

TECHNICAL BID PROFORMA
Item Name: “Force plate and DAQ system”

1.0 Bidder Eligibility Criteria:

1.0	Bidder Eligibility Criteria-I (Public Procurement – Preference to Make in India)	Class I / Class II	Local Content value	Reference, Page No.
I	Only 'Class-I local suppliers' and 'Class-II local suppliers', as defined under DIPP, MoCI Order No. P-45021/2/2017-PP (BE II) dated 16 th September 2020 and other subsequent orders issued therein.			
2.0	Bidder Eligibility Criteria-II	Complied / Not Complied	Reference Page No.	Remarks, If any
1	The bidder/OEM should have supplied the quoted item to IITs, NITs, IISERs, CSIR Labs or other Govt. R&D organizations and reputed organizations in the last 5 years, PO copies or installation certificates along with contact details of end user need to be submitted as the proof of supply. IIT Madras reserves its right to verify the claims submitted by the bidder and the feedback from the previous customers and it will be part of technical evaluation.			
2	The bidder should have 48 lakhs turnover in any one of the last 3 Financial Year.			

3.0 Technical Compliance:

S.No	Specification	Complied / Not Complied	Reference Page No.
Hardware System			
1.	ADC resolution: Minimum of 16 Bits.		
2.	Sampling Frequency: Minimum of 1KHz or higher.		
3.	Measuring Range: At least 5 KN and above		
4.	Load Capacity (FZ): At least 8000 N		
5.	Load Capacity (FX, FY): At least 3000 N		
6.	Dimensions (LXWXH): Less than 800 x 700 x 70 mm		
7.	Connectivity: USB or Bluetooth.		
8.	Measurements: It is able to measure peak force, peak power, jump height, flight time, Max rate of force development, vertical takeoff velocity, etc...		
9.	Calibration: Should perform the calibration of sensors with the minimal human requirement.		
10.	Digital signal output from the portable force plate can be directly		

	plugged into a standard USB port		
11.	The setup should be portable and easy to interface.		
12.	Weight: It should be less than 20 kg.		
13.	Power Options: Charging powered via a computer USB port and/or external source		
14.	Power Options: Charging powered via a computer USB port and/or external source using AC power adapter. The AC power adapter, if provided, should be compatible to standard Indian power system specifications (230 V AC, 50 Hz frequency).		
Software System			
15.	Software should have various analytical metrics.		
16.	Digital acquisition software enables the user to collect data quickly		
17.	Software utility: Data Acquisition, display and analysis		
18.	Compatibility: Windows/MAC/Linux system.		
19.	Data Storage: Ability to store data to the externally connected device.		
20.	Single-user software license for lifetime validity.		
21.	Software should have various analytical metrics.		
22.	Digital acquisition software enables the user to collect data quickly		
23.	Software utility: Data Acquisition, display and analysis		
24.	Compatibility: Windows/MAC/Linux system.		
25.	Data Storage: Ability to store data to the externally connected device.		
Enduser Application			
26.	The force plate must be suitable for Biomechanics, Sports science applications etc...		
27.	Each quotation of Force plate system should also include a catalog, containing the technical specification of the Force plate system offered, failing which offer is liable to be rejected.		
Other Terms and Conditions			
1.	Warranty - 1 year Standard Warranty from Date of Installation		
2.	Extended Warranty: 2 Years(Optional)		

**SIGNATURE OF BIDDER ALONG WITH
SEAL OF THE COMPANY WITH DATE**