. Suitable for operation on 220 V, 50 Hz, Single Phase, AC supply.  11 Metal scoop, capacity 1 Kg  12 Metal scoop, capacity 2 Kg  13 Briquette mould, (length - 75mm, distance between clips - 30mm, width at mouth of clips - 20mm, cross section at minimum width - 10mm x 10mm),  14 Elastic recovery mould for ductifity test  15 Spatula 6* Long SS Blade  2 N  16 Spatula 8* Long SS Blade  2 N  Water Bath Digital 18x12x7* with stirrer  18 Hot Clip Gripper Tong  3 N  19 SS Pari with Handle 2 Litre  4 N  Water Bath Digital 18x12x7* mm, form, form, 63mm, 60mm, 50mm, 75mm, 70mm, 63mm, 60mm, 53mm, 50mm, 20mm, 90mm, 80mm, 75mm, 70mm, 63mm, 60mm, 112mm, 100mm, 125mm, 125mm, 125mm, 125mm, 125mm, 125mm, 125mm, 135mm, 20mm, 15mm, 60mm, 130mm, 60mm, 53mm, 50mm, 60mm, 53mm, 50mm, 60mm, 53mm, 50mm, 40mm, 375mm, 23mm, 135mm,	J	ļ	
21 28mm, 26.5mm, 25mm, 22.4mm, 1 S 20mm, 19mm, 16mm, 14mm, 13.2mm, 12.5mm, 11.2mm, 10mm, 9.5mm, 8mm, 6.7mm, 6.3 mm, 5.6mm, 5mm, 4.75mm, 4mm, 3.35mm, 2.36mm, 1.18mm	7	· · ·	
21 28mm, 26.5mm, 25mm, 22.4mm, 1 S 20mm, 19mm, 16mm, 14mm, 13.2mm, 12.5mm, 11.2mm, 10mm, 9.5mm, 8mm, 6.7mm, 6.3 mm, 5.6mm, 5mm, 4.75mm, 4mm, 3.35mm, 2.36mm, 1.18mm		<b> </b>	
removal of the lid by rotating the handle a few degrees to disengage the cams. An exposure device mounted over the lid. The manually operated stirrer has a flexible shaft. The cup assembly positioned in a cast iron air bath, flitted with a chrome plated brass top. The air bath mounted on an upright.  Ductility Testing Machine with digital display The machine consists of a carriage moving over a lead screw. An electric motor driven reduction gear to ensure smooth constant speed and continuous operation. The entire assembly mounted with water bath completely encased in metal bound hardwood. Equipped with an electric pump circulator and heater. The temperature controlled by digital temperature controller. Two rates of travel i.e. 5 cm/min and 1 cm/min. Suitable for operation on 220 V, 50 Hz, Single Phase, AC supply.  Metal scoop , capacity 1 Kg  Metal scoop , capacity 2 Kg  Briquette mould, (length - 75mm, distance between clips - 30mm, width at mouth of clips - 20mm, cross section at minimum width - 10mm x 10mm),  Elastic recovery mould for ductility test  Spatula 6° Long SS Blade  Neture Bath Digital 18x12x7" with stirrer  Molecular Bath Digital 19x12x7" with stirrer  Molecular Bath Digman, 100mm, 90mm, 90mm, 80mm, 75mm, 70mm, 63mm, 60mm, 53mm, 50mm, 45mm, 40mm, 37.5mm, 31.5mm, 20mm, 45mm, 40mm, 37.5mm, 31.5mm, 20mm, 45mm, 40mm, 37.5mm, 31.5mm, 20mm, 63mm, 60mm, 53mm, 60mm, 63mm, 60mm, 53mm, 60mm, 63mm, 60	ų.	· · · · · · · · · · · · · · · · · · ·	
cams. An exposure device mounted over the lid. The manually operated stirrer has a flexible shaft. The cup assembly positioned in a cast iron air bath, fitted with a chrome plated brass top. The air bath mounted on an upright.  Ductility Testing Machine with digital display The machine consists of a carriage moving over a lead screw. An electric motor driven reduction gear to ensure smooth constant speed and continuous operation. The entire assembly mounted with water bath completely encased in metal bound hardwood. Equipped with an electric pump circulator and heater. The temperature controlled by digital temperature controller. Two rates of travel i.e. 5 cm/min and 1 cm/min. Suitable for operation on 220 V, 50 Hz, Single Phase, AC supply.  Metal scoop , capacity 1 Kg  Metal scoop , capacity 2 Kg  Briquette mould, (length - 75mm, distance between clips - 30mm, width at mouth of clips - 20mm, cross section at minimum width - 10mm x 10mm),  Elastic recovery mould for ductility test  Spatula 6" Long SS Blade  Netal Scoop SS Blade  Netal Bath Digital 18x12x7" with stirrer  Mot Clip Gripper Tong  SS Pari with Handle 2 Litre  Moisture Can Aluminum 50 mm dia and 50 mm high  IS Test sieves coarse aggregate 30 cm dia with GI frame - 125mm, 106mm, 100mm, 90mm, 80mm, 75mm, 70mm, 63mm, 60mm, 53mm, 50mm, 45mm, 40mm, 37.5mm, 11.2mm, 10mm, 9.5mm, 10mm, 14mm, 13.2mm, 15.5mm, 11.2mm, 10mm, 9.5mm, 8mm, 6.7mm, 6.3 mm, 5.6mm, 5mm, 4.75mm, 10mm, 9.5mm, 8mm, 6.7mm, 6.3 mm, 5.6mm, 5mm, 4.75mm, 10mm, 9.5mm, 8mm, 6.7mm, 6.3	9		1 No
stirrer has a flexible shaft. The cup assembly positioned in a cast iron air bath, fitted with a chrome plated brass top. The air bath mounted on an upright.  Ductility Testing Machine with digital display The machine consists of a carriage moving over a lead screw. An electric motor driven reduction gear to ensure smooth constant speed and continuous operation. The entire assembly mounted with water bath completely encased in metal bound hardwood. Equipped with an electric pump circulator and heater. The temperature controlled by digital temperature controller. Two rates of travel i.e. 5 cm/min and 1 cm/min. Suitable for operation on 220 V, 50 Hz, Single Phase, AC supply.  Metal scoop , capacity 1 Kg  Metal scoop , capacity 2 Kg  Briquette mould, (length - 75mm, distance between clips - 30mm, width at mouth of clips - 20mm, cross section at minimum width - 10mm x 10mm),  Elastic recovery mould for ductility test  Spatula 6" Long SS Blade  Net Clip Gripper Tong  SS Patula 8" Long SS Blade  Net Clip Gripper Tong  Water Bath Digital 18x12x7" with stirrer  Not Clip Gripper Tong  SS Pari with Handle 2 Litre  Moisture Can Aluminum 50 mm dia and 50 mm high  IS Test sieves coarse aggregate 30 cm dia with GI frame - 125mm, 106mm, 100mm, 90mm, 80mm, 75mm, 70mm, 63mm, 60mm, 53mm, 50mm, 45mm, 45mm, 40mm, 37.5mm, 22.4mm, 20mm, 19.5mm, 11.2mm, 10mm, 13.2mm, 15.5mm, 11.2mm, 10mm, 15.5mm, 11.2mm, 10mm, 9.5mm, 8mm, 6.7mm, 6.3 mm, 5.6mm, 5mm, 4.75mm, 11.2mm, 10mm, 9.5mm, 8mm, 6.7mm, 6.3 mm, 5.6mm, 5mm, 4.75mm, 11.2mm, 10mm, 9.5mm, 8mm, 6.7mm, 6.3 mm, 5.6mm, 5mm, 4.75mm, 11.2mm, 10mm, 9.5mm, 23.6mm, 1.18mm			
bath, fitted with a chrome plated brass top. The air bath mounted on an upright.  Ductility Testing Machine with digital display The machine consists of a carriage moving over a lead screw. An electric motor driven reduction gear to ensure smooth constant speed and continuous operation. The entire assembly mounted with water bath completely encased in metal bound hardwood. Equipped with an electric pump circulator and heater. The temperature controlled by digital temperature controller. Two rates of travel i.e. 5 cm/min and 1 cm/min. Suitable for operation on 220 V, 50 Hz, Single Phase, AC supply.  11			
Ductility Testing Machine with digital display  The machine consists of a carriage moving over a lead screw. An electric motor driven reduction gear to ensure smooth constant speed and continuous operation. The entire assembly mounted with water bath completely encased in metal bound hardwood. Equipped with an electric pump circulator and heater. The temperature controlled by digital temperature controller. Two rates of travel i.e. 5 cm/min and 1 cm/min. Suitable for operation on 220 V, 50 Hz, Single Phase, AC supply.  11		1	
The machine consists of a carriage moving over a lead screw. An electric motor driven reduction gear to ensure smooth constant speed and continuous operation. The entire assembly mounted with water bath completely encased in metal bound hardwood. Equipped with an electric pump circulator and heater. The temperature controlled by digital temperature controller. Two rates of travel i.e. 5 cm/min and 1 cm/min. Suitable for operation on 220 V, 50 Hz, Single Phase, AC supply.  11		upright.	
motor driven reduction gear to ensure smooth constant speed and continuous operation. The entire assembly mounted with water bath completely encased in metal bound hardwood. Equipped with an electric pump circulator and heater. The temperature controlled by digital temperature controller. Two rates of travel i.e. 5 cm/min and 1 cm/min. Suitable for operation on 220 V, 50 Hz, Single Phase, AC supply.  11		Ductility Testing Machine with digital display	
continuous operation. The entire assembly mounted with water bath completely encased in metal bound hardwood. Equipped with an electric pump circulator and heater. The temperature controlled by digital temperature controller. Two rates of travel i.e. 5 cm/min and 1 cm/min. Suitable for operation on 220 V, 50 Hz, Single Phase, AC supply.  11		The machine consists of a carriage moving over a lead screw. An electric	
completely encased in metal bound hardwood. Equipped with an electric pump circulator and heater. The temperature controlled by digital temperature controller. Two rates of travel i.e. 5 cm/min and 1 cm/min. Suitable for operation on 220 V, 50 Hz, Single Phase, AC supply.  11		motor driven reduction gear to ensure smooth constant speed and	j
completely encased in metal bound hardwood. Equipped with an electric pump circulator and heater. The temperature controlled by digital temperature controller. Two rates of travel i.e. 5 cm/min and 1 cm/min. Suitable for operation on 220 V, 50 Hz, Single Phase, AC supply.  11	10	continuous operation. The entire assembly mounted with water bath	1 No
temperature controller. Two rates of travel i.e. 5 cm/min and 1 cm/min. Suitable for operation on 220 V, 50 Hz, Single Phase, AC supply.  11		1 1	1140
Suitable for operation on 220 V, 50 Hz, Single Phase, AC supply.		, ,	
11         Metal scoop , capacity 1 Kg         2 No           12         Metal scoop , capacity 2 Kg         2 No           13         Briquette mould, (length - 75mm, distance between clips - 30mm, width at mouth of clips - 20mm, cross section at minimum width - 10mm x 10mm),         2 No           14         Elastic recovery mould for ductility test         2 No           15         Spatula 6" Long SS Blade         2 No           16         Spatula 8" Long SS Blade         2 No           17         Water Bath Digital 18x12x7" with stirrer         1 No           18         Hot Clip Gripper Tong         3 No           19         SS Pari with Handle 2 Litre         4 No           20         Moisture Can Aluminum 50 mm dia and 50 mm high         5 No           IS Test sieves coarse aggregate 30 cm dia with GI frame - 125mm, 106mm, 100mm, 90mm, 80mm, 75mm, 70mm, 63mm, 50mm, 45mm, 22.4mm, 22.4mm, 22mm, 12.5mm, 11.2mm, 10mm, 13.2mm, 12.5mm, 11.2mm, 10mm, 9.5mm, 8mm, 6.7mm, 6.3 mm, 5.6mm, 5mm, 4.75mm, 4.75			
12	<u> </u>		
Briquette mould, (length - 75mm, distance between clips - 30mm, width at mouth of clips - 20mm, cross section at minimum width - 10mm x 10mm),  14 Elastic recovery mould for ductility test  2 No. 15 Spatula 6" Long SS Blade  2 No. 16 Spatula 8" Long SS Blade  2 No. 17 Water Bath Digital 18x12x7" with stirrer  1 No. 18 Hot Clip Gripper Tong  3 No. 19 SS Pari with Handle 2 Litre  4 No. 19 Moisture Can Aluminum 50 mm dia and 50 mm high  IS Test sieves coarse aggregate 30 cm dia with GI frame - 125mm, 106mm, 100mm, 90mm, 80mm, 75mm, 70mm, 63mm, 60mm, 53mm, 50mm, 45mm, 40mm, 37.5mm, 31.5mm, 28mm, 26.5mm, 25.5mm, 22.4mm, 13.2mm, 12.5mm, 11.2mm, 10mm, 9.5mm, 8mm, 6.7mm, 6.3 mm, 5.6mm, 5mm, 4.75mm, 44mm, 3.35mm, 2.36mm, 1.18mm	ļ		2 Nos
13   mouth of clips - 20mm, cross section at minimum width - 10mm x 10mm),   2 No.     14   Elastic recovery mould for ductility test   2 No.     15   Spatula 6" Long SS Blade   2 No.     16   Spatula 8" Long SS Blade   2 No.     17   Water Bath Digital 18x12x7" with stirrer   1 No.     18   Hot Clip Gripper Tong   3 No.     19   SS Pan with Handle 2 Litre   4 No.     20   Moisture Can Aluminum 50 mm dia and 50 mm high   5 No.     18   IS Test sieves coarse aggregate 30 cm dia with GI frame - 125mm, 106mm, 100mm, 90mm, 80mm, 75mm, 70mm, 63mm, 60mm, 53mm, 50mm, 45mm, 40mm, 37.5mm, 31.5mm,   28mm, 26.5mm, 25mm, 22.4mm,   1 S.     21   22   23   24   25   25   25   25   25   25   25	12		2 Nos
14       Elastic recovery mould for ductility test       2 No         15       Spatula 6" Long SS Blade       2 No         16       Spatula 8" Long SS Blade       2 No         17       Water Bath Digital 18x12x7" with stirrer       1 No         18       Hot Clip Gripper Tong       3 No         19       SS Pari with Handle 2 Litre       4 No         20       Moisture Can Aluminum 50 mm dia and 50 mm high       5 No         IS Test sieves coarse aggregate 30 cm dia with GI frame -       125mm, 106mm, 100mm,         90mm, 80mm, 75mm, 70mm,       63mm, 60mm, 53mm, 50mm,         45mm, 40mm, 37.5mm, 31.5mm,       28mm, 26.5mm, 25.4mm,       1 S         21       28mm, 26.5mm, 25mm, 22.4mm,       1 S         20mm, 19mm, 16mm, 14mm,       13.2mm, 12.5mm, 11.2mm,       1 S         10mm, 9.5mm, 8mm, 6.7mm, 6.3       mm, 5.6mm, 5mm, 4.75mm,       4 No         22       Noistel Stanuarte h 1/100 Sea       2 Noistel Stanuarte h 1/100 Sea       2 Noistel Stanuarte h 1/100 Sea	13		2 Nos
15 Spatula 6" Long SS Blade 2 No. 16 Spatula 8" Long SS Blade 2 No. 17 Water Bath Digital 18x12x7" with stirrer 1 No. 18 Hot Clip Gripper Tong 3 No. 19 SS Pan with Handle 2 Litre 4 No. 20 Moisture Can Aluminum 50 mm dia and 50 mm high 5 No. 18 IS Test sieves coarse aggregate 30 cm dia with GI frame - 125mm, 106mm, 100mm, 90mm, 80mm, 75mm, 70mm, 63mm, 60mm, 53mm, 50mm, 45mm, 40mm, 37.5mm, 31.5mm, 28mm, 26.5mm, 25mm, 22.4mm, 20mm, 19mm, 16mm, 14mm, 13.2mm, 12.5mm, 11.2mm, 10mm, 9.5mm, 8mm, 6.7mm, 6.3 mm, 5.6mm, 5mm, 4.75mm, 4mm, 3.35mm, 2.36mm, 1.18mm	ļ		
16	14	Elastic recovery mould for ductility test	2 Nos
17 Water Bath Digital 18x12x7" with stirrer  1 N  18 Hot Clip Gripper Tong  3 No  19 SS Pan with Handle 2 Litre  4 No  20 Moisture Can Aluminum 50 mm dia and 50 mm high  IS Test sieves coarse aggregate 30 cm dia with GI frame -  125mm, 106mm, 100mm,  90mm, 80mm, 75mm, 70mm,  63mm, 60mm, 53mm, 50mm,  45mm, 40mm, 37.5mm, 31.5mm,  21 28mm, 26.5mm, 25mm, 22.4mm,  22 29mm, 19mm, 16mm, 14mm,  13.2mm, 12.5mm, 11.2mm,  10mm, 9.5mm, 8mm, 6.7mm, 6.3  mm, 5.6mm, 5mm, 4.75mm,  4mm, 3.35mm, 2.36mm, 1.18mm	15	Spatula 6" Long SS Blade	2 Nos
18	16	Spatula 8" Long SS Blade	2 Nos
19 SS Pan with Handle 2 Litre 4 No.  20 Moisture Can Aluminum 50 mm dia and 50 mm high 5 No.  IS Test sieves coarse aggregate 30 cm dia with GI frame -	17	Water Bath Digital 18x12x7" with stirrer	1 No
20 Moisture Can Aluminum 50 mm dia and 50 mm high 5 No IS Test sieves coarse aggregate 30 cm dia with GI frame - 125mm, 106mm, 100mm, 90mm, 80mm, 75mm, 70mm, 63mm, 60mm, 53mm, 50mm, 45mm, 40mm, 37.5mm, 31.5mm, 21 28mm, 26.5mm, 25mm, 22.4mm, 20mm, 19mm, 16mm, 14mm, 13.2mm, 12.5mm, 11.2mm, 10mm, 9.5mm, 8mm, 6.7mm, 6.3 mm, 5.6mm, 5mm, 4.75mm, 4mm, 3.35mm, 2.36mm, 1.18mm	18	Hot Clip Gripper Tong	3 Nos
IS Test sieves coarse aggregate 30 cm dia with GI frame - 125mm, 106mm, 100mm, 90mm, 80mm, 75mm, 70mm, 63mm, 60mm, 53mm, 50mm, 45mm, 40mm, 37.5mm, 31.5mm, 28mm, 26.5mm, 25mm, 22.4mm, 20mm, 19mm, 16mm, 14mm, 13.2mm, 12.5mm, 11.2mm, 10mm, 9.5mm, 8mm, 6.7mm, 6.3 mm, 5.6mm, 5mm, 4.75mm, 4mm, 3.35mm, 2.36mm, 1.18mm	19	SS Pan with Handle 2 Litre	4 Nos
125mm, 106mm, 100mm, 90mm, 80mm, 75mm, 70mm, 63mm, 60mm, 53mm, 50mm, 45mm, 40mm, 37.5mm, 31.5mm, 28mm, 26.5mm, 25mm, 22.4mm, 20mm, 19mm, 16mm, 14mm, 13.2mm, 12.5mm, 11.2mm, 10mm, 9.5mm, 8mm, 6.7mm, 6.3 mm, 5.6mm, 5mm, 4.75mm, 4mm, 3.35mm, 2.36mm, 1.18mm	20	Moisture Can Aluminum 50 mm dia and 50 mm high	5 Nos
90mm, 80mm, 75mm, 70mm, 63mm, 60mm, 53mm, 50mm, 45mm, 40mm, 37.5mm, 31.5mm, 28mm, 26.5mm, 25mm, 22.4mm, 20mm, 19mm, 16mm, 14mm, 13.2mm, 12.5mm, 11.2mm, 10mm, 9.5mm, 8mm, 6.7mm, 6.3 mm, 5.6mm, 5mm, 4.75mm, 4mm, 3.35mm, 2.36mm, 1.18mm		IS Test sieves coarse aggregate 30 cm dia with GI frame -	
63mm, 60mm, 53mm, 50mm, 45mm, 40mm, 37.5mm, 31.5mm, 28mm, 26.5mm, 25mm, 22.4mm, 20mm, 19mm, 16mm, 14mm, 13.2mm, 12.5mm, 11.2mm, 10mm, 9.5mm, 8mm, 6.7mm, 6.3 mm, 5.6mm, 5mm, 4.75mm, 4mm, 3.35mm, 2.36mm, 1.18mm			
45mm, 40mm, 37.5mm, 31.5mm, 28mm, 26.5mm, 25mm, 22.4mm, 20mm, 19mm, 16mm, 14mm, 13.2mm, 12.5mm, 11.2mm, 10mm, 9.5mm, 8mm, 6.7mm, 6.3 mm, 5.6mm, 5mm, 4.75mm, 4mm, 3.35mm, 2.36mm, 1.18mm			
21 28mm, 26.5mm, 25mm, 22.4mm, 20mm, 19mm, 16mm, 14mm, 13.2mm, 12.5mm, 11.2mm, 10mm, 9.5mm, 8mm, 6.7mm, 6.3 mm, 5.6mm, 5mm, 4.75mm, 4mm, 3.35mm, 2.36mm, 1.18mm			
20mm, 19mm, 16mm, 14mm, 13.2mm, 12.5mm, 11.2mm, 10mm, 9.5mm, 8mm, 6.7mm, 6.3 mm, 5.6mm, 5mm, 4.75mm, 4mm, 3.35mm, 2.36mm, 1.18mm	21		1 000
13.2mm, 12.5mm, 11.2mm, 10mm, 9.5mm, 8mm, 6.7mm, 6.3 mm, 5.6mm, 5mm, 4.75mm, 4mm, 3.35mm, 2.36mm, 1.18mm	41		1 Set
10mm, 9.5mm, 8mm, 6.7mm, 6.3 mm, 5.6mm, 5mm, 4.75mm, 4mm, 3.35mm, 2.36mm, 1.18mm			
mm, 5.6mm, 5mm, 4.75mm, 4mm, 3.35mm, 2.36mm, 1.18mm			
Digital Stanyatch 1/100 Con			
22 Digital Stopwatch 1/100 Sec 2 N 23 Digital Thermometer - 0 to 300 degree celcius 2 N 24 Electronic Weighing Balance - Digital 10Kg with 1gm precision 1 N 25 Electronic Weighing Balance - Digital 600gm with 0.01gm precision 1 N 26 Hot Plate 8" Dia MS Top Fitted with Energy Regulator 1 N			
Digital Thermometer - 0 to 300 degree celcius  2 N  Electronic Weighing Balance - Digital 10Kg with 1gm precision  Electronic Weighing Balance - Digital 600gm with 0.01gm precision  Hot Plate 8" Dia MS Top Fitted with Energy Regulator  1 N	22	Digital Stopwatch 1/100 Sec	2 Nos
CHV25 Electronic Weighing Balance - Digital 10Kg with 1gm precision 1 N Electronic Weighing Balance - Digital 600gm with 0.01gm precision 1 N Hot Plate 8" Dia MS Top Fitted with Energy Regulator 1 N	23	Digital Thermometer - 0 to 300 degree celcius	2 Nos
Electronic Weighing Balance - Digital 600gm with 0.01gm precision 1 N  Hot Plate 8" Dia MS Top Fitted with Energy Regulator 1 N	24		1 No
Hot Plate 8" Dia MS Top Fitted with Energy Regulator 1 N	SHITE		1 No
The late of Dia was top Filled with Energy Regulation 1 h	7		
511 / MT 1 C 3 O	XIII	The Flace of Dia was top Filled with Energy Regulator	T 140
m m		m l	
KODUMBU	COLIMBU	<i>1,2,4</i> ,7	



# Govt. Polytechnic College Palakkad

### TENDER SCHEDULE

No C/2107/23/GPC-PLKD

dated 03,08.2023

Superscription

Tender No.

02/23-24

Last date and time receipt of tender

22/09/2023; 01:00 PM

Date and time of opening of tender

23/09/2023; 03:00 PM

Last date and time of sale of tender form

21/09/2023; 11:00 AM

Date upto which the rates are to be firm

31/03/2024

Original Rs.

₹784/- (700 + 12 % GST)

Cost of Tender form

Duplicate Rs.

₹439/- (392 + 12 % GST )

By Post Rs.

₹834/-

Address of the Officer from whom Tender Forms

are to be obtained and to whom tenders are to be

send.

The Principal, Government Polytechnic College, Kodumbu Post, Palakkad

678 55**1**.

#### C/2107/23/GPC-PLKD

# GOVT POLYTECHNIC COLLEGE, KODUMBU, PALAKKAD 678 551 <u>List of Item with specifications</u>

SI No.	Name and Specification of Item	Quantity
1	Thickness Guage With ISI certification mark as per IS: 2386 (Part 1) to check flakiness index of aggregates.	2 NOS
2	Length Guage With ISI certification mark as per IS: 2386 (Part 1) to check elongation index of aggregates.	2 Nos
3	Cylindrical Metal Measure of 3L capacity with tamping rod of 16mm diameter & 600mm long	2 Nos
4	Aggregate Impact Value Testing Machine In accordance with IS:2386 (Part 4), IS:9377. Consisting of a base and support columns to form a rigid frame work around the quick release trigger mechanism to ensure an effective free fall of the hammer during test. The free fall should be adjustable through 380 ± 5 mm. The hammer to be provided with a locking arrangement.	1 No
5	Los Angeles Abrasion Testing Machine Conforming to IS:10070. The machine should consist of a hollow cylinder, mounted on a sturdy frame on ball bearings. A detachable shelf which extends throughout the inside length of the drum to catch the abrasive charge and does not allow it to fall on the cover. The drum is to be rotated at a speed of 30-33 rpm by an electric motor through a heavy duty	<b>1</b> No



	reduction gear. To be supplied complete with a tray for collection of the material	1
6	Aggregate Crushing Value Testing Apparatus In accordance with IS:9376 Designed to be used in compression testing machines	1 No
7	Ring and Ball Apparatus In accordance with IS 1205 With magnetic stirrer with heating facility and digital display of temperature, the heating should be controlled through the integral PIO. Suitable for operation on 220 V, 50 Hz, Single Phase, AC supply.	1 No
8	Semi automatic penotrometer with digital timer With in-built timer to control duration of penetration preset in factory to 5 seconds. The instrument is to be provided with levelling screws.	1 No
9	Flash Point (Open) and Fire Point Pensky-Martens Apparatus In accordance with IS: 1448 (Part I) 1209 The oil cup made of brass, fitted with a thermally insulated lifting handle. The cup lid, with insulated handle, is fitted with two opposite wedge cams, which engage under pillars secured to the cup flange to facilitate easy removal of the lid by rotating the handle a few degrees to disengage the cams. An exposure device mounted over the lid. The manually operated stirrer has a flexible shaft. The cup assembly positioned in a cast iron air bath, fitted with a chrome plated brass top. The air bath mounted on an upright.	1 No
10	Ductility Testing Machine with digital display  The machine consists of a carriage moving over a lead screw. An electric motor driven reduction gear to ensure smooth constant speed and continuous operation. The entire assembly mounted with water bath completely encased in metal bound hardwood. Equipped with an electric pump circulator and heater. The temperature controlled by digital temperature controller. Two rates of travel i.e. 5 cm/min and 1 cm/min.  Suitable for operation on 220 V, 50 Hz, Single Phase, AC supply.	1 No
11	Metal scoop , capacity 1 Kg	2 Nos
12	Metal scoop , capacity 2 Kg	2 Nos
13	Briquette mould, (length - 75mm, distance between clips - 30mm, width at mouth of clips - 20mm, cross section at minimum width - 10mm x 10mm),	2 Nos
14	Elastic recovery mould for ductility test	2 Nos
15	Spatula 6" Long SS Blade	2 Nos
16	Spatula 8" Long SS Blade	2 Nos
17	Water Bath Digital 18x12x7" with stirrer	1 No
18	Hot Clip Gripper Tong	3 Nos
19	SS Pan with Handle 2 Litre	4 Nos
20	Moisture Can Aluminum 50 mm dia and 50 mm high	5 Nos
21	IS Test sieves coarse aggregate 30 cm dia with GI frame - 125mm, 106mm, 100mm, 90mm, 80mm, 75mm, 70mm, 63mm, 60mm, 53mm, 50mm, 45mm, 40mm, 37.5mm, 31.5mm, 28mm, 26.5mm, 25mm, 22.4mm, 20mm, 19mm, 16mm, 14mm, 13.2mm, 12.5mm, 11.2mm, 10mm, 9.5mm, 8mm, 6.7mm, 6.3 mm, 5.6mm, 5mm, 4.75mm, 4mm, 3.35mm, 2.36mm, 1.18mm	1 Set
22	Digital Stopwatch 1/100 Sec	2 Nos
	2 - gran cropwards 17200 Sec	
23	Digital Thermometer - 0 to 300 degree celcius	2 Nos
<u> </u>	Digital Thermometer - 0 to 300 degree celcius  Electronic Weighing Balance - Digital 10Kg with 1gm precision	2 Nos 1 No
<u> </u>	Digital Thermometer - 0 to 300 degree celcius  Electronic Weighing Balance - Digital 10Kg with 1gm precision  Electronic Weighing Balance - Digital 600gm with 0.01gm precision	



Principal
Government Polytechnic College
878 551