

# **PEET MEMORIAL TRAINING COLLEGE, MAVELIKARA**

**P.O Box No. 10 Mavelikara – 690101**

Sealed tenders are invited from Competent Bidders for the supply of the following items to be purchased for the college utilizing the UGC special assistance grant.

EMD – 2.5% of the quoted amount (Cash/Demand Draft) Tender fee Rs. 200+VAT

## **I. Computer and allied equipments**

- 1) Digital Handy Cameras
- 2) Desktop computers
- 3) Barcode Scanner
- 4) Duplex ADF Scanner
- 5) Handheld OCR Scanner
- 6) Portable Hard disc
- 7) Network Printer
- 8) Server
- 9) UPS and Battery
- 10) Xerox Machines
- 11) LCD Projectors
- 12) Photocopier with Network scanning and printer with duplex and scan to USB.
- 13) Biometric Gateway 2 No.s (and installation)

## **II. Public Address System (Installation)**

## **III. Waste Disposal Equipment**

- 1) Napkin Incinerators
- 2) Incinerator

## **IV. Lab Equipment**

- 1) Psychology Lab equipments
- 2) Mathematics Lab equipments

## **V. Interactive White boards**

## **VI. Electronic durable item**

- 1) Water cooler
- 2) Vacuum Cleaner
- 3) LCD TV

## **VII. Software**

- 1) Language Lab equipments and software
- 2) Office automation software

## **VIII. Periodical racks**

## **IX. Solar street light**

## **X. Physical education equipments**

EMD, tender fee, tender sale period and other details, are available in our website: [www.peetmemorialcollege.org](http://www.peetmemorialcollege.org).

All amendments, time extension, clarifications etc. will be uploaded in the web site only.

**Date of issue 03.12.2014**

**Last date of receipt 12.12.2014 – 5.00 pm.,**

**Date of Opening the Tender form 15.12.2014 – 11.00 am.**

**Supply and Installation of Desktop Computer with three years Onsite warranty and having following configuration.**

**I. Computer and allied equipments**

1. Digital Handy Camera
2. Desktop Computer

Built in CPU Monitor 6 nos.

- With wireless mouse
- Wireless keyboard
- Camera and headset

Intel Dual Core Processor with 61 Chipset Intel Motherboard, 2 GB DDR – 3 1600Mhz Memory, 500 GB Hard disk, DVD Writer 18.5 inch TFT Monitor

3. Handheld Scanner

- Scanner Type: Sheetfed
- Speed @ 150 dpi, color: 10 sec/page
- Speed - Letter/A4 (8.5" × 11"): 10 sec/page
- Speed - Business Cards (3.5" × 2"): 3.9 sec/card @ 300 dpi, grayscale or color
- Scan Method: Fast sheetfed with VisioneerAutoLaunch
- Optical Resolution: 600 dpi
- Output Bit Depth: 24/8/1Maximum Paper Size: 8.5 x 14 in

4. Barcode Scanner

5. Duplex ADF Scanner

- Duplex ADF Scanner with Flatbed
- Searchable PDF file creation
- 23 ppm/46 ipm in b/w, 200 dpi mode
- Speed @ 200 dpi, b&w, duplex: 46 ipm
- Speed @ 150 dpi, color: 12 ppm simplex / 24 ipm duplex
- Optical Resolution: 600 dpi
- Output Bit Depth: 24-bit color, 8-bit grayscale
- ADF Capacity: 50 sheets (20 lb. paper)
- ADF Maximum Paper Size: 8.75" x 38" in
- ADF Minimum Paper Size: 3.5" x 3.5" in Maximum Paper Size: 8.5" x 11.78" flatbed in

6. Portable Hard disk 1 TB

7. All in one Printer

- Speed : 20 copies /min + Networking + Colour scanning + Duplex Printing
- Network printing
- USB printing scanning
- Photostat

8. HP ProLiantML110G7 Server

- Intel Core i3
- E3-1280, E3-1270, E3-1240, E3-1230, E3-1220, i3-2120, i3-2100
- Processor cores Quad-core, Dual-core
- Cache 8 MB Intel Smart Cache
- Maximum processor speed 3.50 GHz
- Memory type PC3-10600EUnbufferedDDR3ECC up to 1333 MHz
- Memory slots 4 DIMM slots

- Standard memory 2 GB or 4 GB, depending on model
- Maximum memory 16 GB
- 8 TB
- Maximum internal drives 4
- Removable media bays 2
- 2 Hard disks of 250 GB each
- External Hard drive

9. UPS and Battery for 8 Computers

- USB 3.0 connectivity
- Automatic and cloud backup  
1 TB

10. LCD Projector with 3200 Lumens, XGA

**II. Public Address System (Installation)**

- Wall Speakers ( 2 nos)
- Input Power 90WRMS
- PA Amplifier with Built-in Digital Player 160 RMS ( 1 nos)
- PA Microphone Stands ( 4 nos)
- PA Microphone ( 4 Nos)
- Dual VHF Wireless Microphone
- Cable and accessories

**III. Waste Disposal Equipment**

- Napkin Incinerators (Total burn napkin destroyer Automatic & electrically operated
- Solid Waste Incinerators: Fuel free solid waste disposal unit, capacity : 0.25 cubic mtrs.

**IV. Lab Equipments**

1. Alternate arrangement for organizing the psychology lab
2. Psychological Tests

No.	Item
1.	Scientific Aptitude Test for College Students: A.K.PSinha&L.N.K. Sinha
2.	Scientific Aptitude Test Battery for high school students: K.K. Agarwal
3.	Scientific Attitude Scale: SukhwantBajwa& Monika Mahajan
4.	Attitude Towards Science Scale: Anuradha Scale Agnihotri
5.	Attitude Towards Mathematics: S.C. Gakhar and Rajni
6.	Superstitious Attitude Scale: ShailjaBhagwat
7.	Anxiety, Depression, and Stress Scale: PallaviBhatnagar
8.	Stress Management Scale: V. Kaushik and N A Charpe
9.	Test Anxiety Scale: V.P. Sherma
10.	Bell's Adjustment Inventory
11.	Adjustment Inventory for School Students: A. K. P. Sinha and R. P. Singh
12.	Passi Test of Creativity:

	B.K. Passi
13.	Verbal Test of Creative Thinking by Baqer Mehdi
14.	Verbal Test of Scientific Creativity: T.R.Sharma and J.P.Shukla
15.	Environmental Awareness Scale: HaseenTaj
16.	Aggression Scale: G. P. Mathur and RajkumariBhatnagar
17.	General Mental Ability Test for Children: R.P. Srivastava and KiranSaxena
18.	Emotional Intelligence Scale: Ankul Hyde, SanjyotPethe and UpinderDhar
19.	Social Intelligence Scale: N.K.Chadha and UshaGaneshan
20.	Scientific Interest Inventory: K. S. Misra
21.	Emotional Maturity Scale: Singh and Bhargava
22.	Group Test of Intelligence: G.C. Ahuja
23.	Cognitive Style Inventory: Praveen Kumar Jha
24.	Problem Solving Ability Test: L. N. Dubey
25.	Learning Style Inventory: K. S. Misra
26.	Job Satisfaction Scale: VikasKundu
27.	Self Concept Rating Scale: R.KSaraswath
28.	Socio Economic Status Scale: Rajbir Singh, RadheyShyam and Satish
29.	Study Habit Inventory: M. Mukhopadhyaya and D.N. Sansanwal
30.	Test of Science Processess: <i>K. S. Misra</i>
31.	Eysenck's Personality Inventory (EPI) (English)
32.	Leadership Preference Scale: L. I. Bhusan
33.	Mental Health Battery: A. K. Singh and AlpanaSengupta
34.	Rao's Social Maturity Scale: NaliniRao
35.	Social Competence Scale: V. P. Sharma, PrabhaShukla and KiranShukla
36.	Life Satisfaction Scale: <i>Promila Singh and George Joseph.</i>
37.	Time Management Competency Scale: <i>D. N. Sananwal and MeenakshiParashar</i>
38.	Adolescent's School Satisfaction Inventory: <i>Meenakshi Sharma.</i>
39.	Teachers Professional Development Scale: <i>YodidaButia</i>
40.	Teacher's Occupational Stress Scale:

	<i>Sajid Jamal and Abdul Raheem.</i>
41.	Raven's standard progressive matrices complete set SPM test of a person's capacity at the time of the test to apprehend meaningless figure presented for the observation
42.	Sentence Completion test : G. Tiwari

### 3. Apparatus

No.	Apparatus
1.	Division of Attention board:
2.	Size Constancy Apparatus(Performance):
3.	Time Perception Box(Performance):
4.	Horizontal - Vertical Illusion Board (with stand) (Performance):
5.	Size and Weight Illusion Box (14 weights) with Manual
6.	color preference App.
7.	Dvision of attention- electrical complete set
8.	Finger Tapping Test
9.	Eye-hand Coordination Test Apparatus
10.	Distraction of Attention Box:
11.	Seguin Form Board (Performance):
12.	Koh's Block Design Test(Perfromance):
13.	Cube Construction Test(Perfromance):
14.	Habit Interference Board/Card Sorting Tray (Perfromance):
15.	Porteous Maze: Printed Mazes: (Performance)
16.	Mirror Drawing Apparatus Simple for printed Star with Manual
17.	Optical illusion chart

### 4. Photograph's of Eminent Psychologists

Laminated (on 8mm board) photographs of

1. Alfred Adler
2. Carl Jung
3. Wilhelm Wundt
4. Clark L. Hull
5. Edwin Ray Guthrie
6. Alfred Binet
7. Gordon Allport
8. Carl Rogers
9. Erik Erikson
10. Kurt Lewin

### 5. Pictures/flow chart

1. Mind-Blowing Personality Tests Pictures
2. Seven Intelligences Comprising Gardner's Theory of Multiple Intelligences
3. Miscellaneous Items
4. 2.Classification of Mental Retardation
5. Piaget on Language and Thought
6. Brain Anatomy and Functions
7. Multi-store Model of Memory
8. Dynamics of Classroom Interactions between Teachers and Students
9. Images related to Gestalt Theory
10. Creativity pictures and images

## 6. Miscellaneous

1. Computer Set
2. L.C.D. Projector
3. Stop Clock- Mechanical - 650-00
4. Electronic stop watch- 1020-00

## 7. Research Journals in Educational Psychology

1. Review of Educational Research.
2. International Educator.
3. IJEP - International Journal of Educational Psychology. [ijep@hipatiapress.com](mailto:ijep@hipatiapress.com)
4. Educational Psychology Review
5. The International Journal of Indian Psychology

## 8. Books

	<b>Book</b>	<b>Author</b>
1.	Child psychology: Growth and Development-	Vjayakumari-
2.	Introduction to psychology	Arun Kumar
3.	Essentials of educational psychology	J.C Aggarwal
4.	Educational psychology	Santrock
5.	Personality development	Bharathi
6.	Essentials Of Educational Psychology	S.K. Mangal
7.	Educational Psychology	Tara Chand
8.	Developmental Psychology. New Delhi: Mcgraw-Hill	Hurlock, B. Elizabeth
9.	A Text Book of Advanced Educational Psychology; New Delhi:	Dandapani, S.
10.	Educational Psychology, Agra-2,	Mathur.S.S
11.	Cognitive Psychology (4th ed.)	Sternberg, R.J
12.	Educational Psychology, New Delhi	Anita
13.		Woolfolk
14.	Personality, : New Delhi: Surjeet	Guilford JP
15.	Educational Psychology: Theories and Strategies for Learning and Instruction, Bangalore,	Umadevi, M.R.,

- Laser Printer A\$ with duplex and 24 ppm
- Mathematics Lab Equipment

<b>SL NO</b>	<b>THEOREMS</b>	<b>CATEGORY</b>
1	Proof of Area of Triangle	UP
2	Area of Circle	HS
3	Area of Parallelogram	HS
4	Area of Circular Path	HS

5	Area of Reclangular Path	HS
6	Area of Crossed Path	HS
7	Area of Quadrilateral	HS
8	Area of Rhombus	HS
9	Area of Trapezium	HS
10	Surface Area of Cylinder - Wooden	HS
11	Surface Area of Cylinder - synthetic	HS
12	Surface Area of Sphere & Cylinder	HS
13	Sector Cone Relation	HS
14	Pythagorus Theorem	UP
15	Pythagorus Theorem Model 1	UP
16	Pythagorus Theorem Model 2	UP
17	Appollonius Theorem	HS
18	Quadrilateral Sum of Angles 360	HS
19	Angles Sum Property of Triangle	UP
20	Sum of Angles in a Triangle	UP
21	Sum of Exterior Angle of a Polygon	HS
22	Angles in a Parallelogram	HS
23	Interior Angles in a Polygon	HS
24	Lines and Angles(Geo Board)(5 X 1400)	UP/HS
25	Parallel Lines	UP
26	Triangles Congruency	UP
27	Two Congruent right Triangles	UP
28	Triangle kit	LP
29	Quadrilateral kit	lp
30	Square-root Scale	HS
31	Parallel Lines crossing Perpendicular	UP
32	Parallel Planes & vertical planes	HSS
33	Value of Pie	HS
34	Fraction Tiles	UP
35	Fraction Strips	UP
36	Y=Sin X Graph	HSS
37	Legrnges Mean Value Theorem- Graph	HSS
38	Graph Chart	HS/UP
39	Arithmetic Progression & Sum	HS
40	Mid Point Theorem	HS
41	Pyramid Numbers	HS

42	Pentagonal Numbers	HS
43	Thale's Theorem	HS
44	Golden Ratio	HS
45	Sum of first n squares of N natural Numbers	HS
46	Set Theory	HS
47	Probability	HS
48	Quadriatic Equations By Squares	HS
49	Construction of Elipse	HS
50	Construction of Parabola	HS
51	Central & Inscribed Angles	HS
52	Angles in a Circle (5 X 900)	H S
53	Cyclic Quadrilateral	HS
54	ACTS 4 Quadrants	HSS
55	In Circle & Circum Circle	HS
56	Opposite Segments are equal	HS
57	Diagonal Scale	UP
58	Longest Diagonal in a Cuboid	UP
59	Integer Scale	UP
60	Three scales with Connectors	UP
61	Scale Tape set	UP
62	Common Balance	UP
63	Measurement Vessels	UP
64	Volume of Cone	HS
65	Volume of Cube -Big	UP
66	Volume of Cube -Small	UP
67	Volume of Square Pyramid	HS
68	Volume of Sphere and Cylinder	HS
69	Clinometer	HS
70	Multiplication of Integers	UP
71	Multiplication String	UP
72	Intersection of Three Plains	HSS
73	Set of Regular Polygons	HS
74	Rotation of Shapes with Adaptor	HS
75	Conversion of Solid	HS
76	Abacus ( 5 X 700)	LP/UP
77	Ratio of Area of Similar Triangles	HS
78	Ratio of Area of Triangles between two parallel lines	HS



79	Compass ( 5 X 250)	UP/HS
	<b>IDENTITIES</b>	
80	$(a + b)^2$	HS
81	$(a - b)^2$	HS
82	$(a + b) (a - b)$	HS
83	$(a + b) (a + c)$	HS
84	$a^3 - b^3$	HS
85	$a(b + c + d)$	HS
86	$a(b - c)$	HS
87	$(a + b + c)^2$	HS
88	$(a + b)^3$	HS
89	$a^3 + b^3$	HS
90	$(a+b)^2 - (a-b)^2 = 4ab$	HS
91	$(a+b)^2 - (a-b)^2 = 2a^2 + 2b^2$	HS
	<b>SOLIDS</b>	
92	Cube	HS
93	Cuboids	HS
94	Square Prism	HS
95	Tetrahedron	HS
96	Dodecahedron	HS
97	Icosahedron	HS
98	Triangular Prism	HS
99	Triangular Pyramid	HS
100	Square Pyramid	HS
101	Octahedron	HS
102	Sphere	HS
103	Skeleton of Cone	HS
104	Skeleton of Square Pyramid	
105	Pentagonal Pyramid	
106	Hexagonal Pyramid	
107	Pentagonal Prism	
108	Hexagonal Prism	
109	Geometrical Solids	UP/HS
	<b>CONICAL SECTIONS</b>	

110	Parabola	HS
111	Hyperbola	HS
112	Frustum	HS
113	Ellipse	HS
	<b>LEARNING MANIPULATIVE</b>	
114	Jodo Blocks (5X750)	LP/UP/HS
115	Fraction Kit (5X650)	UP/HS
116	Fraction Kit (circle) (5X500)	UP/HS
117	Math Mat (5X450)	LP/UP/HS
118	Ganit Mala	LP/UP
119	Ganit Mala (Small) (10x150)	LP
120	Ganit Rack (10x125)	LP
121	Rangometry (5x400)	LP/UP/HS
122	Pipes & Connectors (5x560)	LP/UP/HS
123	Place Value Kit (Dien's Block) (5x700)	LP/UP/HS
124	Dice Cube	LP/UP
125	3D Shape Kit	LP/UP/HS
126	3D Shape (Net Kit)	UP/HS
127	Geo Sticks	U P
128	Family of Shapes (5X250)	LP/UP
129	Currency Games (5x300)	LP/UP
130	Place Value Stick (10X200)	LP
131	Reach 100 (Game) (10x220)	LP
132	Digit Cards (10X200)	LP
133	Number Cards (0 to 100)	LP
134	Multiplication Catcher	LP/UP
135	Napier's Rods (5X700)	LP/UP
136	Match the Number (10x 100)	LP
137	Jungle Game(10x120)	LP
138	Number Balance (10x350)	LP/UP
139	Addition Scale (5X750)	LP
140	Number Strips	LP
	<b>PUZZLES AND GAMES</b>	
141	Magic Hexagon (5X500)	GENERAL
142	Magic Triangle (5X500)	GENERAL
143	1-64 Magic Square (5X600)	GENERAL
144	7X7 Magic Square(5X850)	GENERAL

145	Coin Magic (5X 500)	GENERAL
146	Train Tracking (5 X 500)	GENERAL
147	Cube rolling ( 5X 500)	GENERAL
148	Tangram (Wood) (5x900)	GENERAL
149	Sliding Eleven Pieces ( 5 X 600)	GENERAL
150	Two bead Puzzle (10 X 75)	GENERAL
151	Three bead Puzzle (10 X 90)	GENERAL
152	Sliding Puzzle ( 5 X 750)	GENERAL
153	Hanoi Tower (5 X 600)	GENERAL
154	Off-cut Puzzle ( 5 X 600)	GENERAL
155	Soma Cube (7 pieces) ( 5 X 400)	GENERAL
156	Dice Magic (5 X 250)	GENERAL
157	Tangram (rubber) ( 10 X 100)	GENERAL
158	Horse Shoe (10X 200)	GENERAL
159	Pallankuzhi ( 5 X 950)	GENERAL
160	Pentomino Puzzle (5 X 950)	GENERAL
161	Make a Square ( 5 X 700)	GENERAL
162	Fun 'N' Design (10 X 100)	GENERAL
163	Watchman Puzzle (5 X 700)	GENERAL
164	Magic Circle ( 5 X 500)	GENERAL
165	Solitaire-7 ( 5 X 300)	GENERAL
166	Quinties ( 5 X 500)	GENERAL
167	Packing Perfumes ( 5 X 500)	GENERAL
168	Number Puzzle 1-8 ( 5 X 500)	GENERAL
169	5 colour Puzzle (5 X 500 )	GENERAL
170	4 colour 4 Shapes ( 5 X 500)	GENERAL
171	1-8 Reversing ( 5 X 500)	GENERAL
172	Pyramid Two Pieces	GENERAL
173	Pyramid 4 pieces	GENERAL
174	Ball Pyramid (Small)	GENERAL
175	Ball Pyramid (Big)	GENERAL
176	Nail Puzzle	GENERAL
177	Take the Ring out	GENERAL
178	4 X 4 Square puzzle-1	GENERAL
179	Parking puzzle	GENERAL
180	MathematitiansPosterres (set of 26)	GENERAL
181	Bring the Cat Out	GENERAL
182	Pegboard Puzzle	GENERAL
183	Make a cube	GENERAL

184	Number Game (1-6)	GENERAL
185	Crazy Cubes	GENERAL
186	Framed Photographs of Mathematicians 700 each (700x40)	GENERAL
187	Mathematical Charts (Laminated, 500 each) (500x40)	GENERAL
	<b>NEW ITEMS</b>	
188	Digit card	
189	Place value mat	
190	Place value card	
191	3 piece puzzle	
192	mageticUTH	
193	Fraction Wheel	
194	Volume set	
195	Multiplay	
196	Rectangle- Rectangle multi game	
197	Decimal kit	
198	Solid Shape	
199	Prism	
200	Mangnifying lens	
201	Bug Viewer	
202	Kalledi scope	
203	Periscope	
204	Astro Kit	
205	Telescope-Orange	
206	Fraction Tiles with tray	
207	Split box	
208	Relation Ship Solids (Set of 15)	
209	Relation Ship Ring (Set of 5)	
210	Algebra Tiles (Set of 35 Pcs)	
211	Thousand Chips	
212	Angle set	
213	Area kit	

## V. Interactive White boards

## **VI. Electronic durable item**

### 1) Water Cooler

Eco – friendly Twin tub, Cooling capacity 15 liters, Refrigerant

### 2) Vacuum Cleaner

Dimensions 505 x 390 x 405 (H X D X W) in mm Net Weight 7.8 Kgs Suction Power 1800 mm of water column Rated Voltage 230V AC, 50Hz Power Rating 1150 watts Blower Efficiency 650 Litres/mi

### 3) LCD TV 32 inch

## **VII. Software**

### 1) Language Lab Equipment

#### System Requirement :-

#### a) PC for Teacher

- 3 GHz Processor- Intel Dual Core / Core2Duo / P4 / AMD / equivalent
- Motherboard with good Sound quality
- 2 GB RAM
- 160 GB Hard Disk
- DVD drive
- 15' Monitor Supports 1024 X 768 pixel
- Keyboard, Mouse
- Good Quality Headphones with mic (Logitech or Tech-Com)
- 32 bit - Windows 2003 Server/ Windows XP with Servicepack II/ Windows 7

#### b) PC for Student

- 3 GHz Processor- Intel Dual Core / Core2Duo / P4 / AMD/ equivalent
- Motherboard with good Sound quality
- 1 GB RAM
- 160 GB Hard Disk
- 15' Monitor Supports 1024 x 768 pixel
- Keyboard, Mouse
- Good Quality Headphones with mic (Logitech or Tech-Com)
- 32 bit - Windows XP with Service pack II / Windows 7

#### c) Network

- Need Wired LAN and IP address of same series
- Every system must be in same workgroup

### 2) Office Automation Software

## **VIII. Periodical Racks**

### **IX. Solar Street Light**

- a. Automatic Dusk to dawn operation
- b. Extremely long life LEDs ( >50,000 hrs)
- c. No lamp blackening
- d. Body made up of Engineering Plastic
- e. Attractive & Weather Proof ( IP65)

### **X. Physical Education Equipment**

- Treadmill
- Abdomen Reducer
- Orbitrack
- Hand Pulley
- Dumbbells