**Questionnaire for Chassis Dynamometer (Roll & Brake Tester)**

Company Name : ______________________________________________________

Address / Contacts : __________________________________________________

Email ID : ___________________________________________________________

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Particulars</th>
<th>Remarks by Customer</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td><strong>Vehicle Data</strong></td>
<td></td>
</tr>
<tr>
<td>1.1</td>
<td>Vehicle Type</td>
<td>Electrical / Petrol / Diesel</td>
</tr>
<tr>
<td>1.2</td>
<td>Category</td>
<td>2Wh / 3Wh / 4Wh</td>
</tr>
<tr>
<td>1.3</td>
<td>Drive Type</td>
<td>Front / Rear / Both wheels</td>
</tr>
<tr>
<td>1.4</td>
<td>Transmission Type</td>
<td>Automatic / CVT / Manual</td>
</tr>
<tr>
<td>1.5</td>
<td>Engine / Motor details</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Rated Power @ rated rpm</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Rated Torque @ rated rpm</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Max. rpm</td>
<td></td>
</tr>
<tr>
<td>1.6</td>
<td>Vehicle Max. power</td>
<td></td>
</tr>
<tr>
<td>1.7</td>
<td>Vehicle max. speed in KM/H</td>
<td></td>
</tr>
<tr>
<td>1.8</td>
<td>Vehicle max. acceleration</td>
<td></td>
</tr>
</tbody>
</table>
| 1.9     | Vehicle un-laden weight (for different models) | Min.  
|         |                                           | Max.               |
| 1.10    | Vehicle GVW (for different models)         | Min.  
<p>|         |                                           | Max.               |</p>
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| 1.11    | Permissible Axle Load, Front (for different models) | Max.  
|         |             | Min.  |
| 1.12    | Permissible Axle load, Rear (for different models) | Max.  
|         |             | Min.  |
| 1.15    | Vehicle Track width, front (for different models) | Max.  
|         |             | Min.  |
| 1.16    | Vehicle Track width, Rear (for different models) | Max.  
|         |             | Min.  |
| 1.17    | Adjustable Wheel Base required on Dyno | Yes / No.  |
| 1.18    | Wheel Base (for different models) | Max.  
|         |             | Min.  |
| 1.19    | Tyre Type | |
| 1.20    | Dynamic Tyre Radius | Max.  
|         |             | Min.  |
| 1.21    | Tyre width | Max.  
<p>|         |             | Min.  |
| 1.22    | Ground Clearance (for different models) | |
| 1.23    | Silencer &amp; Engine position (Pls. provide dimensional drawing) (for different models) | |
| 2.      | Purpose of Testing | R&amp;D / QA / Production (End of line) / QAD / Maintenance / Mileage Accumulation  |
| 3.      | Test Modes required | |
| 3.1     | Road Load Simulation Performance - Max speed, Max power, Acceleration (by speed, by distance), Max. Tractive toque | Yes / No   |</p>
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<tr>
<td>3.2</td>
<td>Wide Open Throttle test – Speed &amp; Torque control</td>
<td>Yes / No</td>
</tr>
<tr>
<td>3.3</td>
<td>Passing Acceleration test - by speed, by distance</td>
<td>Yes / No</td>
</tr>
<tr>
<td>3.4</td>
<td>Driver’s Aid – Standard (IDC etc.) &amp; Customized test cycles</td>
<td>Yes / No</td>
</tr>
<tr>
<td>3.5</td>
<td>Endurance test</td>
<td>Yes / No</td>
</tr>
<tr>
<td>3.6</td>
<td>Engine RPM measurement</td>
<td>Yes / No</td>
</tr>
<tr>
<td>3.7</td>
<td>Speedometer test</td>
<td>Yes / No</td>
</tr>
<tr>
<td>3.8</td>
<td>Inertia simulation</td>
<td>Electrical / Mechanical</td>
</tr>
<tr>
<td>3.9</td>
<td>Gradient simulation</td>
<td>Yes / No</td>
</tr>
<tr>
<td>3.10</td>
<td>Break Testing – Distance, time &amp; force</td>
<td>Yes / No</td>
</tr>
<tr>
<td>3.11</td>
<td>ABS integration</td>
<td>Yes / No</td>
</tr>
<tr>
<td>3.12</td>
<td>ECU integration</td>
<td>Yes / No</td>
</tr>
<tr>
<td>3.13</td>
<td>Fuel consumption measurement required</td>
<td>Yes / No</td>
</tr>
<tr>
<td>3.14</td>
<td>Type of FC measurement</td>
<td>Gravimetric / Volumetric / Flow sensor (Dynamic)</td>
</tr>
<tr>
<td>3.15</td>
<td>Integration of Smoke meter / Gas analyzer</td>
<td>Yes / No</td>
</tr>
<tr>
<td>3.16</td>
<td>Catalytic converter Endurance Test</td>
<td>Yes / No</td>
</tr>
<tr>
<td>3.17</td>
<td>Other if any</td>
<td></td>
</tr>
</tbody>
</table>

4. **General**

<p>| 4.1    | No. of vehicles to be tested per hour                                       |                     |
| 4.2    | Vehicle Cooling blower required                                              | Yes / No            |
| 4.3    | Speed synchronization for Cooling blower required                            | Yes / No            |
| 4.4    | Drive &amp; Motor package for Dynamometer                                        | AC / DC             |</p>
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</tr>
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<tbody>
<tr>
<td>4.5</td>
<td>Test room available?</td>
<td>Yes/No</td>
</tr>
<tr>
<td>4.6</td>
<td>Test Room to be made available</td>
<td>Yes/No</td>
</tr>
<tr>
<td>4.7</td>
<td>For installation in special test room</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Please state special conditions e.g. Climatic, Acoustic, etc.</td>
<td></td>
</tr>
<tr>
<td>4.8</td>
<td>Existing factory voltage</td>
<td></td>
</tr>
<tr>
<td>4.9</td>
<td>Existing compressed air network</td>
<td></td>
</tr>
<tr>
<td>4.10</td>
<td>Further requirements / data</td>
<td></td>
</tr>
</tbody>
</table>

(Please attaché separate sheet if required)

Name : 

Designation :