

**CSIR - Central Road Research Institute**  
**PROCUREMENT PLAN\***

(\*Please read the note given at the end)

<b>A</b>	<b>FOR THE FINANCIAL YEAR 2025-26</b>
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<b>A (a)</b>	<b>EQUIPMENT</b>
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<b>(i)</b>	<b>Equipment: Out of CSIR Infra Grant</b>
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Sr. No.	Name Category of Equipment/ Vehicle Item	Quantity (Nos.)	Approximate Cost (Rs. In Lakhs)
1	Self -compacting Apparatus (L Box, V Box Funnel, Flow Table and J ring)	1	2.00
2	Sieve Shaker (Mechanical)	1	1.50
3	Blaine's Air Permeability Apparatus (Automatic)	1	2.00
4	Hardness Tester for Steel	1	2.00
5	Ultrasonic Thickness Gauge for Steel	1	2.00
6	Rapid Chloride Permeability Test Equipment	1	10.00
7	Rebound Hammers – 2 Nos.	2	5.00
8	UPV Testing System	1	12.00
9	Cover Meter	1	13.00
10	Boroscope	1	5.00
11	Salt Spray Chamber	1	10.00
12	Portable Ground Penetrating Radar (GPR)	1	50.00
13	3D Terrestrial Laser Measuring System	1	90.00
14	Movable Floor Crane (2T capacity)	1	7.00
15	Material Characterisation and evaluation of FRP	1	25.00
16	Displacement controlled flexural testing machine (Close Loop)	1	30.00
17	Digital Total Station with 0.01mm accuracy.	1	30.00
18	INSPECT Softwre-5 Users	1	30.00
19	Select Subscription For i) Open Bridge Designer (RM Enterprises), ii)STAAD Pro, iii) STAAD Foundation	1	40.00
20	Pulse Eco System	1	50.00
21	ETABS	1	6.00
22	Automated Moisture Vapor Permeability Test Chamber	1	15.00
23	UV light Accelerated Ageing Test Chamber	1	15.00
24	Chloride Migration Test Equipment	1	10.00
25	Acoustic Emission Testing facility	1	50.00
26	Stress Relaxation for PSC Cables	1	10.00
27	Impedance Analyzer	1	10.00
28	High Precision Laser Based Deflection Measuring System For Bridge	1	60.00
29	Dynamic Shaker with Software	1	70.00
30	N3 Precision Level	1	25.00
31	Bridge Diagnostic System	1	60.00
32	ANSYS-LS DYNA (Craswh Simulation Software)	1	20.00
33	IDEA Statica Software	1	10.00
34	Software For Service Life Prediction Of Concrete "Stadium ME"	1	55.00
35	Lifter with Mobile Platform Unit for Inspection of Bridges from Ground level upto 10 meter height.	1	150.00
36	Electrochemical Workstation	1	16.00

37	Wifi & LAN Equipments (Layer-2, Layer 3 Switches, NMS.ITSM, NAC, NAS, Smart Sh. Rack	1 System	800.00
38	Servers (PDC, ADC, Antivirus Server, Intranet) - 5Nos. With 5yrs warranty with OS License	5	153.00
39	Microsoft Office Professional Edition/0365-300 license	300	30.00
40	Procurement of 10KVA UPS with 60min backup for CCN&Server Room - 3 Nos. 1KVA and 2 KVA UPS for All workgroup switch Rooms	15	12.00
41	PCs, Printers and Laptops	10	10.00
42	Softwares: Adobe Suites etc	1	5.00
43	AI/ML Lab Setup i.) High-Performance Workstations (Systems with GPUs (NVIDIA RTX A1000 or higher) for AI training and inference - 4 Nos. ii.) One Dedicated AI Server iii.) Network Infrastructure (Switches/ Cabling) iv) 10KVA UPS for AI/ML Lab v) Environment Setup (A/Cs, Furnitures, Smart Rack) vi) Matlab (Software with network License) - 4 users vii) Computational Software related to AI/ML inference vii) Storage (NAS)	1 Facility	98.50
44	Double wheel rut resistance tester	1	70.00
45	Gyratory compactor	1	40.00
46	Wet Cohesion Tester	1	10.00
47	Wet Track Abrasion Tester	1	8.00
48	Soil compactor	1	10.00
49	Pressure Aging Vessel	1	30.00
50	Rotational viscometer for bitumen and emulsion	1	15.00
51	RTFO	1	10.00
52	Rotavapor for bitumen and emulsion	1	10.00
53	Dynamic Shear Rheometer	1	150.00
54	Pavers Software (FWD Analysis)	1	25.00
55	Automatic Ring Ball apparatus	1	0.80
56	Automatic Penetration Testing Equipment	1	1.00
57	Digital Cannon Manning Kinematic Viscosity Bath	1	12.00
58	Beam Fatigue system	1	40.00
59	Multispeed speed CBR cum Marshall testing machine	1	22.00
60	Marshall Compactors (03 no.)	3	24.00
61	Digital Oven (02 No.)	2	10.00
62	<u>Pyrolytic Asphalt Cleaning Oven</u>	1	25.00
63	Bitumen Binder Extractor	2	10.00
64	Large-scale consolidation equipment for vertical drain (Purchase process Ongoing)	1	10.00
65	First Class Walking Road Profiler/Dipstick (Will start Purchase process soon)	1	25.00
66	Digital Rebound hammer	1	5.00
67	Automatic CBR Machine	1	10.00
68	Multipurpose Test Frame Equipment 50 KN (For Marshall, ITS and CBR)	1	25.00
69	Central hole double-acting hydraulic jack and pump set of 3T and 5T capacity with accessories	1	2.00
70	Vibratory Plate compactor	1	5.00
71	Weigh In Motion System (Portable)	1	60.00
72	Digital/Multi Road Profiler (Class-I)	1	20.00
73	British Pendulum Tester	1	5.00
74	Stone Polishing Machine	1	5.00
75	Equipment for PED Bituminous Laboratory	As per the Annexure-1	38.00
76	Three-Speed Multi-Loader Marshall Testing Machine (50 kN)	1	15.00
77	Marshall Compactor (for making 100mm & 150mm dia.	2	8.00

	Specimens)		
78	Asphalt Density Meter (Rice Apparatus)	1	10.00
79	Corelok	1	5.00
80	Non-Nuclear Density Gauge	1	20.00
81	Laser-Based Roughness (IRI) Measuring Equipment	1	25.00
82	Concrete Drum Mixer	1	10.00
83	Concrete Pan Mixer	1	20.00
84	Concrete Rheometer	1	60.00
85	Dressing Wheel Abrasion Test Machine (ASTM C779)	1	5.00
86	SEM	1	150.00
87	Sensors and Data Loggers	1	40.00
88	LIDAR for 3D mapping	1	8.00
89	AIMSUN Simulation Tool	1	10.00
90	MatLab With advanced statistical Tool	1	10.25
91	Digital lux meter: up to 50,000 lux	1	0.50
92	Soldering and de-soldering station (BOW)	1	0.50
93	Digital Multimeter	1	0.50
94	Oscilloscope: 4 Channels, 500 MHz, 2.5 GSa	1	8.00
95	SPSS with AMOS plug-in	1	4.50
96	Driving-related Personality Traits module of Vienna TEST System (Fatigue Test Module)	1	8.00
97	EV Bus Driving Simulator	1	12.00
98	Two-Wheeler Driving Simulator	1	5.00
99	EV Three Wheeler Driving Simulator	1	5.00
100	STATAS Software	1	2.00
101	Distillation Unit	1	1.50
102	PTV FULL Academic Licence Software	3	15.00
103	AFM Atomic Force Microscope	1	30.00
104	Lima Software for Noise Mapping	1	17.00
105	Sound Book Multichannel Instrument	1	30.00
106	ARC GIS 2 users License	1	70.00
<b>Total</b>			<b>3445.55</b>

<b>(ii)</b>	<b>Equipment: Out of CSIR Funded Projects</b>
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<b>Sr. No</b>	<b>Name Category of Equipment/ Vehicle Item</b>	<b>Quantity (Nos.)</b>	<b>Project Number/ Code</b>	<b>Approximate Cost (Rs. In Lakhs)</b>
1	Handsheld Stylus profiler/Roughness tester (Purchase process Ongoing)	1	FBR-040302	5.00
2	Repairing of existing equipment and purchase of accessories	1	P-50/ FBR-040302	5.00
<b>Total</b>				<b>10.00</b>

**Note:**

- The above procurement plan is dynamic and could be revised as often as may be necessary with the approval of the Competent Authority.
- The procurement is subject to the fund's availability/release of sufficient grant from CSIR / funding agency.
- The indicated procurement value is an estimate only.