Quotation Notice
OPTO/QTN/09-2012

Quotations are invited for the following items in the Department of Optoelectronics, University of Kerala, Kariavattom, Thiruvananthapuram.

<table>
<thead>
<tr>
<th>No</th>
<th>Items</th>
<th>Specifications</th>
<th>Size</th>
</tr>
</thead>
</table>
| 1  | Stainless steel post system | * 12 mm diameter  
* M6 and M4 tapped holes | 30 mm  
40 mm  
100 mm  
125 mm  
150 mm |
| 2  | Standard post holder : Aluminium alloy with black anodized finish | * 12 mm diameter  
* M6 and M4 tapped holes  
* Thumb screw position type | 30 mm  
40 mm  
50 mm  
75 mm  
100 mm |
| 3  | Post Collar Aluminium alloy with black anodized mat finish | * For 12 mm diameter posts |
| 4  | Post bases (standard) | * 9 mm thickness  
* M6 clearance slot | Length= mm  
Breadth= mm |
| 5  | XY Base | * 9 mm thickness  
* M6 clearance slot  
* M6 and M4 C bored hole | For 12 mm diameter posts |
| 6  | Square base | * 25 mm thickness  
* M6 tapped holes on 25 mm grid | 75x75x25 mm |
| 7  | Switchable Magnetic Base | * M6 tapped holes | 65x50 mm mounting area |
| 8  | Swivel type post clamps | * Black anodized finish  
* H7 hole  
* M6 tapped hole on bottom  
* M6 locking knob | For post diameter=12 mm |
| 9  | Precision polarizer mount | * 360° coarse movement  
* +/- 4 degree rotation  
* 0.1 degree resolution  
* Coarse to fine changing knob  
* M6 mounting hole  
* Post mountable | For post diameter=12 mm |
| 10 | Quick change filter holder | * Quick introduction or removal of filters  
* 12 mm diameter Post mountable | For post diameter=12 mm |
| 11 | Beam splitter | * R/T ratio 50/50 Square aperture | Size = 25 mm |
| 12 | Lens | PLANO CONVEX  
* Substrate material N-BK7  
* Diameter tolerance +0.0, -0.2mm  
* Effective focal length tolerance +/-1%  
* Centering tolerance <=3arc min  
* Surface quality 60-40  
* Clear aperture >90%  
* Design wavelength=587.6nm  
* Coating- uncoated/single layer AR | Focal length=30mm,  
F=200mm,  
F=250mm,  
F=300mm,  
F=400mm,  
F=700mm, |
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<thead>
<tr>
<th></th>
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<th>BICONVEX</th>
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<tbody>
<tr>
<td>13</td>
<td></td>
<td>PLANO CONCAVE</td>
<td></td>
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<tr>
<td>14</td>
<td>Plane mirror</td>
<td>F=50mm, F=60mm, F=100mm, F=200mm, F=500mm, F=50 mm</td>
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<tr>
<td>15</td>
<td>Half-silvered</td>
<td>Optic size: 12.5, d=24, C=15.5, T=12</td>
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<tr>
<td>16</td>
<td></td>
<td>D=38, d=50, C=27, T=12</td>
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<tr>
<td>17</td>
<td>Lens Holder</td>
<td>D=100, d=120, C=65, T=20</td>
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<tr>
<td>18</td>
<td>Metric Thread Adapters</td>
<td>* M6 Male M6 Female</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>English Thread Adapters</td>
<td>* ¼-20 Male ¼-20 Male</td>
<td></td>
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<tr>
<td>20</td>
<td>Thumb screws</td>
<td>* Nylon Tipped</td>
<td></td>
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<tr>
<td>21</td>
<td>Metric socket cap screws</td>
<td>* Item M6</td>
<td></td>
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<tr>
<td>22</td>
<td>Metric Allen key, Washers and Nut</td>
<td>* L=22 mm</td>
<td></td>
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<tr>
<td>23</td>
<td>Metric socket cap screw kit</td>
<td>M6</td>
<td></td>
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<tr>
<td>24</td>
<td>Neutral Density Filter</td>
<td>L=22 mm</td>
<td></td>
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<tr>
<td>25</td>
<td>Fiber Optic Patch Cords</td>
<td>* UV-Vis (180-1150 nm)</td>
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<tr>
<td>26</td>
<td>Laser Fiber Coupler</td>
<td>Sheathed in rugged 3/16” OD</td>
<td></td>
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<tr>
<td>27</td>
<td>Fiber Optic Condenser Unit</td>
<td>PVC monocol</td>
<td></td>
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<tr>
<td>28</td>
<td>Condenser Unit</td>
<td>1.5m length with FCA or SMA</td>
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<tr>
<td>29</td>
<td>Fiber Collimator/Focusers</td>
<td>connectors</td>
<td></td>
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<tr>
<td>30</td>
<td>Fiber chuck (FCI series)</td>
<td>* M6 mounting hole</td>
<td></td>
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<tr>
<td>31</td>
<td>Fiber chuck holder (FCH series)</td>
<td>* Post/base mountable</td>
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<tr>
<td></td>
<td></td>
<td>M6 mounting hole</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>* Post/base mountable</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>* M6 mounting hole</td>
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<tr>
<td></td>
<td></td>
<td>* Post/base mountable</td>
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<td></td>
<td></td>
<td>* Diameter 25mm, focal length 40 mm</td>
<td></td>
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<td></td>
<td></td>
<td>* Diameter 25 mm, focal length 60 mm</td>
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<td></td>
<td></td>
<td>Clear aperture 20 mm</td>
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<td></td>
<td></td>
<td>Beam divergence &lt;0.1 m rad</td>
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<td></td>
<td></td>
<td>* M6 tapped hole at the base for postal mounting</td>
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<td></td>
<td>XY fiber positioner for positioning multi-mode fibers</td>
<td></td>
<td>M6 Mounting Post/base mountable</td>
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<tr>
<td>32</td>
<td>* Travel 3mm (for both X and y axis) * Drive: 80 tpi lead screw * Construction: Al alloy</td>
<td></td>
<td>Bending dia= 0.8 mm Beam divergence ≤ 1m rad</td>
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<tr>
<td>33</td>
<td>He-Ne laser * Randomly polarized He-Ne laser * varying optical power &amp; constant optical power * Operating wavelength =632.8 nm * Power 220v AC, 50 Hz * Minimum operating life time 15,000 hrs.</td>
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<tr>
<td>34</td>
<td>Pinhole photo detector</td>
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<td>35</td>
<td>Translation stages for detector Mount is to scan photo detector in X,Y and Z directions</td>
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<td>36</td>
<td>Detector o/p measurement unit Measurement range 0-199 ma Resolution 1 mA-0.1 μA Detector module PPD-LX-PT</td>
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<tr>
<td>37</td>
<td>He-Ne laser mount Aluminium alloy Black anodized</td>
<td>Min laser dia=32mm Max laser dia=150mm</td>
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<tr>
<td>38</td>
<td>Beam expander</td>
<td>Magnification 2x Aperture=3mm</td>
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<td>39</td>
<td>Lab jack * Load capacity: up to 50 kg * Vertical height adjustment by 1mm pitch lead screw * Parallelism:0.1mm for the entire travel * M6 tapped holes at the top on 25mm grid * M6 clearance slots at top and bottom * Aluminium alloy and stainless steel construction * Black anodized</td>
<td>L=350mm B=300mm r(min,max)=/&gt; ,200 Load capacity=15kg</td>
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<td>40</td>
<td>Optical chopper * Frequency(10 slot) * Chopper wheel dia=105mm * Frequency read out=16*1 line LCD * Reference pick up: IR LED and photo transistor pair * Motor cable length:2m * Operating temperature: 10-50c * Power input:230v,50Hz</td>
<td>10 slot blide</td>
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</table>

The firms who wish to supply the item are requested to submit the quotation in sealed cover to the undersigned on or before 24.08.2012.

Kariavattom,
08.08.2012

[Signature]

Professor & Head
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