# Test Facilities at OFB

**Central Nodal Officer:** Shri Rajat Paul  
**DIR/QCS**  
**Ordnance Factory Board**  
**10 A S.K. Bose Road**  
**Kolkata -1**  
**Phone No. 033 22485077-80, Extn.-507**  
**Fax No. 033-22107629**  
**E-Mail ID dir-qcs.ofb@gov.in**

**Ordnance Factory Medak**  
**Nodal Officer:** Shri. Vijay Kumar Meena, AWM  
**Ordnance Factory Medak**  
**Yeddumailaram ,TS– 502205.**  
**Phone No.-040-23283425 & 23283635, Mobile No. 08332999284**  
**Fax No. 040- 23292950**  
**Email-id- vijaykumarmeena.ofb@ofb.gov.in & ofpm.ofb@nic.in**

**Factory Bank Details:** State Bank of India  
**Bank Account No. 52125372369**  
**IFS Code SBIN0020537**  
**MICR Code 500004183**

<table>
<thead>
<tr>
<th>Sl.No</th>
<th>Test/Calibration Facility</th>
<th>Test / Specifications</th>
<th>Material to be tested</th>
<th>Rate</th>
</tr>
</thead>
</table>
| 1.    | Ballistic Test            | Ballistic Testing (with 7.62mm& 5.56mm ammunition with various distances/ranges) | Armour Steel Plate/Aluminium/Bullet proof Canvas Cloth/ Bullet proof Glass | 1. With 9mm Sten Carbine-Rs.91800/-  
2. With 7.62mm SLR- RS.- 92010/-  
3. With 7.62mm LMG-Rs.92640/-  
4. With 7.62mm Sniper-Rs. 91940/-  
5. With 7.62mm AK-47-RS.- 91940/-  
6. With 12.7mm AD Gun-Rs.109840/-  
7. With 14.5mm AMR-Rs.111760/- |
| 2.    | X-Ray Machine, Magnetic Particle Inspection Machine, Dye Chemicals | Radiographic Test/ Magnetic Particle inspection/ Dye Penetrate Test | Aluminum Casting of Non-Radiographic Quality/ Ferro Alloy Item/ Ferrous, Non-Ferrous & Ceramics | Rs 2500/- for each element |
| 3.    | LECO C&S Determinator     | Chemical Analysis (as per ASTM E 1019-2011) | Carbon Steel & Low Alloy Steel, Austenitic Stainless Steel, Tool Steel/ Cast Iron | Rs 600/- for each element |
4. Universal Testing Machine | Tension and Compression (as per IS 7906 : 2004) | Springs | Rs 750/- for each element

Note: The above rates are exclusive of taxes and will be charged extra as applicable.

**Ordnance Equipment Factory, Kanpur**

Nodal Officer: Shri R.K. Verma, Jt.GM
Ordnance Equipment Factory Kanpur
Phool Bagh, Kanpur
PIN - 208001
Uttar Pradesh, India.
Phone No: 0512-2313179
E-Mail- rkverma.oofb@nic.in

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Test Facility</th>
<th>Test / Specifications</th>
<th>Material to be tested</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>pH Meter**</td>
<td>pH Value (as per IS:1390-1983)</td>
<td>Aqueous Extract</td>
<td>Rs.588/-</td>
</tr>
<tr>
<td>2</td>
<td>Cone Test Apparatus</td>
<td>Cone Test –Proofing content of Canvas and Duck (as per IS 6803:1972)</td>
<td>Coated Fabrics</td>
<td>Rs.2267/-</td>
</tr>
<tr>
<td>3</td>
<td>Perspirometer**</td>
<td>Chemical Analysis (Colour Fastness to Perspiration) (as per IS 971:1983)</td>
<td>Fabric / Tapes/Thread/PSF/Cordages</td>
<td>Rs.582/-</td>
</tr>
<tr>
<td>4</td>
<td>Chemical Analyzer**</td>
<td>Chemical Analysis Determination of Bound Organic Leather</td>
<td>Volatile Matter</td>
<td>Rs.2999/-</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Chromic Oxide</td>
<td>Rs.552/-</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>pH</td>
<td>Rs.1188/-</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>water soluble Matter</td>
<td>Rs.324/-</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Total Ash etc. as per IS: 582-</td>
<td></td>
<td>Rs.1895/-</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1970</td>
<td></td>
<td>Rs.702/-</td>
</tr>
<tr>
<td>5</td>
<td>Indentation Hardness**</td>
<td>As per IS:1741-1960</td>
<td>Ferrous materials</td>
<td>Rs.552/-</td>
</tr>
<tr>
<td>6</td>
<td>Cone Test Apparatus**</td>
<td>Cone Test (as per IS:7941-1976)</td>
<td>Fabric</td>
<td>Rs.600/-</td>
</tr>
</tbody>
</table>

** Subject to availability of spare capacity

Note: The above rates are exclusive of taxes and will be charged extra as applicable.

**Ordnance Factory Kanpur**

Nodal Officer:
Shri Ashutosh Kumar Kushwaha, WM
Ordnance Factory, Kanpur
Pin Code: 208009, U.P
Phone No. 0512-2245148, Mob: 9455351616
E-Mail ID

Factory Bank Details: UCO Bank
Bank Account No. CA-03840200000511
IFS Code UCBA 0000384
MICR Code 208028007

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Test Facility</th>
<th>Test / Specifications</th>
<th>Material to be tested</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>ONH Analyzer</td>
<td>ONH content of 1gm sample in the range of 0.05 PPM to 50000 PPM with the precision of 0.025 PPM</td>
<td>-------</td>
<td>Rs.1800/-</td>
</tr>
</tbody>
</table>
### Ordnance Equipment Factory Hazratpur

**Nodal Officer:** Shri Raghav Gupta, WM  
Ordnance Equipment Factory Hazratpur  
Hazratpur, Dist: Firozabad  
State :Uttar Pradesh  
Pin Code- 283103  
Phone no.: 05612 – 276261  
Fax No: 05612-276002  
E Mail ID oefhz.ofb@nic.in

**Factory Bank Details:**  
State Bank of India  
Bank Account No. 10850295014  
IFS Code SBIN0000641  
MICR Code 28300210

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Test Facility</th>
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<th>Rate</th>
</tr>
</thead>
</table>
| 1     | Laundro Meter          | Chemical Analysis  
Colour Fastness to Washing with Soap or Soap and Soda  
Colour Fastness to Sea Water  
Colour Fastness to Organic Solvents  
Colour Fastness to Rubbing (as per IS/ISO 105 (Part- C10 : 2006)/ IS 690:1988)/ | Fabric / Tapes / Cordages/ Sewing Thread/PSF/ Netting/ | Rs.1049/- |
| 2     | Perspiro Meter         | Chemical Analysis  
Colour Fastness to Perspiration  
Fabrics (Other than Wool) – Dimensional Changes on Soaking in Water  
pH Value of Aqueous Extracts) (as per IS 971:1983) | Fabric / Tapes/ Thread/PSF/Cordages | Rs.570/- |
<p>| 3     | Thread Counter         | Threads per Unit Length (as per IS 1963:004)                                           | Sewing Thread/Cordage          | Rs.252/- |
| 5     | Tensile Testing Machine| Yarn - Breaking Strength and Elongation at Break of Single Strand (as per IS 1670:1991) | Cordages/ Sewing Thread | Rs.865/- |
| 6     | Breaking Strength Testing Machine | Breaking Load of Braided Nylon cords for aerospace purposes (as per IS 4227:1998) | Cordages/ Sewing Thread | Rs.743/- |
| 7     | Breaking Strength Testing Machine | Breaking Strength of Coated and Treated Fabrics (as per IS 7016:1981) | Coated Fabrics | Rs.865/- |
| 8     | Breaking Strength Testing Machine | Breaking Load of Tyre yarns, cords and tyre cord warp sheets made from man-made fibers (as per S 4910: 1989) | Cordages/ Sewing Thread | Rs.743/- |
| 9     | Tearing Strength Tester | Tear Strength by the Falling Pendulum Method (as per IS 6489: 2011) | Fabrics | Rs.620/- |
| 10    | Crease Recovery Tester | Recovery from creasing of textile fabrics by measuring the angle of recovery( as per IS 4681:1981) | Fabrics | Rs.494/- |
| 11    | Bursting Strength Tester | Bursting Strength of Fabrics - Diaphragm Method (as per IS | Corrugated Boxes/ Netting | Rs.319/- |</p>
<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Test Facility</th>
<th>Test / Specifications</th>
<th>Material to be tested</th>
<th>Rate (Cost considered for Yr.2017-18)</th>
</tr>
</thead>
</table>
| 1      | Microscope         | Micro (Grain size Estimation) (as per IS 13015-1991/ IS 4748-2009/ IS 4163-2004/ IS 7754-1975) | Steel/Cast Iron       | 1. Macro Exam as per IS 13015- Rs.1000/- + GST as applicable  
2. As per IS 4163, 4748- Rs.2000/- + GST as applicable   
3. (with heat treatment) Rs.2500/- + GST as applicable  
4. As per ASM VOL-7 Rs.2000/- + GST as applicable          |
| 2      | Radiography        | Gamma Ray Cobalt T-60 Radiography (as per IS 2595-2008)                                 | Steel Casting         | Rs. 2000/- + GST as applicable                         |

**Ordnance Factory Muradnagar**

Nodal Officer:  Shri Pawanjeet Singh, AWM/QC  
Ordnance Factory Muradnagar  
Dstt. – Ghaziabad, PIN - 201206  
Phone No. - 01232-232214  
E-mail ID: ofmqc.ofb@nic.in

Factory Bank Details: State Bank of India  
Bank Account No. 10674451099  
IFS Code SBIN0002425  
MICR Code 110002367

**Ordnance Factory Ambajhari**

Nodal Officer:  Shri Ch. VV Narasimha Rao, WM  
Ordnance Factory Ambajhari  
Nagpur, Maharashtra  
Pin Code - 440021  
Phone No. 07104-246845-49, Mobile No. 9764017426  
Fax : 07104-246705  
E- Mail ID ofajmtl.ofb@ofb.ofb.gov.in

Factory Bank Details: UCO Bank  
Bank Account No. 03670200000144  
IFS Code UCBA0000367  
MICR Code 440028005

<table>
<thead>
<tr>
<th>Sl. No</th>
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<th>Material to be tested</th>
<th>Rate (Cost considered for Yr.2017-18)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Cone Test Apparatus</td>
<td>Cone Test - Special Proofed Canvas and Duck/ Pressure Head Test - Special Proofed Canvas and Duck (as per IS 6803:1972)</td>
<td>Coated Fabrics</td>
<td>Rs.621/- Pressure Head Test- Rs.616/-</td>
</tr>
<tr>
<td>No</td>
<td>Test Facility</td>
<td>Test / Specifications</td>
<td>Material to be tested</td>
<td>Rate</td>
</tr>
<tr>
<td>----</td>
<td>-------------------------------------</td>
<td>----------------------------------------------------------------------------------------</td>
<td>----------------------------------------</td>
<td>-------</td>
</tr>
<tr>
<td>1</td>
<td>Hot Air Oven, Chemical Analyser</td>
<td>Volatile Matter %, Red Oxide of Iron %, Drying Time in minutes. (as per JSS – 8030 – 14 – 2009)</td>
<td>APC No.2 ( RD – 1192K )</td>
<td>Rs.4598/-</td>
</tr>
<tr>
<td>2</td>
<td>Muffle Furnace, Softening Point Apparatus</td>
<td>Ash %, Softening Point ºC, (as per JSS – 8030 – 28 – 2003)</td>
<td>APC No. 101 ( RD 1061 )</td>
<td>Rs.3706/-</td>
</tr>
<tr>
<td>3</td>
<td>Softening Point Apparatus</td>
<td>Softening Point ºC (as per JSS – 8030 – 25 – 2009)</td>
<td>APC No. 102 ( RD 1064 )</td>
<td>Rs.3685/-</td>
</tr>
<tr>
<td>4</td>
<td>Hot Air Oven, Muffle Furnace, Chemical Analyser</td>
<td>Moisture %, Loss on Ignition %, Matter Insoluble in Acid %, Carbon Tetrachloride Soluble matter %, Chlorides as ‘NaCl’ % (as per IND / ME / 236 : 2003)</td>
<td>Talc Powder</td>
<td>Rs.3725/-</td>
</tr>
</tbody>
</table>

**Subject to availability of spare capacity**

**Ordnance Factory Chandrapure**

**Nodal Officer:** Shri C. R. Sandeep, WM
Ordnance Factory Chanda
Dist- Chandrapur, Pin Code – 442501, Maharashtra
Phone No. 07175-261036, 261489, 261253
Mobile No. 9665686234
E-mail ID crsandeep.ofb@nic.in

**Factory Bank Details:** State Bank of India
Bank Account No.: 11013529096
IFS Code: SBIN0004711
MICR Code: 442002091

<table>
<thead>
<tr>
<th>Sl. No</th>
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</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Apparatus for Chemical Analysis**</td>
<td>Chemical Analysis (as per JSS 6810-127-199)</td>
<td>4:6 Dinitro Resorcinol</td>
<td>Rs.7601/-</td>
</tr>
<tr>
<td>2</td>
<td>Apparatus for Chemical Analysis**</td>
<td>Chemical Analysis as per IS 2697:1976</td>
<td>Ammonium Bicarbonate</td>
<td>Rs.3584/-</td>
</tr>
<tr>
<td>3</td>
<td>Apparatus for Chemical Analysis**</td>
<td>Chemical Analysis as per JSS 1375-01-2012</td>
<td>CE Crystalline Dense/ CE Dry Dust/ CE Dry</td>
<td>Rs.9724/-</td>
</tr>
</tbody>
</table>

**High Explosives Factory, Pune**

**Nodal Officer:** Shri M. Rajkumar, Jt.GM
High Explosive Factory
Khadki, Pune
PIN – 411003, Maharashtra
Phone No:020-25821811 (O), Mobile No. 07387380935
E-Mail ID- hef.ofb@nic.in

**Factory Bank Details:** State Bank of India
Bank Account No. 11182905341
IFS Code SBIN0001629
MICR Code 411002005

<table>
<thead>
<tr>
<th>Sl. No</th>
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<th>Material to be tested</th>
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</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Apparatus for Chemical Analysis**</td>
<td>Chemical Analysis (as per JSS 6810-127-199)</td>
<td>4:6 Dinitro Resorcinol</td>
<td>Rs.7601/-</td>
</tr>
<tr>
<td>2</td>
<td>Apparatus for Chemical Analysis**</td>
<td>Chemical Analysis as per IS 2697:1976</td>
<td>Ammonium Bicarbonate</td>
<td>Rs.3584/-</td>
</tr>
<tr>
<td>3</td>
<td>Apparatus for Chemical Analysis**</td>
<td>Chemical Analysis as per JSS 1375-01-2012</td>
<td>CE Crystalline Dense/ CE Dry Dust/ CE Dry</td>
<td>Rs.9724/-</td>
</tr>
</tbody>
</table>
Gran 14/100, CE Dry  
Gran 36/100, CE Dry  
Gran 18/100,

<table>
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</thead>
<tbody>
<tr>
<td>4</td>
<td>Apparatus for Chemical Analysis**</td>
<td>Chemical Analysis as per IND/ME/74 &amp; IND/ME/738 (a)</td>
<td>CE Primer</td>
<td>Rs.1369/-</td>
</tr>
<tr>
<td>5</td>
<td>Apparatus for Chemical Analysis**</td>
<td>Chemical Analysis as per JSS 1376-05-2005</td>
<td>Gun Powder</td>
<td>Rs.500/-</td>
</tr>
<tr>
<td>6</td>
<td>Apparatus for Chemical Analysis**</td>
<td>Chemical Analysis as per IS 1612:1976</td>
<td>Iron Powder</td>
<td>Rs.4900/-</td>
</tr>
<tr>
<td>7</td>
<td>Apparatus for Chemical Analysis**</td>
<td>Chemical Analysis as per JSS 1376-09-2007</td>
<td>Lead Azide</td>
<td>Rs.4480/-</td>
</tr>
<tr>
<td>8</td>
<td>Apparatus for Chemical Analysis**</td>
<td>Chemical Analysis as per IS 1089-1986</td>
<td>Oleum</td>
<td>Rs.2666/-</td>
</tr>
<tr>
<td>9</td>
<td>Apparatus for Chemical Analysis**</td>
<td>Chemical Analysis as per JSS 6810-79-2003</td>
<td>Sodium Azide</td>
<td>Rs.5812/-</td>
</tr>
</tbody>
</table>

** Subject to availability of spare capacity.

Ordnance Factory Dum Dum

Nodal Officer: Mr. Manish Srivastva, WM  
Ordnance Factory Dum Dum  
Jessore Road, Dum Dum  
Kolkata  
PIN - 700028  
West Bengal  
Phone No. 033-25694017, Mobile No. 9830889538  
E-mail ID manishsrivastava.ofb@ofb.nic.in

Factory Bank Details: State Bank of India  
Bank Account No. 1015620165  
IFS Code SBIN0002054  
MICR Code 700002122

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Test Facility</th>
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<tbody>
<tr>
<td>1</td>
<td>Spring Load Tester</td>
</tr>
<tr>
<td>2</td>
<td>Coating Thickness Tester</td>
</tr>
<tr>
<td>3</td>
<td>Magnetic Crack Detector</td>
</tr>
<tr>
<td>4</td>
<td>XRF Machine</td>
</tr>
<tr>
<td>5</td>
<td>Universal Testing Machine**</td>
</tr>
</tbody>
</table>

** Subject to availability of spare capacity.

Ordnance Factory Dehradun

Nodal Officer: Shri Lochan Meena, AWM  
Ordnance Factory Dehradun  
Raipur, PIN - 248008  
Uttaranchal  
Phone No. - 0135-2785231, Mobile No. 9637422268
### Ordnance Factory Bhandara

**Nodal Officer:** Dr. O.S. Mondhe, Jt.GM  
Ordnance Factory Bhandara  
Jawaharnagar  
PIN - 441906  
Maharashtra, India.  
Phone No.07184-275416, 275733  
E-Mail ID osmondhe.ofb@ofb.gov.in

**Factory Bank Details:** State Bank of India  
Bank Account No. 11244620118  
IFS Code SBIN0000328  
MICR Code 441002906

<table>
<thead>
<tr>
<th>Sl. No</th>
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<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Water Proofness Testing Machine</td>
<td>Bundsman Water Repellency Tester &amp; Hydrostatic Pressure Head Tester</td>
<td>--------</td>
<td>Rs.1076/-</td>
</tr>
<tr>
<td>2</td>
<td>Refractive Index Testing Machine</td>
<td>Up to 1.75</td>
<td>Glass</td>
<td>Rs.2151/-</td>
</tr>
<tr>
<td>3</td>
<td>Strain Viewer for Glass</td>
<td>Size : 400X500 (max)</td>
<td>Glass</td>
<td>Rs.359/-</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Equipment/Apparatus for Stability Test**</td>
<td>JSS-1376-11:2008 (for Single Base) (Heat Test, B&amp;J, MVT, Heating Test, TVM, DT, Hanzen)</td>
<td>Single Base &amp; Double Base Propellants</td>
<td>Heat Test &amp; TVM Rs.2500/- each &amp; other test Rs.7000/- each</td>
</tr>
</tbody>
</table>
| 2     | Chemical Analyser**                       | JSS-1376-12:2013 (for Double Base)  
JSG:0116:1996 |                       | Rs.30000/- per sample for Gun Propellant only.  
Rs.30000/- per sample for Cylinder Grain of Gun Propellant & Rs.20000/- per sample Strip/Flake type Propellants.  
Rs.10000/- per sample |
<p>| 3     | Equipment/Apparatus for checking of Physical Parameters** |                       |                       |                     |
| 4     | Calorimetric Apparatus**                 | As per JSS-1376-10:2010, IND/ME/604(f), Explosives (RDX, RDX Compound, PETN, NC, NG, NC-NG Paste etc) |                       | Rs.30000/- per sample |
| 5     | Closed Vessel Testing of Propellants for RF &amp; RV** | -------              | -------               | Rs.75000/- per sample |
| 6     | Apparatus of Chemical Tests**            | As per JSS-1376-10:2010, IND/ME/604(f), Explosives (RDX, RDX Compound, PETN, NC, NG, NC-NG Paste etc) |                       | Rs.30000/- per sample |</p>
<table>
<thead>
<tr>
<th>ID</th>
<th>Description</th>
<th>Code/Reference</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>Apparatus/ Equipment for Chemical Tests **</td>
<td>IND-ME-799-(A)</td>
<td>Pentaerythritol, Rs.2000/- per sample</td>
</tr>
<tr>
<td>8</td>
<td>Apparatus/ Equipment for Chemical Tests **</td>
<td>JSS-9810-39-2013</td>
<td>Hexamine, Formaldehyde &amp; Purity Rs.5000/- per sample &amp; other test Rs.2000/- per sample</td>
</tr>
<tr>
<td>9</td>
<td>Apparatus/ Equipment for Chemical Tests **</td>
<td>IS-3366-1973</td>
<td>Ether Solvent, Rs.2000/- per sample</td>
</tr>
<tr>
<td>10</td>
<td>Apparatus/ Equipment for Chemical Tests **</td>
<td>JSS-9810-111-2007</td>
<td>Litharge, Rs.2000/- per sample</td>
</tr>
<tr>
<td>11</td>
<td>Apparatus/ Equipment for Chemical Tests **</td>
<td>CS-2163</td>
<td>Tin Powder, Rs.2000/- per sample</td>
</tr>
<tr>
<td>12</td>
<td>Apparatus/ Equipment for Chemical Tests **</td>
<td>Pascal-F</td>
<td>Calcium Carbonate, Rs.5000/- for purity &amp; for other test Rs.2000/- per test</td>
</tr>
<tr>
<td>13</td>
<td>Apparatus/ Equipment for Chemical Tests **</td>
<td>JSS-6810-145-2013</td>
<td>Basic Lead Stearate, Rs.2000/- per test</td>
</tr>
<tr>
<td>14</td>
<td>Apparatus/ Equipment for Chemical Tests **</td>
<td>JSS-6810-81-</td>
<td>Carbon Black, For sulphur &amp; Iodine Rs.5000/- each &amp; for other test Rs.2000/- each test</td>
</tr>
<tr>
<td>15</td>
<td>Apparatus/ Equipment for Chemical Tests **</td>
<td>JSS-6810-110-2011</td>
<td>Potassium Sulphate, Rs.2000/- per test</td>
</tr>
<tr>
<td>16</td>
<td>Apparatus/ Equipment for Chemical Tests **</td>
<td>JSS-1375-04-2012</td>
<td>Nitroglycerine, For nitrogen Rs.5000/- V.M.H.T. Al. Rs.2000/- each</td>
</tr>
<tr>
<td>17</td>
<td>Apparatus/ Equipment for Chemical Tests **</td>
<td>IS-323-1959</td>
<td>Rectified Sprit, Rs.2000/- each for specific gravity &amp; acidity</td>
</tr>
<tr>
<td>18</td>
<td>Apparatus/ Equipment for Chemical Tests **</td>
<td>IS-9591-1996</td>
<td>Esters (DAP, DBP, DEP, DOA), Water content &amp; purity Rs.5000/- each &amp; other tests Rs.2000/- each test</td>
</tr>
<tr>
<td>19</td>
<td>Apparatus/ Equipment for Chemical Tests **</td>
<td>IS-1504-1996</td>
<td>Bees Wax, For saponification value Rs.5000/- &amp; other test Rs.2000/- each</td>
</tr>
<tr>
<td>20</td>
<td>Apparatus/ Equipment for Chemical Tests **</td>
<td>IS-534-1992</td>
<td>Benzene, Rs.2000/- per test</td>
</tr>
<tr>
<td>21</td>
<td>Apparatus/ Equipment for Chemical Tests **</td>
<td>JSS-9310-06-2002</td>
<td>Paper white fine Ammunition, Rs.2000/- per test</td>
</tr>
<tr>
<td></td>
<td>Apparatus/ Equipment for Chemical Tests **</td>
<td>JSS-1222-1968</td>
<td>Paper &amp; Board Corrugated Ammunition, Rs.2000/- per test</td>
</tr>
<tr>
<td>22</td>
<td>Apparatus/ Equipment for Chemical Tests **</td>
<td>JSS-1370-03-2002</td>
<td>Alluminium Powder Heavy Gr-I, For aluminium content Rs.5000/- &amp; for other test Rs.2000/- each</td>
</tr>
<tr>
<td>23</td>
<td>Apparatus/ Equipment for Chemical Tests **</td>
<td>JSS-9310-01-2007</td>
<td>Mill Board, Rs.2000/- each test</td>
</tr>
<tr>
<td>24</td>
<td>Apparatus/ Equipment for Chemical Tests **</td>
<td>JSS-9160-08-2010</td>
<td>Candeleggla Wax, Rs.2000/- each test</td>
</tr>
<tr>
<td>25</td>
<td>Apparatus/ Equipment for Chemical Tests **</td>
<td>IND/ME/800</td>
<td>Cotton Yarn NE 30/2, Cotton Yarn 2/2, Cotton Cambric, Rs.2000/- each test</td>
</tr>
<tr>
<td>No.</td>
<td>Description</td>
<td>Code/Reference</td>
<td>Item Description</td>
</tr>
<tr>
<td>-----</td>
<td>--------------------------------------------------</td>
<td>-------------------------</td>
<td>--------------------------------------------------------</td>
</tr>
<tr>
<td>26</td>
<td>Apparatus/ Equipment for Chemical Tests **</td>
<td>IND/ME/221</td>
<td>Cloth Viscose</td>
</tr>
<tr>
<td>27</td>
<td>Apparatus/ Equipment for Chemical Tests **</td>
<td>IS 3255-1979</td>
<td>Tape cotton Red/White</td>
</tr>
<tr>
<td>28</td>
<td>Apparatus/ Equipment for Chemical Tests **</td>
<td>IS 13262-1992</td>
<td>Tape Pressure Sensitive with Plastic Base</td>
</tr>
<tr>
<td>29</td>
<td>Apparatus/ Equipment for Chemical Tests **</td>
<td>IND/ME/973</td>
<td>Cloth Acrylic Rayon Gr. A &amp; B</td>
</tr>
<tr>
<td>30</td>
<td>Apparatus/ Equipment for Chemical Tests **</td>
<td>IS 1397-1990</td>
<td>Cartridging Paper</td>
</tr>
<tr>
<td>31</td>
<td>Apparatus/ Equipment for Chemical Tests **</td>
<td>IS 1540</td>
<td>Quick Lime</td>
</tr>
<tr>
<td>32</td>
<td>Apparatus/ Equipment for Chemical Tests **</td>
<td>IS-5430-1981</td>
<td>Rubber Latex</td>
</tr>
<tr>
<td>33</td>
<td>Apparatus/ Equipment for Chemical Tests **</td>
<td>IS-70-1980</td>
<td>Cuprous Oxide</td>
</tr>
<tr>
<td>34</td>
<td>X-Ray Testing**</td>
<td>HEMRL/SRP/PS/272, IS:2595:1978</td>
<td>Propellant for Konkur Booster,</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Propellant for 68mm, Propellant for Pechora,</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Propellant for RGB-60, Propellant for RGB-12,</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Propellant for PZM, Propellant for SSEC,</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Propellant for BPC-4W-20, Propellant for EDB,</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>Propellant for Mohini, Propellant for Helina,</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Propellant for 140mm Ninad, Propellant for 84mm,</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Propellant for PTA, Propellant for CLMC,</td>
</tr>
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<td></td>
<td></td>
<td></td>
<td>Propellant for LRCR, Propellant for MRCR,</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Propellant for N-33 &amp; N-44</td>
</tr>
</tbody>
</table>

** Subject to availability of spare capacity.
Machine Tool Prototype Factory, Ambarnath

Nodal Officer: Ms. Dilip Parmar, AWM
Machine Tool Prototype Factory
Ordnance Estate, Ambarnath(W)
Distt: Thane, PIN - 421502
Maharashtra
Phone No. 0251-2612725, Mobile No. 9049193667
E-Mail ID dilip.parmar@ofb.net

Factory Bank Details: State Bank of India
Bank Account No. 37030449413
IFS Code SBIN0001040
MICR Code 40002131

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Test Facility</th>
<th>Test / Specifications</th>
<th>Material to be tested</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Floating Bench Micrometer**</td>
<td>Inspection of Screw plug gauge and plain plug gauge ( Range 0 to 100 mm, Accuracy-0.0002)</td>
<td>------</td>
<td>Rs.125/- per dimension</td>
</tr>
</tbody>
</table>

** Subject to availability of spare capacity
Note: The above rates are exclusive of taxes and will be charged extra as applicable.

Grey Iron Foundry, Jabalpur

Nodal Officer: Shri S.S. Khandale, AWM
Grey Iron Foundry
P.O - VFJ Estate
Distt. Jabalpur
PIN- 482009 Madhya Pradesh
Phone No: 0761 – 2766424, Mobile No. 09407823427
FAX : 0761 – 2330517
E-Mail ID sskhandale123@gmail.in

Factory Bank Details: State Bank of India
Bank Account No. 10571782265
IFS Code SBIN0003228
MICR Code 482002006

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Test Facility</th>
<th>Test / Specifications</th>
<th>Material to be tested</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Testing Apparatus for determination of ingredients</td>
<td>Determination of ingredients</td>
<td>Bituminous coal</td>
<td>Rs.1750/-</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Bentonite</td>
<td>Rs.7000/-</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Refractory material</td>
<td>Rs.5000/-</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Dextrin</td>
<td>Rs.7000/-</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Sodium silicate</td>
<td>Rs.2100/-</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Phosphating solution</td>
<td>Rs.300/-</td>
</tr>
<tr>
<td>2</td>
<td>Metallurgical Microscope</td>
<td>Metallographic structure</td>
<td>Ferrous</td>
<td>Rs. 3000/-</td>
</tr>
<tr>
<td>3</td>
<td>Spectrometric Analyzer</td>
<td>(as per IS 15338 : 2003)</td>
<td>Ferrous</td>
<td>Rs. 350/- per element</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Rs.1000/- (4 or more element)</td>
</tr>
<tr>
<td>4</td>
<td>Testing Apparatus for testing of Paints</td>
<td>Testing of Paints</td>
<td>Paints</td>
<td>Rs. 10000/-</td>
</tr>
</tbody>
</table>

Engine Factory Avadi

Nodal Officer: Smt. Sophia Varghese, Jt.GM
### Engine Factory Avadi, Ministry of Defence, Avadi, Chennai – 600054.
Phone No.: 044-26845110/1799, Mobile No. 9445048404
Fax No. 04426840437
Email: efa.ofb@nic.in

**Factory Bank Details:** State Bank of India
Bank Account No. 10372386687
IFS Code SBIN0004675
MICR Code 600002073

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Test Facility</th>
<th>Test / Specifications</th>
<th>Material to be tested</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Metallurgical Microscope</td>
<td>General Microstructure/Macrostructure Analysis (as per IS-11371:1985(Steels) /IS-12573 :2010(Aluminium) )</td>
<td>Ferrous &amp; Al. Alloys</td>
<td>Rs. 623/-</td>
</tr>
</tbody>
</table>

**Note:** The above rates are exclusive of taxes and will be charged extra as applicable.

### Heavy Vehicles Factory, Avadi

**Nodal Officer:** Shri B. Senthil Kumar, WM
Heavy Vehicle Factory
Avadi, Chennai
Pin Code - 600054
Tamil Nadu
Phone No: 044-26843098
E-Mail ID hvf.ofb@nic.in

**Factory Bank Details:** State Bank of India
Bank Account No. 10372386698
IFS Code SBIN0004675
MICR Code 600002073

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Test Facility</th>
<th>Test / Specifications</th>
<th>Material to be tested</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Rubber Polymer Identifier</td>
<td>Rubber Polymer Identification ( As per ASTM –E 334/D3677)</td>
<td>Rubber</td>
<td>Rs.960/-</td>
</tr>
<tr>
<td>2</td>
<td>Erickson Cupping Test Machine</td>
<td>Erickson Cupping Test for Sheets (As per IS: 10175-pt-1)</td>
<td>---------</td>
<td>Rs.971/</td>
</tr>
<tr>
<td>3</td>
<td>Eddy Current Sorter</td>
<td>As per equipment manual (HVF A 149)</td>
<td>---------</td>
<td>Rs.1274/-</td>
</tr>
<tr>
<td>4</td>
<td>Compression and Tension Testing Machine</td>
<td>(Load Vs. Deflection Test)Compression Springs/Extension Springs (as per IS–7906 / IS–7906)</td>
<td>Low Alloy Steels</td>
<td>Compression-Rs.936/- Tension-Rs.936/- Torsion-Rs.1111/-</td>
</tr>
<tr>
<td>5</td>
<td>Rubber Hardness Shore A(T)</td>
<td>Rubber Hardness test (as per IS:3400)</td>
<td>Rubber</td>
<td>Rs.468/-</td>
</tr>
<tr>
<td>6</td>
<td>Rubber Accelerated Aging Test (T)</td>
<td>Rubber Accelerated Aging Test (as per IS: 3400 pt. 4-2012)</td>
<td>Rubber</td>
<td>Rs.1590/-</td>
</tr>
<tr>
<td>7</td>
<td>Metallurgical Microscope</td>
<td>Microscopic Examination(Grain size)</td>
<td>Ferrous</td>
<td>Rs.2042/-</td>
</tr>
<tr>
<td>Sl. No</td>
<td>Test Facility</td>
<td>Test / Specifications</td>
<td>Material to be tested</td>
<td>Rate</td>
</tr>
<tr>
<td>--------</td>
<td>-------------------------------</td>
<td>---------------------------------------------------------------------</td>
<td>-----------------------</td>
<td>--------</td>
</tr>
<tr>
<td>1</td>
<td>Micro Testing</td>
<td>Estimation of grain size (as per IS 4748-2009)</td>
<td>Metals and Alloys</td>
<td>Rs.1100/-</td>
</tr>
</tbody>
</table>

**Rifle Factory Ishapore**

**Nodal Officer:** Shri Anupam Ghosh, JWM  
Rifle Factory Ishapore  
P.O. - Ichapur- Nawabganj  
Distt. 24 Parganas (North)  
PIN- 743144 West Bengal.  
Phone No: 033 – 25963516, Mobile No. 91639493  
FAX: 033 - 25937200  
E-mail ID: rfiqcml.ofb@ofb.gov.in

**Factory Bank Details:** State Bank of India  
Bank Account No. 11278710309  
IFS Code SBIN0000029  
MICR Code 700002214

**Ordnance Factory Badmal, Bolangir**

**Nodal Officer:** Shri Mohan Agrawal, WM  
Ordnance Factory Badmal  
At/PO. BADMAL  
DIST. BOLANGIR  
PIN - 767070  
Orissa, India.  
Phone No: 06655-252032, Mobile No. 8763825735  
Fax No. 06655-250561, 250271  
E-Mail ID qaofbol.ofb@ofb.gov.in

**Factory Bank Details:** State Bank of India  
Bank Account No. 10793974179  
IFS Code SBIN0008703
<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Test Facility</th>
<th>Test / Specifications</th>
<th>Material to be tested</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Chemical Analyzer**</td>
<td>Chemical Analysis as per GOST:1905-69/ JSS: 1376-09-1994/ JSS:1975-06:2005.</td>
<td>Dex. Lead Azide Pure Lead Azide Lead Styphnate</td>
<td>Rs.5760/- Rs.5760/- Rs.5760/-</td>
</tr>
<tr>
<td>2</td>
<td>Chemical Analyzer**</td>
<td>Chemical Analysis as per IND/ME/993, IND/ME/992, IND/ME/820.</td>
<td>S-243 Composition BT-4 Composition ME-412 Composition</td>
<td>Rs.5760/- Rs.3840/- Rs.3840/-</td>
</tr>
<tr>
<td>5</td>
<td>Chemical Analyzer**</td>
<td>Chemical Analysis as per JSS: 8010-63:2004</td>
<td>APC (Shellac Based) APC-201, 202, 211, 218, 222-226/ Sodium Azide/ Lead Nitrate/ Sodium Nitrite/ AGS Soln for TZ/ Magnesium Styphnate/ Sodium Azide/ Lead Acetate</td>
<td>Rs.5760/- Rs.3840/-</td>
</tr>
<tr>
<td>6</td>
<td>Chemical Analyzer**</td>
<td>Chemical Analysis as per JSS:1370-03:2007</td>
<td>Al. Powder Heavy Gr.-I</td>
<td>Rs.9600/-</td>
</tr>
<tr>
<td>9</td>
<td>Chemical Analyzer**</td>
<td>Chemical Analysis as per ID 380:1978</td>
<td>Talc Powder</td>
<td>Rs.3840/-</td>
</tr>
<tr>
<td>10</td>
<td>Chemical Analyzer**</td>
<td>Chemical as per JSS:6810:133:2001</td>
<td>Zinc Stearate</td>
<td>Rs.5760/-</td>
</tr>
</tbody>
</table>

** Subject to availability of spare capacity
### Ordnance Factory Dehu Road, Pune

**Nodal Officer:** Shri Niranjan Yadav, Jt.GM  
Ordnance Factory Dehu Road  
PIN - 412101  
Maharashtra  
Phone No: 020-27167211, Mobile No. 9403171115  
E-Mail Niranjan . Yadav @ofb.net

**Factory Bank Details:**  
State Bank of India  
Bank Account No. 11217965270  
IFS Code SBIN0000569  
MICR Code 411002031

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Testing / Calibration Facility</th>
<th>Test / Specifications</th>
<th>Material to be tested</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Illumination Calorimeter C-3300**</td>
<td>Full screen 70mm dia L - 1333 cd/meter square</td>
<td>-------</td>
<td>Rs.1976/-</td>
</tr>
<tr>
<td>2</td>
<td>Bump Test ** Model DBTM - 1510</td>
<td>04 Input channels 1 to 100 pc/g for Igniter bumb</td>
<td>-------</td>
<td>Rs.1904/-</td>
</tr>
<tr>
<td>3</td>
<td>Environmental Test Chamber** Hot &amp; Cold Chamber Make - Classic</td>
<td>Hot upto 70 degree celcius Cold upto - 50 degree celcius</td>
<td>-------</td>
<td>Rs.9665/-</td>
</tr>
<tr>
<td>4</td>
<td>Dead Weight Pressure Gauge Tester **</td>
<td>for checking of pressure gaugesL.P. - 1 to 65 kg/cm squareH.P. - 60 to 700 kg/cm squareAccuracy - + 0.1% gauges</td>
<td></td>
<td>Rs.853/-</td>
</tr>
<tr>
<td>5</td>
<td>Dead Weight Vacuum Gauge Tester **</td>
<td>for checking of Vacuum gauges.- 50 to -710 mmHgAccuracy +0.1% gauges</td>
<td></td>
<td>Rs.853/-</td>
</tr>
<tr>
<td>6</td>
<td>Mass Standard &amp; Balance of Appropriate accuracy **</td>
<td>for calibration of weight boxup to 200gm (F2 class)1 mg to 200 gmF1 class</td>
<td></td>
<td>Rs.2560/-</td>
</tr>
<tr>
<td>7</td>
<td>Analytical Weighing Balance**</td>
<td>Standard steel weights for calibration of Analytical Weighing Balance1 mg to 200 gmF1 class</td>
<td></td>
<td>Rs.2560/-</td>
</tr>
</tbody>
</table>

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**Sl. No**

**Testing / Calibration Facility**

**Test / Specifications**

**Material to be tested**

**Rate**
<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Test Facility</th>
<th>Test / Specifications</th>
<th>Material to be tested</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Ultrasonic Flaw Detector</td>
<td>Ultrasonic detection of Internal Flaws, Surface &amp; Sub-Surface Flaws</td>
<td>Metallic Material Component &amp; Forgings</td>
<td>Rs.2000/-</td>
</tr>
</tbody>
</table>

**Vibration Testing Machine**

(Upto synchronised channels frequency range 1 Hz to 5000 Hz for random & size)

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**Subject to availability of spare capacity**

Note: The above rates are exclusive of taxes and will be charged extra as applicable.

**Gun Carriage Factory, Jabalpur**

Nodal Officer: Shri. Harshit Agarwal,AWM
Gun Carriage Factory
Distt.- Jabalpur, PIN- 482075 Madhya Pradesh.
Phone No: 0761- 2712463
Fax : 0761-2331495
E-Mail ID: harshitagrarwal.ofb@ofb.gov.in

Factory Bank Details: Central Bank of India
Bank Account No. 1540221697
IFS Code CBIN0280742
MICR Code 482016007

---

**Ordnance Parachute Factory, Kanpur**

Nodal Officer: Shri Sunil Chaturvedi, Jt.GM
Ordnance Parachute Factory
Kanpur, Uttar Pradesh
Pin - 208004
Phone No. 0512-2327901-03
Mobile No. 08081116957, 8004938536
Fax No. 0512-2321436
E-mail ID: sunilchaturvedi786@rediffmail.com

Factory Bank Details: State Bank of India
Bank Account No. 30093790846
IFS Code SBIN0001692
MICR Code 208002018

<table>
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<tr>
<th>Sl. No</th>
<th>Test Facility</th>
<th>Test / Specifications</th>
<th>Material to be tested</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Reciprocating Movement Tester for Zip</td>
<td>Reciprocating Movement Test (as per IS:1481 (Part-2):2002)</td>
<td>Plastic slide fasteners</td>
<td>Rs.576/-</td>
</tr>
<tr>
<td>Sl. No</td>
<td>Test Facility</td>
<td>Test / Specifications</td>
<td>Material to be tested</td>
<td>Rate</td>
</tr>
<tr>
<td>-------</td>
<td>---------------------</td>
<td>-------------------------------------------------</td>
<td>--------------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>1</td>
<td>Chemical Analyzer</td>
<td>Strength % min. Free SO₂ % min. (as per IS:1089-1986)</td>
<td>Oleum for the mfr. of mixed acid for NG</td>
<td>Rs.5135/-</td>
</tr>
<tr>
<td>2</td>
<td>Chemical Analyzer</td>
<td>Strength of A&amp;B (as per IS:266-1993)</td>
<td>Concentrate Sulphuric Acid Technical A&amp;B</td>
<td>Rs.5135/-</td>
</tr>
<tr>
<td>3</td>
<td>Chemical Analyzer</td>
<td>Weak Nitric Acid (as per IS:264-1976)</td>
<td>Strength % as HNO₃</td>
<td>Rs.5135/-</td>
</tr>
<tr>
<td>4</td>
<td>Chemical Analyzer</td>
<td>Residual Sulphuric Acid (as per IS:266-1993)</td>
<td>Strength % as H₂SO₄</td>
<td>Rs.5135/-</td>
</tr>
<tr>
<td>5</td>
<td>Chemical Analyzer</td>
<td>Strong Nitric Acid Technical grade A,B &amp; C (as per IS:264-1976)</td>
<td>Strength as Nitric Acid % Nitrous content %</td>
<td>Rs.5135/-</td>
</tr>
<tr>
<td>6</td>
<td>Chemical Analyzer**</td>
<td>Chemical analysis as per JSS-6810-95-2007 JSS-6810-110-2011 IS-229-1993 IS 301-1982 JSS-9620-01-2001</td>
<td>Guanidine Nitrate Potassium Sulphate Ethyl Acetate Potassium Nitrate Graphite</td>
<td>Rs.21056/- Rs.32484/- Rs.21656/- Rs.43012/- Rs.20856/-</td>
</tr>
</tbody>
</table>

** Subject to availability of spare capacity.

Ordnance Factory Itarsi

Nodal Officer: Shri Shekhar Pandey, AWM
Ordnance Factory, Itarsi (M.P)
Phone No. 07572232131
E-mail I.D shekharpandey.ofb@ofb.gov.in

Factory Bank Details: Central Bank of India
Bank Account No. 1785446884
IFS Code CBIN0282078
MICR Code 461016001

Ordnance Factory Katni

Nodal Officer: Shri J.B.Meshram, Jt. GM
Ordnance Factory Katni
PIN - 483503
Madhya Pradesh, India.
Phone No: 07622-227849, Mobile No. 9098804247
Fax No: 07622-224082, 221605
E-mail ID: jbmeshram.ofb@nic.in

Factory Bank Details: State Bank of India
Bank Account No. 10589587208
IFS Code SBIN0000405
### Metal And Steel Factory, Ishapore

**Nodal Officer:**  Dr. R.N.Jha, DGM  
Metal and Steel Factory  
P.O. - Ichapur- Nawabganj  
PIN- 743144 West Bengal.  
Phone No: 033-25938400, Mobile No. 9831269580  
E-mail ID: raghanandanjha.ofb@ofb.gov.in

**Factory Bank Details:**  
Bank of India  
Bank Account No. 11278710321  
IFS Code: SBIN000029

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Test Facility</th>
<th>Test / Specifications</th>
<th>Material to be tested</th>
<th>Rate</th>
</tr>
</thead>
</table>
| 1     | Metallographic testing Machine | Macro etch test for Cu & its alloys  
|       |               | Micro structural analysis of Cu & its alloys | Non-Ferrous Material | Rs. 3382/- |
| 2     | Non Destructive Testing Machine | Radiographic test (as per IS 2595-1978) | Non-Ferrous Material | Rs.1231/- |

**Small Arms Factory, Kanpur**

**Nodal Officer:**  Shri B.Mishra, AWM  
Small Arms Factory  
Kalpi Road, Kanpur  
PIN - 208009  
Uttar Pradesh  
Phone No: 0512-2222980, Mobile No. 9455360066  
Fax No. 033-22107629  
E-Mail ID: bmishra.100@gmail.com

**Factory Bank Details:**  
UCO Bank  
Bank Account No. 0384020000150

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Test Facility</th>
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<th>Material to be tested</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Fracture Toughness Testing Machine</td>
<td>Fracture Toughness Test 9 (as per ASTM E 399-09 &amp;ASTM E 1820-09)</td>
<td>Gun Barrel/ High Strength Alloy Steel Material</td>
<td>Rs 3300/-</td>
</tr>
<tr>
<td>2</td>
<td>Metallurgical Microscope</td>
<td>Macro Examination, Grain Size, Micro structure (as per IS: 13015-1991&amp;IS 13484:1992)</td>
<td>Steel &amp; Brass Sample</td>
<td>Rs.1595/-</td>
</tr>
<tr>
<td>3</td>
<td>Chemical Analyser**</td>
<td>Arsenic (As)/ Antimony (Sb) (As per ASTM E-415 &amp; 1086)</td>
<td>Water</td>
<td>Rs 785/-</td>
</tr>
</tbody>
</table>

**Subject to availability of spare capacity.**
<table>
<thead>
<tr>
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<th>Material to be tested</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Chrome Plating**</td>
<td>Analysis of Chrome Plating Solution</td>
<td>Hexavalent, Trivalent, Total Sulphate, Total Oxide, Iron Oxide</td>
<td>Rs.4500/-</td>
</tr>
<tr>
<td>2</td>
<td>Testing Apparatus for determination of Ingredients**</td>
<td>Determination of Ingredients</td>
<td>Phosphating solution.</td>
<td>Rs.500/-</td>
</tr>
<tr>
<td>3</td>
<td>Crack Detection **</td>
<td>Magnetic particle inspection</td>
<td>----------</td>
<td>Rs.500/-</td>
</tr>
<tr>
<td>4</td>
<td>Spring Load Testing Facility**</td>
<td>Load Testing Spring</td>
<td>Spring</td>
<td>Rs.200/-</td>
</tr>
</tbody>
</table>

** Subject to availability of spare capacity.

** Opto Electronics Factory, Dehradun

** Nodal Officer: Shri S.K. Ukil, AWM

Opto Electronics Factory
Raipur, Dehradun
PIN - 248008
Uttaranchal
Phone No.0135-2789769, Mobile No. 9411106957
Fax No. 0135-2787181
E-Mail ID olf.ofb@nic.in

** Factory Bank Details: State Bank of India
Bank Account No. 10202561269
IFS Code SBIN0003058
MICR Code 248002014

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<table>
<thead>
<tr>
<th>Sl. No</th>
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<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Hot &amp; Cold Chambers</td>
<td>Chamber Work Space/Size : 95 cm X 110cm X 95cm Capacity : 1000 liters Testing Range : -40°C &amp; +180°C</td>
<td>----------</td>
<td>Rates/hour Rs.712/-</td>
</tr>
<tr>
<td>2</td>
<td>Hot &amp; Cold Chambers</td>
<td>Chamber Work Space/Size : 3000 mm X 2000mm X 2000mm Capacity : 12000 liters Testing Range : -50°C &amp; +120°C</td>
<td>----------</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Thermal Shock Chambers</td>
<td>Chamber Work Space/Size : 1000 mm X 1000mm X 1000mm Capacity : 1000 litres Testing Range : Humidity - 30% to 98% Temperature : +20°C to +60°C</td>
<td>----------</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Vibration Testing Machine</td>
<td>Maximum load capacity = 280 Kg at 5 ‘g’</td>
<td>----------</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Vertical Impact Testing Machine</td>
<td>Maximum load capacity = 250 Kg at 150 ‘g’</td>
<td>----------</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>3-D Impact Testing Machine</td>
<td>Maximum load capacity = 150 Kg at 100 ‘g’</td>
<td>----------</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Optical bench</td>
<td>Resolving Power,Focal Length (100 mm to 1000 mm) Optical instrument, lens, &amp; prism</td>
<td>Rs.613/- each</td>
<td></td>
</tr>
</tbody>
</table>
78 Theodolite Angle Measurement (1 to 360°)  
---  
Rs.18284/-

9 Collimeter Light Transmission(4000 nm to 7000 nm)  
mirror, glass plate, optical devices, lens, prism  
Rs.613/-

10 Diopter Lens Set Measurement of Diopter(+/- 0.5 Diopter to +/- 5 Diopter)  
Lens  
Rs.5482/-

Ordnance Factory Ambernath

Nodal Officer: Shri G. Ravi Kumar Iyer, AWM
Ordnance Factory Ambernath
Kalyan - Badlapur Road,
Dist: Thane
Maharashtra - 421502
Ph: (0251) 2616389, Mobile No. 7775046925
Email ID gellanki@yahoo.in

Factory Bank Details: State Bank of India
Bank Account No. 00000010844194127
IFS Code SBIN0001040
MICR Code 400002131

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Test/Calibration Facility</th>
<th>Test /Calibration/ Specifications</th>
<th>Material to be tested</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Stereo Microscope</td>
<td>Macroscopic Examination (as per IS 12573 – 1988&amp;ASTM E 112 – 2012)</td>
<td>Non-Ferrous</td>
<td>Rs.1500/-</td>
</tr>
<tr>
<td>2</td>
<td>Metallurgical Microscope</td>
<td>Microscopic Examination (Grain size Estimation) (as per IS 4748-2009)</td>
<td>Ferrous</td>
<td>Rs.2000/-</td>
</tr>
<tr>
<td>3</td>
<td>Salt spray Apparatus</td>
<td>Apparatus Corrosion Resistance</td>
<td>Ferrous</td>
<td>For 24 hrs. Rs.1000/- per sample</td>
</tr>
<tr>
<td>4</td>
<td>Ultrasonic Flaw Detector</td>
<td>Ultrasonic Test (upto 5 meters length)</td>
<td>------</td>
<td>Sample of simple Geometry Rs.1000/-</td>
</tr>
<tr>
<td>5</td>
<td>Slip Gauges &amp; Instruments</td>
<td>Calibration of Gauges</td>
<td>------</td>
<td>Rs.3810/-</td>
</tr>
<tr>
<td>6</td>
<td>Plug Gauges</td>
<td>Calibration of Chamber Gages</td>
<td>------</td>
<td>Rs.18287/-</td>
</tr>
<tr>
<td>7</td>
<td>Slip Gauges</td>
<td>Calibration of Instruments</td>
<td>------</td>
<td>Rs.1524/-</td>
</tr>
<tr>
<td>8</td>
<td>Dial Testing Machine</td>
<td>Calibration of Dial gauge</td>
<td>------</td>
<td>Rs.762/-</td>
</tr>
<tr>
<td>9</td>
<td>Shadow Graph Machine</td>
<td>Checking of Form</td>
<td>------</td>
<td>Rs.381/-</td>
</tr>
<tr>
<td>10</td>
<td>Floating Micrometer</td>
<td>Checking of Screws</td>
<td>------</td>
<td>Dies (Taper)- Rs.27430/- Punch-RS.5334/- Profile of Threat- Rs.582/-</td>
</tr>
</tbody>
</table>

Note: The above rates are exclusive of taxes and will be charged extra as applicable.

Ordnance Factory Tiruchirappalli

Nodal Officer: Smt. S. Ramakrishnan, WM
Ordnance Factory Tiruchirappalli
PIN- 620016 Tamilnadu.
Phone No: 0431 – 2581291 to 96 (6 lines)(Extn-238), Mobile No. 9710117868
**Heavy Alloy Penetrator Project, Tiruchirappalli**

**Nodal Officer:** Shri R. V. Dwarakanathan, HOS/QA Section, Heavy Alloy Penetrator Project, Tiruchirappalli, PIN – 620 025, Tamil Nadu, India.

Telephone No: 0431-2581803, Ext. 238.
Telefax No.: 0431-2581891
Email ID: happqa.ofb@ofb.gov.in

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Test Facility</th>
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<th>Material to be tested</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Optical Emission Spectrometer</td>
<td>Chemical Analysis (as per IS 8811:1998 / IS 9879:1998)</td>
<td>Low Alloy Steel &amp; Plain Carbon Steel/ Stainless Steel</td>
<td>Rs.2550/-</td>
</tr>
<tr>
<td>2</td>
<td>Universal Testing Machine</td>
<td>Ultimate Tensile Strength/ Yield Strength/ % of Elongation/ % of Reduction in C/S Area (as per IS-1608 : 2005)</td>
<td>Ferrous &amp; Non Ferrous</td>
<td>Rs.2550/-</td>
</tr>
<tr>
<td>3</td>
<td>Hardness Testing Machine</td>
<td>Hardness (Brinell) (as per IS 1500 Pt 1 2013)</td>
<td>Ferrous &amp; Non Ferrous ( C )</td>
<td>Rs.1500/-</td>
</tr>
</tbody>
</table>

**Vehicle Factory, Jabalpur**

**Nodal Officer:** Shri. V.K.Gupta, JWM
Vehicle Factory Jabalpur, PIN- 482009, Madhya Pradesh.
Phone No: 0761- 2792655
FAX: 0761-2330436
Email ID: mtdvfj044@gmail.com

**Factory Bank Details: Central Bank of India**
Bank Account No. 3286524845
IFS Code CBIN0280742
MICR Code 482016007

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Test /CalibrationFacility</th>
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</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Compression and Tension Testing Machine**</td>
<td>(Load Vs. Deflection Test)Compression Springs/Extension Springs (as per IS–7906, IS–7907</td>
<td>Compression and Tension Testing Machine</td>
<td>Rs.475/-</td>
</tr>
<tr>
<td>Sl. No</td>
<td>Test Facility</td>
<td>Test / Specifications</td>
<td>Material to be tested</td>
<td>Rate</td>
</tr>
<tr>
<td>-------</td>
<td>----------------------------------------</td>
<td>---------------------------------------------------------------------------------------</td>
<td>-------------------------------------</td>
<td>-------------------------------------------</td>
</tr>
<tr>
<td>1</td>
<td>Wet Analyzer</td>
<td>Chemical Analysis (as per IS 228 (Pt.1,2,3,5,6,8,9)'87)</td>
<td>Steel borings/ Plane Carbon/ Low Alloy Steel</td>
<td>Rs 1000/- per element + GST as applicable</td>
</tr>
<tr>
<td>2</td>
<td>Optical Emission Spectrometer**</td>
<td>Chemical Analysis (as per IS 8811: 1988(RA 2012) / ASTM-E-1507-98/ IS: 7658-75)</td>
<td>Ferrous &amp; Its Alloys</td>
<td>Rs 1200/- per element + GST as applicable</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Copper &amp; Its Alloys</td>
<td>Rs 1350/- per element + GST as applicable</td>
</tr>
</tbody>
</table>

** Subject to availability of spare capacity

**Gun & Shell Factory, Cossipore**

**Nodal Officer:** Mr. Mufidul Islam Khan, WM
Gun & Shell Factory, Cossipore,
Kolkata – 700002.
Phone No. 033-25589928, Mobile No. 9445981386
Fax No. 033-25574390
E-mail ID gsfqclab.ofb@ofb.gov.in

**Factory Bank Details:** State Bank of India
Bank Account No. 00000010161080171
IFS Code SBIN0001895
MICR Code 700002074
Aluminum & Its Alloys Rs 1350/- per element + GST as applicable

** Subject to availability of spare capacity

Note: The above rates are exclusive of taxes and will be charged extra as applicable.

** Field Gun Factory, Kanpur

Nodal Officer: Shri Ahtasham Akhtar, Jt.GM
Field Gun Factory Kanpur
Kalpi Road
PIN - 208009
Uttar Pradesh
Phone No: 0512-2212374
E-Mail ID fgkqc.ofb@ofb.gov.in

Factory Bank Details: UCCO Bank
Bank Account No. 03840200000162
IFS Code UCBA0000384
MICR Code 208028007

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Hardness Testing Machine**</td>
<td>Hardness (Vickers/ Brinnel/ Charpy U &amp; V) (as per IS 1501/ IS: 1500 / IS: 1499 &amp; IS:1757)</td>
<td>Metals and Alloys</td>
<td>Brinnel-Rs.519/-</td>
</tr>
<tr>
<td>2</td>
<td>Fracture Toughness Testing Machine **</td>
<td>Fracture Toughness Test (as per ASTME 399)</td>
<td>Gun Barrel/ High Strength Alloy Steel Material</td>
<td>CT(25) Rs.6228/- CT(40) Rs.12457/-</td>
</tr>
</tbody>
</table>

** Subject to availability of spare capacity

** Cordite Factory, Aruvankadu

Nodal Officer: Shri M. Thamizh Selvan, Jt.GM
Cordite Factory Aruvankadu
Aruvankadu, The Nilgiris, PIN - 643202
Tamil Nadu, India.
Phone No. : 0423 – 2230151, Mobile No. 9442661903
Fax: 0423 - 2231923
E-mail ID: mthamizhselvan.ofb@ofb.gov.in

Factory Bank Details: Canara Bank
Bank Account No. 1044201000145
IFS Code CNRB0001044
MICR Code 643015103

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Equipments/Apparatus for Chemical Tests **</td>
<td>JSS 6810:125:2008</td>
<td>Carbamite</td>
<td>Rs.19080/-</td>
</tr>
</tbody>
</table>

** Subject to availability of spare capacity

** Ordnance Clothing Factory Avadi

Nodal Officer: Shri N.N.Sardar, WM
Ordnance Clothing Factory Avadi
Chennai, Tamil Nadu
<table>
<thead>
<tr>
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<th>Material to be tested</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>pH Meter</td>
<td>pH Value (as per IS:1390-1983)</td>
<td>Fabrics / Tapes / Cordages</td>
<td>Rs.390/-</td>
</tr>
<tr>
<td>2</td>
<td>Cone Test Apparatus</td>
<td>Cone Test (as per IS:7941-1976)</td>
<td>Fabric</td>
<td>Rs.640/-</td>
</tr>
<tr>
<td>3</td>
<td>Chemical Analyzer</td>
<td>Blend Composition% Binary mixture of polyester fibre with cotton (as per IS:3416 – 1988 &amp; IS:2006-1988)</td>
<td>Fabric</td>
<td>Rs.1290/-</td>
</tr>
<tr>
<td>4</td>
<td>Shrinkage Template &amp; Water Try</td>
<td>Shrinkage % After Soaking in Soap Soda Solution (as per App ‘A’ of IND/TC/2089a)</td>
<td>Coated Fabrics</td>
<td>Rs.510/-</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Curing Test Apparatus</td>
<td>Curing Test (as per IS:8543)</td>
<td>Buttons</td>
<td>Rs.260/-</td>
</tr>
<tr>
<td>6</td>
<td>Soxhlet Apparatus</td>
<td>Scouring Loss % (as per IS:1383)</td>
<td>Fabric</td>
<td>Rs.770/-</td>
</tr>
<tr>
<td>7</td>
<td>Microscope</td>
<td>Fibre Identification (as per IS:667-1981)</td>
<td>Sewing Threads / Cordages</td>
<td>Rs.260/-</td>
</tr>
<tr>
<td>8</td>
<td>Magnifier Glass/Counting Glass</td>
<td>Ends &amp; Picks /cm</td>
<td>Fabric/ Tape</td>
<td>Rs.170/-</td>
</tr>
<tr>
<td>9</td>
<td>Mass/Unit Area</td>
<td>IS 1964-2001 method (A) reaffirmed 2006</td>
<td>Fabric</td>
<td>Rs.260/-</td>
</tr>
<tr>
<td>11</td>
<td>Precision Balance 0.1-300g</td>
<td>Mass/Square Meter</td>
<td>Coated Fabric</td>
<td>Rs.260/-</td>
</tr>
<tr>
<td>12</td>
<td>Digital Screw Gauge</td>
<td>Diameter / Overall thickness (as per IS:1461 – 1984)</td>
<td>Buttons</td>
<td>Rs.130/-</td>
</tr>
<tr>
<td>13</td>
<td>Digital Screw Gauge</td>
<td>Thickness, Flap bend test (as per IS:1060-1966, Clause 14.2 of CQA(GS)/US/460), Mass/unit area</td>
<td>Packing Boxes</td>
<td>Rs.130/-</td>
</tr>
<tr>
<td>14</td>
<td>Tensile Testing Machine (Single Yarn)</td>
<td>Shearing Strength (as per IS:8156 -1994)</td>
<td>Fastener Hook &amp; Loop</td>
<td>Rs.260/-</td>
</tr>
<tr>
<td>15</td>
<td>Drape Meter Soxhlet Apparatus</td>
<td>Drape Co-efficient (as per IS : 8357)</td>
<td>Fabric</td>
<td>Rs.260/-</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Water Soluble Matter, Scouring Loss (as per IS:3456 &amp; IS:1383)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: The above rates are exclusive of taxes and will be charged extra as applicable.

**Ordnance Clothing Factory Shahjahanpur**

**Nodal Officer:** Shri Chander Shekhar, Jt.GM
Ordnance Clothing Factory Shahjahanpur
PIN - 242001
Uttar Pradesh, India.
Phone No. 05842-223106 & 05842- 281456  
Mobile No. 9415407268  
Fax No. 91-5842-223328, 281387  
E-mail ID: chandershekhar.ofb@ofb.gov.in

Factory Bank Details: State Bank of India  
Bank Account No. 10998696686  
IFS Code: SBIN0003085  
MICR Code: 242002001

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Test Facility **</th>
<th>Test / Specifications</th>
<th>Material to be tested</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Chemical Analyzer**</td>
<td>Composition Binary mixture of Acrylic (as per IS:3421)</td>
<td>Yarn/Fabric</td>
<td>Rs.1988/-</td>
</tr>
<tr>
<td>2</td>
<td>Dry Wash**</td>
<td>Colour Fastness to Dry Washing (as per IS:4802)</td>
<td>Yarn/Fabric</td>
<td>Rs.1020/-</td>
</tr>
<tr>
<td>3</td>
<td>Digital Wash**</td>
<td>Colour Fastness to Washing (as per IS/ISO 105-C 10:2006)</td>
<td>Yarn/Fabric</td>
<td>Rs.108/- to Rs.1073/-</td>
</tr>
<tr>
<td>4</td>
<td>Hot Pressing**</td>
<td>Colour Fastness to Hot Pressing (as per IS:689)</td>
<td>Yarn/Fabric</td>
<td>Rs.357/-</td>
</tr>
<tr>
<td>5</td>
<td>pH Meter**</td>
<td>pH Value (as per IS:1390)</td>
<td>Yarn/Fabric</td>
<td>Rs.713/-</td>
</tr>
<tr>
<td>6</td>
<td>Leveling Test Equipment**</td>
<td>As per IND/TC/0048 ©</td>
<td>Fabric</td>
<td>Rs.1089/-</td>
</tr>
<tr>
<td>7</td>
<td>Shrinkage Tray**</td>
<td>Relaxation Shrinkage (as per IS:2977&amp; IS:665)</td>
<td>Fabric</td>
<td>Rs.357/-</td>
</tr>
<tr>
<td>8</td>
<td>Magnifier Glass/ Counting Glass**</td>
<td>Ends &amp; Picks /cm, Mass/Unit Area &amp; Breaking Load(Raveled Strip method) (as per IS:1963, IS:1964)</td>
<td>Fabric</td>
<td>Rs.357/-</td>
</tr>
<tr>
<td>9</td>
<td>Demattia flexing Tester**</td>
<td>Mass/Sq Meter (as per IS:7016 (Pt-4)</td>
<td>Fabric</td>
<td>Rs.713/-</td>
</tr>
<tr>
<td>10</td>
<td>Linier Density Measuring Apparatus**</td>
<td>Linier Density as per IS:681</td>
<td>Yarn</td>
<td>Rs.713/-</td>
</tr>
<tr>
<td>11</td>
<td>Bursting Strength Tester **</td>
<td>Bursting Strength as per IS:1966</td>
<td>Fabric</td>
<td>Rs.357/-</td>
</tr>
<tr>
<td>12</td>
<td>Shrinkage Tray**</td>
<td>Relaxation Shrinkage (as per IS:2977)</td>
<td>Fabric</td>
<td>Rs.357/-</td>
</tr>
<tr>
<td>13</td>
<td>Equipment for Testing of Turns/dm**</td>
<td>As per IS:832-1985</td>
<td>Yarn</td>
<td>Rs.357/-</td>
</tr>
<tr>
<td>14</td>
<td>Demattia flexing Tester**</td>
<td>Resistance to Damage by Flexing (as per IS:7016 (Pt-4)-1987)</td>
<td>Fabric</td>
<td>Rs.713/-</td>
</tr>
<tr>
<td>15</td>
<td>Thickness Tester**</td>
<td>Thickness under pressure of 0.7 &amp; 7.0 gm/sq cm, as per IS:7702</td>
<td>Batting Polyester</td>
<td>Rs.357/-</td>
</tr>
<tr>
<td>16</td>
<td>Equipment for Testing of Resistance to Blocking **</td>
<td>As per TSRDE/70/54</td>
<td>Batting Polyester</td>
<td>Rs.1427/-</td>
</tr>
<tr>
<td>17</td>
<td>Equipment for Testing of inter locking of Tex. Chain to Lateral Load**</td>
<td>As per IS: 14181 (Pt-2) Append. B</td>
<td>Garniture</td>
<td>Rs.357/-</td>
</tr>
<tr>
<td>18</td>
<td>Equipment for Testing of Top Stop**</td>
<td>As per IS:14181</td>
<td>Garniture</td>
<td>Rs.357/-</td>
</tr>
<tr>
<td>19</td>
<td>Equipment for Testing of Bottom Stop**</td>
<td>As per IS:14181</td>
<td>Garniture</td>
<td>Rs.357/-</td>
</tr>
</tbody>
</table>
Equipment for Testing of Puller & Slider**
As per IS:14181 Garniture Rs.357/-

Equipment for Testing of Slider to Lock Holding**
As per IS:14181 Garniture Rs.357/-

Equipment for Testing of Fastner**
As per IS:14181 Garniture Rs.357/-

** Subject to availability of spare capacity
Note: The above rates are exclusive of taxes and will be charged extra as applicable.

Ordnance Factory Bhusawal

Nodal Officer: Shri Ankit Durkhure, WM
Ordnance Factory Bhusawal
District Jalgaon
PIN - 425203
Maharashtra,
Phone No: 02582-222431, Mobile No. 8605257131
Fax No. 02582- 223309
E Mail ID: ofbhq.ofb@ofb.gov.in

Factory Bank Details: State Bank of India
Bank Account No. 11043919068
IFS Code SBIN0000335
MICR Code 425002977

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Test Facility</th>
<th>Test / Specifications</th>
<th>Material to be tested</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Hardness Tester**</td>
<td>Hardness of Rubber as per IND/ME/584(f)</td>
<td>Rubber</td>
<td>Rs.405/-</td>
</tr>
<tr>
<td>2</td>
<td>Various Chemical Apparatus **</td>
<td>Viscosity/ Pressure/ Resistance to corrosion &amp; humidity/ Dying Time (as per IS: 101)</td>
<td>Paint</td>
<td>Rs.405/-</td>
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<tr>
<td>3</td>
<td>Scratch Hardness Tester**</td>
<td>Scratch Hardness Test as per IS: 101</td>
<td>Paint</td>
<td>Rs.539/-</td>
</tr>
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<td>4</td>
<td>Flexibility &amp; Adhesion Tester**</td>
<td>As per IS: 101</td>
<td>Paint</td>
<td>Rs.539/-</td>
</tr>
</tbody>
</table>

** Subject to availability of spare capacity

Ordnance Factory Varangaon

Nodal Officer: Shri Vijay Kuraria, WM
Ordnance Factory Varangaon
P.O. - O. F. VARANGAON
DIST: JALGAON
PIN - 425308
Maharashtra, India.
Phone No: 02582-282228, Mobile No. 9407883677
E-Mail ID vijaykuraria1.ofb@gov.in

Factory Bank Details: State Bank of India
Bank Account No. 10530162088
IFS Code SBIN0004819
MICR Code 425002003

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Test Facility</th>
<th>Test / Specifications</th>
<th>Material to be tested</th>
<th>Rate (Rates per sample excluding 18% GST (for Yr.2017-18)</th>
</tr>
</thead>
</table>
1. Apparatus of Chemical Tests (As per IND/ME/960:2014) Primer Rs.18674/-
2. Apparatus of Chemical Tests (As per IND/ME/1020 (PROV):2014 Igniter Composition ME 508/ Sub-Igniter Composition ME 509 for 5.56mm Rs.18674/-
3. Apparatus of Chemical Tests As per IND/ME/749, IND/ME/750/ IND/ME/751 ME-407 for 7.62 mm ME-408 igniter for 7.62 mm ME-409 sub-igniter for 7.62mm Rs.19517/- Rs.22889/- Rs.23732/-
4. Chemical Analyzer ** Strength of A&B (as per IS:266-1993) Concentrate Sulphuric Acid Technical A&B Rs.16693/-
5. Chemical Analyzer** Chemical analysis as per JSS-6810-104-2005 JSS-6810-80-2003 JSS-6810-59:2001 Sodium Nitrite Rs.18746/- Lead Nitrite/ Rs.19527/- Soda Ash Rs.17752/-

** Subject to availability of spare capacity

** Ordnance Cable Factory Chandigarh

Nodal Officer:  Shri Sanjeev Kumar Agrawal, Jt. GM
Ordnance Cable Factory Chandigarh
183, Industrial Area Phase-1
PIN – 160002, Chandigarh
Phone No: 0172-265048, Mobile No. 9599331438
E-Mail ID ocfcqco.ofb@gov.in

Factory Bank Details: State Bank of India
Bank Account No. 36454283020
IFS Code SBIN0001443
MICR Code 160002017

<table>
<thead>
<tr>
<th>Sl.No</th>
<th>Test Facility</th>
<th>Test / Specifications</th>
<th>Material to be tested</th>
<th>Rate/Hour</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Universal Testing Machine</td>
<td>Ultimate Tensile Strength of wires upto 7mm diameter and insulated Cable.</td>
<td>Wire &amp; cable</td>
<td>Rs 1300/-</td>
</tr>
<tr>
<td>2</td>
<td>Torsion Testing Machine</td>
<td>Torsion Strength of metallic wire up to 5mm diameter.</td>
<td>metallic wire</td>
<td>Rs 1300/-</td>
</tr>
<tr>
<td>3</td>
<td>Environmental Test Chamber</td>
<td>Conditioning test in temp range –ve 40°C to +ve180°C</td>
<td>-----</td>
<td>Rs 1100/-</td>
</tr>
<tr>
<td>4</td>
<td>Cold Chamber / Sub-Zero Chamber</td>
<td>Conditioning up to -60°C</td>
<td>-----</td>
<td>Rs 1200/-</td>
</tr>
<tr>
<td>5</td>
<td>Breakdown Tester</td>
<td>High Voltage Test DC: 12KV / AC: 6KV</td>
<td>Cable</td>
<td>Rs 1200/-</td>
</tr>
<tr>
<td>6</td>
<td>IR Measuring Set</td>
<td>Insulation resistance of Cable from 01MΩ to 10 TΩ</td>
<td>Cable</td>
<td>Rs 1100/-</td>
</tr>
<tr>
<td>7</td>
<td>AC HV Test Set</td>
<td>High Voltage test up to 18 KV AC</td>
<td>Cable</td>
<td>Rs 1100/-</td>
</tr>
<tr>
<td>8</td>
<td>Attenuation Measuring Instrument</td>
<td>To measure attenuation constant in Frequency range of 0.2 to 1600 KHz for communication cables</td>
<td>Cable</td>
<td>Rs 1100/-</td>
</tr>
<tr>
<td>9</td>
<td>H.V. Tester</td>
<td>High voltage testing of Cables up to 4.4 KV AC</td>
<td>Cable</td>
<td>Rs 1400/-</td>
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<tr>
<td>10</td>
<td>Mech. Convection Oven</td>
<td>High voltage testing of cables</td>
<td>Cable</td>
<td>Rs 1100/-</td>
</tr>
<tr>
<td>Sl. No</td>
<td>Test Facility</td>
<td>Test / Specifications</td>
<td>Material to be tested</td>
<td>Rate</td>
</tr>
<tr>
<td>-------</td>
<td>---------------</td>
<td>-----------------------</td>
<td>-----------------------</td>
<td>------------</td>
</tr>
<tr>
<td>1</td>
<td>Dessicator, Glassware, Oven &amp; vacuum pump for gravimetric analysis</td>
<td>Volatile Matter</td>
<td>Explosive/ Delay Composition ME-412(M)</td>
<td>Rs.889/-</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Barium Chromate</td>
<td></td>
<td>Rs.1410/-</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Antimony Sulphide</td>
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<td>Rs.4354/-</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Potassium Perchlorate</td>
<td></td>
<td>Rs.1592/-</td>
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<tr>
<td></td>
<td></td>
<td>Nitro Cellulose</td>
<td></td>
<td>Rs.1352/-</td>
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<tr>
<td></td>
<td></td>
<td>(as per IND/ME/820 (a) 2008 DC 3893-ME)</td>
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<tr>
<td>2</td>
<td>Lead Fuze Rolling Equipment</td>
<td>Lead Fuze Burning Test</td>
<td>Gun Powders.</td>
<td>Rs.2995/-</td>
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<tr>
<td>3</td>
<td>Puffing time &amp; Temp. Equipment</td>
<td>Determination of Puffing time and temperature</td>
<td>Cellulose Nitrate sheet as per JSS:1375:03:2011 (Rev 3)</td>
<td>Rs.3779/-</td>
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<tr>
<td>4</td>
<td>Dessicator, Glassware, Oven &amp; vacuum pump for gravimetric analysis</td>
<td>Red Lead</td>
<td>Delay Composition Cu-1, (as per IND/ME/950 (a) (Prov) 2008)</td>
<td>Rs.3515/-</td>
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<tr>
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<td></td>
<td>Ammunition Protective Composition/ Nitrocellulose parts above 100</td>
<td></td>
<td>Rs.1613/-</td>
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<tr>
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<td>Volatile Matter</td>
<td></td>
<td>Rs.927/-</td>
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<tr>
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<td>Zirconium % (by Difference)</td>
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<td>Rs.5744/-</td>
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<tr>
<td>5</td>
<td>Dessicator, Glassware, Oven &amp; vacuum pump for</td>
<td>Volatile Matter %</td>
<td>Smoke Composition R 636 as per IND/ME/1003 (Prov)</td>
<td>Rs.987/-</td>
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<td></td>
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<td>Lead Dioxide %</td>
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<td>Rs.2309/-</td>
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<td></td>
<td></td>
<td>Mg-Al Alloy % (By difference) %</td>
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<td>Rs.2309/-</td>
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<tr>
<td>Test Facility</td>
<td>Test / Specifications</td>
<td>Material to be tested</td>
<td>Rate</td>
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<tr>
<td>---------------</td>
<td>-----------------------</td>
<td>-----------------------</td>
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<tr>
<td>6 Puncture Resistance Taster</td>
<td>Volatile Matter</td>
<td>Paper Board Carton (Booster Composition 50:50 as per IND/ME/990 (Prov))</td>
<td>Rs. 834/-</td>
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<tr>
<td></td>
<td>Nitro Cellulose</td>
<td></td>
<td>Rs.1418/-</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Potassium</td>
<td></td>
<td>Rs.1418/-</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Red Lead</td>
<td></td>
<td>Rs.3439/-</td>
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<tr>
<td></td>
<td>Barium Chromate</td>
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<td>Rs.1435/-</td>
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<tr>
<td></td>
<td>Zirconium + Antimony Sulphide</td>
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<td>Rs.7710/-</td>
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<tr>
<td>7 Dessicator, Glassware, Oven &amp; vacuum pump for gravimetric analysis</td>
<td>Sodium Compound in Gun Powder by Flame Photometer</td>
<td>Gun Powder (as per JSS 1376:05:2005 Rev. No. 2)</td>
<td>Rs.3067/-</td>
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<tr>
<td>8 Dessicator, Glassware, Oven &amp; vacuum pump for gravimetric analysis</td>
<td>Volatile Matter %</td>
<td>Testing of Explosive Delay Composition S1 as per IND/ME/795 (a)</td>
<td>Rs.889/-</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Barium Chromate %</td>
<td></td>
<td>Rs.1417/-</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Antimony Sulphide (by difference) %</td>
<td></td>
<td>Rs.3009/-</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Potassium Perchlorate %</td>
<td></td>
<td>Rs.1592/-</td>
<td></td>
</tr>
</tbody>
</table>

**Ordnance Factory Khamaria, Jabalpur**

**Nodal Officer:** Shri P.C. Patil  
(Assistant Works Manager)  
Ordnance Factory Khamaria  
PIN- 482005 Madhya Pradesh  
Phone No: 0761 - 2742474  
FAX: 0761 – 2337301

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Fisher Sub-Sieve Sizer/ Partials Size Analyzer</td>
<td>Particles Size of various chemicals in powder Form (as per IS:7602-1975)</td>
<td>Chemicals in powder Form</td>
<td>Rs.4700/-</td>
</tr>
<tr>
<td>2</td>
<td>Shore A &amp; D Hardness Tester</td>
<td>Rubber &amp; Plastic Testing (as Per IND/ME/844)</td>
<td>Rubber/Plastic Materials</td>
<td>Rs.2400/-</td>
</tr>
<tr>
<td>3</td>
<td>Chemical Analyser</td>
<td>Chemical Analysis</td>
<td>Various explosives &amp; Pyrotechnics</td>
<td>Rs.4700/-</td>
</tr>
</tbody>
</table>