

Technical Compliance Matrix - Wheel Alignment System

Bid Invitation: 6300036840 Dtd 03.12.2021

Sub: Procurement of 1 No of Wheel Alignment System to Part number (YPF0105212054)

SN	Features / Specification	Requirement	Complied / Not Complied	Remarks
1	System configuration	Combination of camera, gyro and inclinometers for accuracy and repeatability of measurements		
2	Communication system	Wireless		
3	Operating time	Should have fast operating time		
4	Live reading of values	Should have facility for live reading of values during adjustment		
5	Provision for measured data	Provision should be made available for storing all measuring data of the vehicle (before and after)		
6	System ruggedness	Measuring device system should be rugged for industrial purposes		
7	System compatibility	To carry-out Wheel alignment (w.r.to Chassis centreline) applicable from 4x4 to 12x12 Heavy Mobility Trucks		
8	System mobility	The system should be portable		
9	Storage	Storage cabinet/carrying case should be provided		
10	Hardware & Software support	The hardware and software with necessary support for minimum period of 10 years shall be provided		
11	Laptop	1 number, Dell / HP make Laptop with original Windows 10 Operating system, minimum 4GB Ram and 500GB Hard disk, compatible with Wheel alignment software supplied.		
12	Printer	1 number, Epson/ HP/Canon or equivalent make A4 Ink jet printer compatible with Laptop & Wheel alignment software shall be provided		
13	Calibration Certificate	OEM calibration certificate valid for a period of 1 year from date of commissioning shall be provided.		

14	Installation & Commissioning	Installation, commissioning and training (hands-on & theoretical) shall be provided at BEML premises. Acceptance of the system will be based on this activity completion.		
15	Warranty	Warranty to be provided for a period min. 12 months from date of commissioning.		
16	Technical Manuals	Supplier shall provide one copy of Technical manuals such as Operation & maintenance Manual, Trouble shooting guidelines etc.		
Other Brief Specifications				
17	Total Toe	Measuring Range: +/- 40 mm/m with < 0.4 mm/m accuracy		
18	Individual Toe	Measuring Range: +/- 40 mm/m with < 0.2 mm/m accuracy		
19	Camber	Measuring Range: +/- 10° with < 3 minutes		
20	Caster	Measuring Range: +/- 20°		
21	King Pin Inclination	Measuring Range: +/- 20°		
22	Maximum Turn	Measuring Range: 65°		
23	Operating Time with fully charged batteries	>16 Hours		
24	Charging Unit operating Voltage	220V-240V, 50 Hz		
25	Operating Temperature	-5° to +40° Celsius		
26	Wireless Communication	2.5 GHz Spread Spectrum Wireless Industrial Transceiver with frequency range 2401 – 2495 Hz		
27	Delivery Commitment	Bidder should supply ordered materials within 2 to 3 weeks from the date of Purchase Order		

Signature of the bidder with company seal