

## Test Tracks- NCVRS

The center for homologation of tractors and off road vehicles is proposed at Rae-Bareli. The centre is proposed to host tracks required for full fledge homologation and other standard tests. The centre will facilitate complete track Homologation and R&D for off road vehicles. The details of test tracks proposed at NCVRS Rae-Bareli is tabulated below:

### Test Tracks At NCVRS

Test Tracks	Technical Specification	Use of Track
<b>Wet immersion track</b>	Water wade for immersion test for tractors in movement  Total area=400 m <sup>2</sup>	<b>Multipurpose track to perform durability tests on severe surfaces as stones, rough concrete, gravel</b>
<b>Fatigue track</b>	Different combined surfaces for fatigue measures in one lane of 1200 m long and 4 m wide  Total area= 8000 m <sup>2</sup>	
<b>Oval test track</b>	Oval concrete track ( $\mu=0,8-0,9$ ) with two straights of 500m and 10 meters wide and two curves of 200 m radius  Total area=22000 m <sup>2</sup>	<b>The Track is design to meet performance needs of lot of tests i.e. Lane Changes, Breaking and Vehicle type approval test.</b>
<b>Straight line braking</b>	Polished dry concrete $\mu= 0,8/0,9$ (200m) with acceleration lane of 300 m long and 10 m wide  Total area= 8250 m <sup>2</sup>	<b>This track could carry out a number of tests like related to ABS and tyre.</b>
<b>Hill Test Track</b>	Hills with 2 different gradient slopes (15% and 20%)  Total area=3000 m <sup>2</sup>	<b>This track will used for durability test programs.</b>

<p><b>Wet field</b></p>	<p>Agricultural surface with water and mud zones</p> <p>Total area=10000 m<sup>2</sup></p>	<p><b>They are big areas for testing in various directions, curves, over different types of earth, mud or sand surfaces.</b></p>
<p><b>Dry field</b></p>	<p>Agricultural dry surface</p> <p>Total area=10000 m<sup>2</sup></p>	
<p><b>External noise test (pass-by)</b></p>	<p>Noise test surface with acceleration/deceleration lanes</p> <p>Total area= 4600 m<sup>2</sup></p>	<p><b>Measurement of external noise.</b></p>
<p><b>Operator ear noise level test</b></p>	<p>Required for homologation of tractor noise</p>	