

DEPARTMENT OF CIVIL ENGINEERING

TRANSPORTATION ENGINEERING LABORATORY EQUIPMENT

Sl. NO	Name of the Equipment/Machinery	Quantity
01	Los Angles Abrasion testing Machine	1
		1
02	Steel Balls 48mm diameter	1set
		1set
		1 Sets
	Steel balls of 48 mm dia	2 sets
03	Deval's Abrasion testing Machine	1
		1
04	Impact testing machine	1
		1
		1
		1
05	Crushing value apparatus	1
		1
06	Thickness Gauge	1
		1
07	Length Gauge	1
		1
08 a	Ductility testing apparatus with moulds	1
		1
		1
b	Ductility moulds	2
		2 nos
09	Penetrometer with needles	1
		1
		1
	Bitumen Penetrometer Automatic	1 No
	Bitumen penetration needles	6 needles
	Bitumen penetration needles	5 needles
10	Standard tar viscometer	1
		1
		1 Nos

11	Flash and Fire apparatus	1
		1
		1
		1
12	Marshall Stability apparatus	1
	Compaction moulds	6nos
		2 nos
13	Ring and Ball Apparatus	1 Nos
		1
		2
		2 Nos
		2 Nos
14	a)Sieves GI frame 45cm dia	13 nos
		1No
		11No
		5No
		29Nos
	Sieves GI frame 45cm dia (Stock	10Nos
b) pan and lid	2Nos	
15	Sieves Brass Frame with stainless steel mesh frame 20cm dia	2
		7 No
		1 set
		1 set
		1set
16	Counter Balance 10Kg	1
		1
		2
17	Water Bath	1
18	Aluminium Plates	10
19 a	CBR apparatus	1
b	CBR apparatus (Computerized)	1
c	CBR apparatus (motorized)	1
d	CBR Proving ring 10KN capacity	2 nos
	CBR Proving ring 15KN capacity	2 nos
	CBR Proving ring 25KN capacity	2 nos
	CBR Moulds	3
		2

20		4
		3no
		2no
		5 no
		5 no
21	Models	5
		25
		4
22	Stopwatches	3
23	a) Heater with Regulator	1
		1
		2
		1
		1
		1
		1
		1
	b) Cast iron heater rectangular with 2kW regulator	2 nos
		2 nos
21	Enamel trays	4
		1
		2
		1
		10
		1
		1
20	Thermometer	2
		8
		2
		2
		10
21	Field CBR	1
22	Hot air Oven	1
	Hot air Oven	1
	Hot air Oven	1
23	Magnetic base with dial gauges	5

	Dial gauges (0.01x25mm)	2
24	Sampling Tubes	5
25	Slotted weights	3
		4
23	Centrifuge Extractor(Electrically	1
24	Spacer disc	2nos
25	Electronic Weighing machine(15Kg	2
	Electronic Weighing machine(15Kg	2
	Electronic Weighing machine(50Kg	2
26	Compression testing Machine(100KN	1
27	Pycnometer	2 Nos
		2 Nos
		6Nos
		6Nos
		6Nos
28	Jaw Crusher	1
29	Rammer	1
30	Compaction Moulds	1
31	Sieves GI frame 45cm dia	2 sets
		2 sets
		1set