

# CSIR – Structural Engineering Research Centre

## Annual Procurement Plan of CSIR-SERC for the FY 2023-24

S.No	Description of Goods	Qty. Planned for Purchase
1.	Planetary Mixer (5 or 10 L) ( <i>Either 5L or 10L</i> )	01
2.	Field test air and water permeability of concrete	01
3.	Basic Half Cell Potential System	01
4.	J-20 Strand Jack with J type wedges for 12.7 mm dia & 15.2 mm dia strands	03
5.	Electric OP Hydraulic pump with pressure gauge	03
6.	Industrial camera	01
7.	Ultrasonic pulse velocity	01
8.	Vibrating wire load cell of outer dia 65 mm and inner dia 25 mm of 20T capacity	20
9.	Tilting type drum mixer (hydraulic) (About 300 kg)	01
10.	Concrete Cutting Machine	01
11.	Sieve shaker 8+1 sieves of 8" Dia with motor, timer, Sieves 4.75mm, 2.36mm, 1.18mm, 600micron, 300micron, 150micron, 75micron and Lid & RECEIVER.	01
12.	Ultrasonic high-power pulser receiver with accessories ( <i>Only for Concrete applications to be purchased</i> )	01
13.	LVDT (10, 50 & 100 mm)	09 No. (03x03)
14.	Rotary Shaker with Brushless induction motor, frequency drive, speed 20 to 300 rpm with 4" LCD display of speed along with universal platform of size 24" x 24" without flask holding clamps and 36 Numbers of 250 ml clamps	01 No
15.	Uniaxial Accelerometer (+/- 5g)	03
16.	Thermal Image Camera	01
17.	pH meter	01
18.	High-speed Camera with CMOS sensors (Frame rates- 2 Million fps )	01
19.	30 KVA online UPS system	01
20.	High dynamic range $\pm 100$ g accelerometers	10
21.	Under water accelerometers for laboratory test	10
22.	Hydraulic substation for 1000 kN and 500 kN INSTRON actuator	2
23.	Non-contact displacement sensor	5
24.	Motorized Torque Wrench and torque multiplier with accessories	01
25.	Universal static reference load cell of $\pm 1000$ kN capacity	01
26.	UPS 10 kVA capacity	01
27.	MS Teams - Room conferencing Device	02
28.	Smart Rack with Cooling and Power	01
29.	10 G Fiber modules for Core switch and Network switches	40
30.	10G SFP+ & 48 port 10Gbe edge switches	15

31.	Reaction frames for test bed	01
32.	Forklift of 3 T capacity	01
33.	Movable crane near the test bed area of capacity 10 t along with rails and necessary accessories	01
34.	LED Display Ultra HD (4K) Resolution (85 Inch)	02
35.	LCD Portable Projector with screen	01
36.	43-inch monitor	01
37.	Color Laser Printer	01
38.	QuantumX strain gauge module(1615B) and accessories	01
39.	Digital crack width measurement equipment	01
40.	LCR meter with required communication software	01
41.	Non-contact laser LVDT	04
42.	Load cells (10T, 20T and 50T) <i>(Quantity under each capacity to be mentioned clearly)</i>	01 set
43.	Non-contact distance and angle measuring devices	01 set
44.	Thickness gauge, flaw detection gauge, 50 cm Vernier caliper (digital and manual)	01 set
45.	Battery operated grinding machine	02
46.	3-D Printer	01
47.	6-Component Force Balance	01
48.	Display Panel (LED; 65"; 4K Resolution)	01
49.	Multi-channel (64 nos) data acquisition system	01
50.	Digital Dial Gauges	03
51.	High Capacity Impact wrench for tightening of bolts and nuts	01
52.	High Capacity digital torque wrench	01
53.	Ultrasonic thickness measurement gage for steel angle section	01
54.	Ultrasonic galvanized coating thickness measurement gage for steel angle section	01
55.	Tirfor Pulling and Lifting Machine 3 and 5 Tonne capacity	6 Nos Each
56.	Chain pulley blocks 1 and 2 Tonne capacity	2 Nos Each
57.	Heavy duty portable Hammer drill	02
58.	10 Tonne Hydraulic floor trolley jack	02
59.	Portable Band saw machine 5"deep cut	01

**Note:**

The above publication w.r.t Annual procurement plan for CSIR-SERC, Chennai shall not be construed as initiation of a procurement process and cast any obligation on the procuring entity i.e. CSIR-SERC to issue the bidding document or confer any right on prospective bidders as per rule.