

RAJENDRA MANE POLYTECHNIC AMBAV (DEVBUKH)

Name of department: Civil engineering

Name of laboratory:- Building construction

<b>Sr.no.</b>	<b>Name of equipment</b>	<b>Quantity</b>	<b>Amount</b>
1	Grillage Foundation	1	6080.00
2	Louvered Window	1	3200.00
3	Sliding Window	1	3200.00
4	Open Well Stair	1	4160.00
5	Bifurcated Stair	1	5120.00
6	Roof Showing Ridge, Hip And Valley	1	6400.00
7	Coffer Dam	1	5120.00
8	Gravity Dam	1	9600.00
9	Earthen Dam	1	9600.00
10	river head work	1	9600.00
11	canal drop	1	5760.00
12	canal regulator	1	5120.00
13	spillway gate	1	4160.00
14	hydraulic jump	1	4480.00
15	Re-inforcement in Combine Footing	1	8960.00
16	Fully Paneled Door with frame	1	3520.00
17	Half Paneled & Half Glazed Door with frame	1	3520.00
18	Dog Legged Stair	1	4160.00
19	Corner Window	1	3520.00
20	Brick Layer's Scaffolding	1	3840.00
21	Model of Foundation	1	3200.00
		<b>Total=</b>	<b>112320.00</b>

RAJENDRA MANE POLYTECHNIC AMBAV (DEVROKH)

Name of department: Civil engineering

**Name of laboratory:- Concrete technology**

<b>Sr.no.</b>	<b>Name of equipment</b>	<b>Quantity</b>	<b>Amount</b>
1	Blaine's air permeability	1	3500.00
2	Mechanical shieve shaker machine	1	22500.00
3	IS sieves	1	16000.00
4	Digital weighing balance cap-3kg	1	9500.00
5	Enamel trays	15	7500.00
6	Gauging trowel	2	1000.00
7	Brush	5	500.00
8	Vicat needle app.	2	9000.00
9	Digital stop watch 1/10 sec.	2	1800.00
10	Cement spatula	2	300.00
11	measuring cylinder 250ml	3	1500.00
12	measuring cylinder500ml	3	1500.00
13	Cube mould	12	14400.00
14	Vibrating table	1	35000.00
15	lechatellre's apparatus	1	2800.00
16	Water bath	1	14500.00
17	steel rule 30cm	5	750.00
18	Aggregate impact testing machine	1	11500.00
19	Los angeles abrasion testing machine	1	85000.00
20	Aggregate crushing value test app.	1	8500.00
21	slum cone test apparatus	2	5600.00
22	Compaction factor app.	1	19500.00
23	Electronic balance 6kg/100 mg (0.1 gm)	1	7215.00
24	Stop watch	3	2164.50
25	Cube mould (7.06cm)	9	6243.75
26	Compression testing machine (200 tone)	1	180000.00
27	Hot air oven	1	10500.00
<b>Total</b>			<b>478273.25</b>

RAJENDRA MANE POLYTECHNIC AMBAV (DEVROKH)

Name of department: Civil engineering

**Name of laboratory:- Geotechnical Engineering**

<b>Sr.no.</b>	<b>Name of equipment</b>	<b>Quantity</b>	<b>Amount</b>
1	IS Sieves	1 set	16000.00
2	Core cutter (Cylindrical)	1	5500.00
3	Steel Dolly	1	700.00
4	Steel Rammer	1	900.00
5	Sample ejector	1	18000.00
6	Pycnometer	2	1600.00
7	Casagrande 's liquid limit device motorised	1	7500.00
8	Grooving tool (motorised)	1	12500.00
9	Spatula	5	750.00
10	Porcelain Evaporating dish	5	1000.00
11	Plastic limit kit	2	7000.00
12	Shrinkage limit kit	2	7000.00
13	Constant head permeability test apparatus	1	30000.00
14	Direct Shear stress apparatus with electronic instrumentation system	1	85000.00
15	Standard protector test apparatus	2	5600.00
16	Laboratory C.B.R. apparatus	1	70000.00
17	Triaxial cell	1	135000.00
18	non carodable air tight container	5	1750.00
19	desicators	5	2500.00
		<b>total =</b>	<b>408300.00</b>

RAJENDRA MANE POLYTECHNIC AMBAV (DEVBUKH)

Name of department: Civil engineering

Name of laboratory:- Surveying

Sr.no.	Name of equipment	Quantity	Amount
1	Metric chain 20m	5	3500.00
2	Metric chain 30m	5	4500.00
3	Metallic tape 30m	5	2750.00
4	Open cross staff with pole	5	2750.00
5	Optical square	5	3000.00
6	Prismatic compass	5	10000.00
7	Quick setting dumpy level	5	32500.00
8	Leveling staff with canvas cover	5	5500.00
9	Tilting level with aluminium stand	3	19500.00
10	Automatic level	2	22000.00
11	Planimeter(mechanical)	3	4500.00
12	Digital planimeter	2	84000.00
13	Plane table	4	14000.00
14	Telescopic alidade	2	9000.00
15	Direct Reading Vernier Transit Theodolite	1	22000.00
16	Electronic Digital Theodolite	1	80000.00
17	Electronics Distance Meter	1	25000.00
18	Tacheometer: Transit Theodolite with stadia Telescope fitted with stadia diaphragm.	1	27000.00
19	Hand – Held Laser Distnace Meter	1	30000.00
20	Line ranger		
21	Digital theodolite	2	101920.00
22	Optical square	5	1706.00
23	Levelling staff (4m)compact	5	5232.50
24	Measuring tape (metallic 30m.)	10	3185.00
25	Measuring tape steel (30m.)	2	1437.80
26	Transit vernier theodolite	4	52780.00
27	Total station	1	260000.00
28	Digital level	1	52780.00
29	Micro-optic theodolite	1	109200.00
		<b>total =</b>	<b>989740.00</b>

RAJENDRA MANE POLYTECHNIC AMBAV (DEVROKH)

Name of department: Civil engineering

**Name of laboratory:- Environmental Engineering**

<b>Sr.no.</b>	<b>Name of equipment</b>	<b>Quantity</b>	<b>Amount</b>
1	Sound Level Meter	1	17112.50
2	Rain guage (Non Recording)	1	4162.50
3	Glass Distillation Apparatus	1	19887.50
4	Digital Oxygen Meter	1	15262.50
5	Respirable Dust Sampler	1	91112.50
6	Muffle Furnace (9x4x4inches)	1	24369.13
7	Rain guage(Symon Standard)	1	1387.50
8	Wind Wane	1	13412.50
9	Rain Guage	1	18065.50
10	Magnetic Stirrer	6	40800.00
		<b>TOTAL</b>	<b>245572.13</b>

RAJENDRA MANE POLYTECHNIC AMBAV (DEVBUKH)

Name of department: Civil engineering

**Name of laboratory:- Mechanics of structure**

<b>Sr.no.</b>	<b>Name of equipment</b>	<b>Quantity</b>	<b>Amount</b>
1	Universal Testing Machine	1	305000.00
2	Extensometer	1	30500.00
3	Rockwell cum Brinell Hardness test	1	36000.00
4	Izod and Charpy Impact test machine	1	79200.00
5	Torsion testing machine	1	144000.00
6	Abrasion testing machine	1	67000.00
7	Tile Flexure strength testing machine	1	73000.00
8	Beam mould (100x100x500mm)	3	27000.00
9	Beam mould (150x150x700)	3	21000.00
10	Digital electronic weighing machine	1	19500.00
		TOTAL	802200.00