

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

Codes	Description	Unit	Badin			Dadu		
			Owning Cost	Operating Cost	Total Cost	Owning Cost	Operating Cost	Total Cost
PE-001	Bulldozer-264 HP (Crawler Dozer-Track Type) with Blade Capacity 7 cum	Rs/Hr	4473.71	10950.13	15423.84	4479.83	10950.13	15429.96
PE-002	Bulldozer-200 HP (Crawler Dozer-Track Type) with Blade Capacity 4.4 cum	Rs/Hr	2983.72	8952.63	11936.35	2988.23	8952.63	11940.86
PE-003	Bulldozer-130 HP (Crawler Dozer-Track Type) with Blade Capacity 2.7 cum	Rs/Hr	2730.95	7010.58	9741.53	2733.63	7010.58	9744.21
PE-004	Wheel Loader 187HP with Bucket Capacity 3.3 cum	Rs/Hr	3575.15	7426.91	11002.06	3578.7	7426.91	11005.61
PE-005	Wheel Loader 166 HP with Bucket Capacity 2.8 cum	Rs/Hr	2820.83	6465.35	9286.18	2823.78	6465.35	9289.13
PE-006	Wheel Loader 135 HP with Bucket Capacity 1.90 cum	Rs/Hr	2630.92	5425.89	8056.81	2633.26	5425.89	8059.15
PE-008	Dumper loading Capacity 18 T	Rs/Hr	1490.56	3235.62	4726.18	1493.48	3235.62	4729.1
PE-009	Dumper loading Capacity 10 T	Rs/Hr	880.74	3034.96	3915.7	882.44	3034.96	3917.4
PE-010	Excavator (Track Type) 100 HP	Rs/Hr	2310.76	7909.08	10219.84	2315.44	7909.08	10224.52
PE-011	Compressor 300 CFM	Rs/Hr	409.35	7364.83	7774.18	409.79	7364.83	7774.62
PE-012	Rock Driller -Pneumatic-plug	Rs/Hr	21.54	584.16	605.7	21.55	584.17	605.72
PE-013	Electric Saw	Rs/Hr	1.37	547.13	548.5	1.37	547.13	548.5
PE-014	Petrol Motorized Chain Saw	Rs/Hr	8.83	686.18	695.01	8.83	686.18	695.01
PE-015	Electric Breaker (Demolition Hammer)	Rs/Hr	15.63	549.45	565.08	15.64	549.45	565.09
PE-016	Plate Compactor	Rs/Hr	85.65	1034.8	1120.45	85.76	1034.84	1120.6
PE-017	Pugmill 40 Tons per hour	Rs/Hr	969.98	8896.63	9866.61	1012.31	8896.63	9908.94
PR-018	Combination Roller 18 T Single drum Pad/Sheep Foot Compactor	Rs/Hr	2187.67	6579.82	8767.49	2190.26	6579.85	8770.11
PR-019	Combination Roller 12 T (Single drum Pad/Sheep Foot Compactor)	Rs/Hr	1460.7	5124.59	6585.29	1463.22	5124.62	6587.84
PR-020	Combination Roller 8T (Single drum Pad/Sheep Foot Compactor)	Rs/Hr	1381.27	5077.17	6458.44	1383.65	5077.2	6460.85
PE-021	Excavator (Track Type) 168 HP with Bucket Capacity 0.8 cum	Rs/Hr	2539.47	8280.47	10819.94	2544.47	8280.47	10824.94
PE-022	Excavator (Track Type) 250 HP with Bucket Capacity 1.4 cum	Rs/Hr	2841.65	10960.7	13802.35	2848.44	10960.7	13809.14
PE-023	Excavator (Track Type) 345 HP with Bucket Capacity 2.2 cum	Rs/Hr	3392.92	13905.3	17298.22	3402.03	13905.3	17307.33
PE-024	Jack Hammer side type for Excavator (Track Type) 168 HP with Bucket Capacity 0.9 cum	Rs/Hr	138.72	494.28	633	139.36	494.85	634.21
PE-025	Jack Hammer side type for Excavator (Track Type) 265/340 HP with Bucket Capacity 1.6/2.3 cum	Rs/Hr	291.6	630.35	921.95	292.69	631.32	924.01
PS-026	Pipe Layer with lifting weight upto 25 Ton	Rs/Hr	2206.39	8337.91	10544.3	2212.39	8337.91	10550.3
PR-031	Motor Grader 250HP with Blade length 4.32m	Rs/Hr	3973.16	9757.98	13731.14	3977.38	9757.98	13735.36
PR-032	Motor Grader 218HP with Blade length 4.32m	Rs/Hr	3475.93	7986.18	11462.11	3479.42	7986.18	11465.6
PR-033	Tandem Roller 12 T	Rs/Hr	1755.7	4765.11	6520.81	1758.21	4765.14	6523.35
PR-034	Tandem Roller 8 T	Rs/Hr	1255.29	4501.19	5756.48	1257.31	4501.21	5758.52
PR-035	Tandem Roller 6 T	Rs/Hr	1159.48	2827.55	3987.03	1161.5	2827.57	3989.07
PR-036	Tandem Roller 1.50 T	Rs/Hr	420.2	2150.51	2570.71	420.57	2150.52	2571.09
PR-037	Combination Roller 18 T Single drum Plain Compactor	Rs/Hr	1989.46	5842.77	7832.23	1992.05	5842.77	7834.82
PR-038	Combination Roller 12 T (Single drum Plain Compactor)	Rs/Hr	1328.56	5107.99	6436.55	1331.08	5108.02	6439.1
PR-039	Combination Roller 8T (Single drum Plain Compactor)	Rs/Hr	1256.31	5066.43	6322.74	1258.7	5066.45	6325.15
PR-040	P.T.R. (8 - Wheeler) 24 T	Rs/Hr	1396.18	4620.33	6016.51	1401.43	4620.36	6021.79
PR-041	P.T.R. (8 - Wheeler) 18 T	Rs/Hr	1300.37	4549.74	5850.11	1305.61	4549.74	5855.35
PR-043	Tandem Roller 10 T	Rs/Hr	1371.19	4685.2	6056.39	1373.26	4685.22	6058.48
PR-044	Power Broom	Rs/Hr	15.47	384.59	400.06	16.97	385.92	402.89
PR-045	Bitumen Dist. Tow Type 2000 Liter	Rs/Hr	201.93	1294.24	1496.17	202.5	1294.24	1496.74
PR-046	Bitumen Sprayer (Manual) 250 gallon	Rs/Hr	18.89	584.13	603.02	19.62	584.42	604.04
PR-047	Chip Spreader up to 3M Wide (attachment)	Rs/Hr	267.91	1357.59	1625.5	270.43	1358.57	1629
PR-048	Asphalt Plant 140 T	Rs/Hr	22036.8	29096.28	51133.08	22079.12	29117.44	51196.56
PR-049	Asphalt Plant 120 T	Rs/Hr	21426.55	26857.17	48283.72	21452.91	26870.35	48323.26
PR-050	Asphalt Plant 40 T	Rs/Hr	4599.67	12897.77	17497.44	4620.02	12907.95	17527.97
PR-051	Asphalt Plant 20 T	Rs/Hr	3675.1	6259.07	9934.17	3689.17	6266.11	9955.28
PR-052	Asphalt Paver basic width 3m,max 5.9m Wide	Rs/Hr	7617.01	13297.25	20914.26	7620.86	13299.17	20920.03
PR-053	Asphalt Paver ( width 2.4-4.7 m)	Rs/Hr	7223.25	13367.21	20590.46	7226.55	13368.86	20595.41
PR-054	Cold Milling Machine 2 M Wide	Rs/Hr	5909.47	14019.46	19928.93	5918.73	14019.46	19938.19
PR-055	Hand Push high Pressure Cold and Rubber Paint Marking Machine	Rs/Hr	526.57	965.75	1492.32	527.21	965.75	1492.96
PR-056	Aggregate Spreader Up to 3M Wide	Rs/Hr	7223.25	13367.21	20590.46	7226.55	13368.86	20595.41
PR-057	Asphalt Cutter	Rs/Hr	19.37	555.04	574.41	19.41	555.04	574.45
PR-058	Rock Crushing & Screening (200 T/Hr)	Rs/Hr	9659.1	5588.88	15247.98	9686.41	5598.44	15284.85
PR-060	Asphalt Recycling Machine 0 to 60mm depth - 3 to 4m width  120 tons/hr	Rs/Hr	36334.42	19627.3	55961.72	36350.12	19627.3	55977.42
PR-061	Hand Push Thermoplastic Road Marking Machine with double cylinder preheater	Rs/Hr	978.38	1683.65	2662.03	983.73	1683.65	2667.38
PR-062	Cordless Drill Machine	Rs/Hr	1.66	543.12	544.78	1.67	543.12	544.79
PR-063	Crawler Rock driller	Rs/Hr	2507.57	8074.56	10582.13	2509.97	8074.56	10584.53
PS-064	Grouting Machine(electric) out put 3.6 cum/hr	Rs/Hr	50.24	1233.28	1283.52	50.45	1233.28	1283.73
PS-065	Hydraulic jack with pump upto 2000 Ton	Rs/Hr	453.69	1281.72	1735.41	455.05	1281.72	1736.77
PR-066	Guard Rail Pile Driver Machine	Rs/Hr	229.87	2039.66	2269.53	233.72	2039.66	2273.38
PS-071	Concrete Batching Plant 25m3/hr	Rs/Hr	5243.67	5735.24	10978.91	5249.13	5737.15	10986.28
PS-072	Concrete Static Mixer 1 Cum	Rs/Hr	850.03	1142.34	1992.37	852.76	1143.29	1996.05
PS-073	Concrete Static Mixer 1/4 Cum	Rs/Hr	52.88	1025.84	1078.72	55.61	1026.8	1082.41
PS-074	Concrete Transit Mixer 6 Cum	Rs/Hr	2379.89	3068.98	5448.87	2383.16	3068.98	5452.14
PS-075	Concrete Transit Mixer 4 Cum	Rs/Hr	1450.25	2681.72	4131.97	1452.98	2681.72	4134.7
PS-076	Stressing Equipment for 6500 KN force with electric power	Rs/Hr	214.1	1284.78	1498.88	214.66	1284.78	1499.44
PS-077	Concrete Cutter	Rs/Hr	19.37	555.04	574.41	19.41	555.04	574.45
PS-078	Piling Rig (dia up to 1m)	Rs/Hr	12649.76	15715.53	28365.29	12737.15	15759.23	28496.38
PS-079	Piling Rig (Dia 1m to 2m)	Rs/Hr	28667.46	28699.9	57367.36	28705.26	28718.8	57424.06

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

Codes	Description	Unit	Badin			Dadu		
			Owning Cost	Operating Cost	Total Cost	Owning Cost	Operating Cost	Total Cost
PS-080	Vibrator (Poker 1.5 ")	Rs/Hr	4.47	633.09	637.56	4.48	633.09	637.57
PS-081	Percussion Boring Rig (Diesel)	Rs/Hr	2416.61	10193.14	12609.75	2438.46	10204.07	12642.53
PS-082	Concrete Pump 33 m with tuck chassis	Rs/Hr	2403.82	16146.32	18550.14	2454.07	16171.44	18625.51
PS-083	Girder Launcher (Erecting Capacity max 200 ton)	Rs/Hr	6254.04	4940.01	11194.05	6325.11	4967.73	11292.84
PS-084	Tripod & Chain Pulley (20 Ton)	Rs/Hr	73.58	846.88	920.46	77.94	846.88	924.82
PS-085	Shotcrete Machine 5-8 cum/hr	Rs/Hr	385.6	2336.88	2722.48	386.16	2337.1	2723.26
PS-086	Concrete Slip form Paver 2 to 6m for Road Pavement	Rs/Hr	13263.9	15088.1	28352	13272.64	15088.1	28360.74
PS-087	Concrete Slip form Paver for Barrier,curbs,sidewalk up to 3 m	Rs/Hr	5797.21	8772.14	14569.35	5805.29	8772.14	14577.43
PR-088	Asphalt Static Mixer 1 Cum	Rs/Hr	655.66	1074.31	1729.97	658.39	1075.26	1733.65
PS-089	Straight Rotary machine up to 250 mm dia with all tools	Rs/Hr	121.59	1592.1	1713.69	123.77	1595.13	1718.9
PX-090	Submersible Slug Pump with 65 ft Head	Rs/Hr	15.33	93.06	108.39	15.36	93.07	108.43
PX-091	Tractor 80 HP	Rs/Hr	160.77	2946.63	3107.4	161.6	2946.63	3108.23
PX-092	Tractor 50 HP	Rs/Hr	63.73	1881.92	1945.65	64.18	1881.92	1946.1
PX-093	Water Tank Bowser Type 12000 Liter	Rs/Hr	634.94	5980.95	6615.89	639.86	5980.95	6620.81
PX-094	Water Tank Tow Type 4000 Liter (Including Tractor)	Rs/Hr	152.11	2024.22	2176.33	154.47	2024.22	2178.69
PX-095	Flat Body Truck pay load upto 8 ton	Rs/Hr	364.86	5475.61	5840.47	366.08	5475.61	5841.69
PX-096	Sedan Car 1300 cc	Rs/Hr	249.86	2149.82	2399.68	250.21	2149.82	2400.03
PX-097	Sedan Car 1000 cc	Rs/Hr	199.93	1449.83	1649.76	200.21	1449.83	1650.04
PX-098	Pickup 2800 cc 4 x 4	Rs/Hr	639.46	2664.74	3304.2	640.01	2664.74	3304.75
PX-099	Pickup 2200 cc 4 x 2	Rs/Hr	352.24	1805.61	2157.85	352.8	1805.61	2158.41
PX-100	Pickup 800 cc 4 x 2	Rs/Hr	99.91	888.12	988.03	100.09	888.12	988.21
PX-101	Jeep 1300 cc 4 x 4	Rs/Hr	414.55	1534.07	1948.62	414.77	1534.07	1948.84
PX-102	Trailer Low Bed 30 ton	Rs/Hr	921.58	6530.43	7452.01	924.47	6530.43	7454.9
PX-103	Crane up to 55 Ton	Rs/Hr	2974.11	10530.96	13505.07	2983.26	10530.96	13514.22
PX-104	Crane Upto 25 ton	Rs/Hr	1861.38	9330.97	11192.35	1868.56	9330.97	11199.53
PX-105	Electric Diaphragm Pump	Rs/Hr	28.08	134.98	163.06	28.21	135.03	163.24
PX-106	Sand Blasting Machine	Rs/Hr	307.76	953.85	1261.61	307.94	953.85	1261.79
PX-107	Dump Truck 30 ton (18 cum)	Rs/Hr	2015.15	10283.02	12298.17	2017.78	10283.02	12300.8
PX-108	Tractor with Trolley (8 ton)	Rs/Hr	160.07	2659.43	2819.5	160.69	2659.43	2820.12
PX-109	Welding Plant	Rs/Hr	2.78	95.03	97.81	2.81	95.04	97.85
PX-110	Generator (Diesel) 150 kVa	Rs/Hr	166.81	7464.1	7630.91	167.25	7464.27	7631.52
PX-111	Generator (Diesel) 250 kVa	Rs/Hr	299.45	11122.59	11422.04	300.07	11122.83	11422.9
PX-112	Diesel Tanker 25000 Liter with Pump	Rs/Hr	608.98	7573.01	8181.99	616.62	7573.01	8189.63
PX-113	Forging /Shape Machine	Rs/Hr	30.87	628.29	659.16	31	628.29	659.29
PX-114	Generator (Diesel) 50 KVA	Rs/Hr	87.61	2700.5	2788.11	87.83	2700.59	2788.42
PX-115	Diesel Tanker 12000 Liter with Pump	Rs/Hr	299.13	4105	4404.13	304.59	4105	4409.59
PX-116	Diesel Tanker 5000 Liter with Pump	Rs/Hr	244.73	3172	3416.73	247.39	3172	3419.39
PX-117	Diesel Generator 20 KVA	Rs/Hr	63.57	2058.66	2122.23	63.72	2058.72	2122.44
PX-118	Diesel Generator 5 KVA	Rs/Hr	13.28	1020.25	1033.53	13.3	1020.26	1033.56
PX-119	Steel Rolling Machine	Rs/Hr	77.15	400.27	477.42	78.02	400.6	478.62
PX-120	Diesel Generator 13 KVA	Rs/Hr	62.89	1485.71	1548.6	62.91	1485.71	1548.62

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

Codes	Description	Unit	Ghotki			Hyderabad		
			Owning Cost	Operating Cost	Total Cost	Owning Cost	Operating Cost	Total Cost
PE-001	Bulldozer-264 HP (Crawler Dozer-Track Type) with Blade Capacity 7 cum	Rs/Hr	4490.54	10950.13	15440.67	4470.78	10950.13	15420.91
PE-002	Bulldozer-200 HP (Crawler Dozer-Track Type) with Blade Capacity 4.4 cum	Rs/Hr	2996.14	8952.63	11948.77	2981.55	8952.63	11934.18
PE-003	Bulldozer-130 HP (Crawler Dozer-Track Type) with Blade Capacity 2.7 cum	Rs/Hr	2738.34	7010.58	9748.92	2729.66	7010.58	9740.24
PE-004	Wheel Loader 187HP with Bucket Capacity 3.3 cum	Rs/Hr	3584.92	7426.91	11011.83	3573.45	7426.91	11000.36
PE-005	Wheel Loader 166 HP with Bucket Capacity 2.8 cum	Rs/Hr	2828.96	6465.35	9294.31	2819.42	6465.35	9284.77
PE-006	Wheel Loader 135 HP with Bucket Capacity 1.90 cum	Rs/Hr	2637.36	5425.89	8063.25	2629.8	5425.89	8055.69
PE-008	Dumper loading Capacity 18 T	Rs/Hr	1498.58	3235.62	4734.2	1489.17	3235.62	4724.79
PE-009	Dumper loading Capacity 10 T	Rs/Hr	885.43	3034.96	3920.39	879.92	3034.96	3914.88
PE-010	Excavator (Track Type) 100 HP	Rs/Hr	2323.62	7909.08	10232.7	2308.53	7909.08	10217.61
PE-011	Compressor 300 CFM	Rs/Hr	410.56	7364.83	7775.39	409.14	7364.83	7773.97
PE-012	Rock Driller -Pneumatic-plug	Rs/Hr	21.56	584.17	605.73	21.54	584.16	605.7
PE-013	Electric Saw	Rs/Hr	1.37	547.13	548.5	1.37	547.13	548.5
PE-014	Petrol Motorized Chain Saw	Rs/Hr	8.83	686.18	695.01	8.83	332.73	341.56
PE-015	Electric Breaker (Demolition Hammer)	Rs/Hr	15.65	549.45	565.1	15.63	549.45	565.08
PE-016	Plate Compactor	Rs/Hr	85.96	1034.92	1120.88	85.6	1034.78	1120.38
PE-017	Pugmill 40 Tons per hour	Rs/Hr	1086.47	8896.63	9983.1	949.72	8896.63	9846.35
PR-018	Combination Roller 18 T Single drum Pad/Sheep Foot Compactor	Rs/Hr	2194.8	6579.9	8774.7	2186.43	6579.8	8766.23
PR-019	Combination Roller 12 T (Single drum Pad/Sheep Foot Compactor)	Rs/Hr	1467.63	5124.66	6592.29	1459.49	5124.57	6584.06
PR-020	Combination Roller 8T (Single drum Pad/Sheep Foot Compactor)	Rs/Hr	1387.83	5077.25	6465.08	1380.13	5077.16	6457.29
PE-021	Excavator (Track Type) 168 HP with Bucket Capacity 0.8 cum	Rs/Hr	2553.24	8280.47	10833.71	2537.07	8280.47	10817.54
PE-022	Excavator (Track Type) 250 HP with Bucket Capacity 1.4 cum	Rs/Hr	2860.35	10960.7	13821.05	2838.4	10960.7	13799.1
PE-023	Excavator (Track Type) 345 HP with Bucket Capacity 2.2 cum	Rs/Hr	3418.01	13905.3	17323.31	3388.55	13905.3	17293.85
PE-024	Jack Hammer side type for Excavator (Track Type) 168 HP with Bucket Capacity 0.9 cum	Rs/Hr	140.48	495.85	636.33	138.42	494.02	632.44
PE-025	Jack Hammer side type for Excavator (Track Type) 265/340 HP with Bucket Capacity 1.6/2.3 cum	Rs/Hr	294.61	633.02	927.63	291.08	629.88	920.96
PS-026	Pipe Layer with lifting weight upto 25 Ton	Rs/Hr	2222.92	8337.91	10560.83	2203.51	8337.91	10541.42
PR-031	Motor Grader 250HP with Blade length 4.32m	Rs/Hr	3984.76	9757.98	13742.74	3971.14	9757.98	13729.12
PR-032	Motor Grader 218HP with Blade length 4.32m	Rs/Hr	3485.52	7986.18	11471.7	3474.26	7986.18	11460.44
PR-033	Tandem Roller 12 T	Rs/Hr	1762.61	4765.18	6527.79	1754.5	4765.1	6519.6
PR-034	Tandem Roller 8 T	Rs/Hr	1260.86	4501.25	5762.11	1254.32	4501.18	5755.5
PR-035	Tandem Roller 6 T	Rs/Hr	1165.05	2827.61	3992.66	1158.51	2827.54	3986.05
PR-036	Tandem Roller 1.50 T	Rs/Hr	421.22	2150.53	2571.75	420.03	2150.51	2570.54
PR-037	Combination Roller 18 T Single drum Plain Compactor	Rs/Hr	1996.59	5842.77	7839.36	1988.22	5842.77	7830.99
PR-038	Combination Roller 12 T (Single drum Plain Compactor)	Rs/Hr	1335.49	5108.07	6443.56	1327.35	5107.98	6435.33
PR-039	Combination Roller 8T (Single drum Plain Compactor)	Rs/Hr	1262.87	5066.5	6329.37	1255.17	5066.42	6321.59
PR-040	P.T.R. (8 - Wheeler) 24 T	Rs/Hr	1410.61	4620.41	6031.02	1393.67	4620.32	6013.99
PR-041	P.T.R. (8 - Wheeler) 18 T	Rs/Hr	1314.8	4549.74	5864.54	1297.86	4549.74	5847.6
PR-043	Tandem Roller 10 T	Rs/Hr	1376.89	4685.26	6062.15	1370.2	4685.19	6055.39
PR-044	Power Broom	Rs/Hr	19.6	388.27	407.87	14.75	383.95	398.7
PR-045	Bitumen Dist. Tow Type 2000 Liter	Rs/Hr	203.49	1294.24	1497.73	201.66	1294.24	1495.9
PR-046	Bitumen Sprayer (Manual) 250 gallon	Rs/Hr	20.89	584.91	605.8	18.54	584	602.54
PR-047	Chip Spreader up to 3M Wide (attachment)	Rs/Hr	274.83	1360.28	1635.11	266.71	1357.12	1623.83
PR-048	Asphalt Plant 140 T	Rs/Hr	22153.29	29154.53	51307.82	22016.54	29086.15	51102.69
PR-049	Asphalt Plant 120 T	Rs/Hr	21499.08	26893.44	48392.52	21413.94	26850.87	48264.81
PR-050	Asphalt Plant 40 T	Rs/Hr	4655.66	12925.77	17581.43	4589.94	12892.91	17482.85
PR-051	Asphalt Plant 20 T	Rs/Hr	3713.81	6278.43	9992.24	3668.37	6255.71	9924.08
PR-052	Asphalt Paver basic width 3m,max 5.9m Wide	Rs/Hr	7627.59	13302.54	20930.13	7615.17	13296.33	20911.5
PR-053	Asphalt Paver ( width 2.4-4.7 m)	Rs/Hr	7232.33	13371.75	20604.08	7221.67	13366.42	20588.09
PR-054	Cold Milling Machine 2 M Wide	Rs/Hr	5934.95	14019.46	19954.41	5905.04	14019.46	19924.5
PR-055	Hand Push high Pressure Cold and Rubber Paint Marking Machine	Rs/Hr	528.32	965.75	1494.07	526.27	965.75	1492.02
PR-056	Aggregate Spreader Up to 3M Wide	Rs/Hr	7232.33	13371.75	20604.08	7221.67	13366.42	20588.09
PR-057	Asphalt Cutter	Rs/Hr	19.48	555.04	574.52	19.35	555.04	574.39
PR-058	Rock Crushing & Screening (200 T/Hr)	Rs/Hr	9734.26	5615.19	15349.45	9646.03	5584.31	15230.34
PR-060	Asphalt Recycling Machine 0 to 60mm depth - 3 to 4m width  120 tons/hr	Rs/Hr	36377.62	19627.3	56004.92	36326.91	19627.3	55954.21
PR-061	Hand Push Thermoplastic Road Marking Machine with double cylinder preheater	Rs/Hr	993.12	1683.65	2676.77	975.81	1683.65	2659.46
PR-062	Cordless Drill Machine	Rs/Hr	1.67	543.12	544.79	1.66	543.12	544.78
PR-063	Crawler Rock driller	Rs/Hr	2514.18	8074.56	10588.74	2506.42	8074.56	10580.98
PS-064	Grouting Machine(electric) out put 3.6 cum/hr	Rs/Hr	50.81	1233.28	1284.09	50.15	1233.28	1283.43
PS-065	Hydraulic jack with pump upto 2000 Ton	Rs/Hr	457.45	1281.72	1739.17	453.04	1281.72	1734.76
PR-066	Guard Rail Pile Driver Machine	Rs/Hr	240.47	2039.66	2280.13	228.03	2039.66	2267.69
PS-071	Concrete Batching Plant 25m3/hr	Rs/Hr	5258.7	5740.5	10999.2	5241.06	5734.33	10975.39
PS-072	Concrete Static Mixer 1 Cum	Rs/Hr	857.54	1144.97	2002.51	848.72	1141.88	1990.6
PS-073	Concrete Static Mixer 1/4 Cum	Rs/Hr	60.39	1028.47	1088.86	51.57	1025.39	1076.96
PS-074	Concrete Transit Mixer 6 Cum	Rs/Hr	2388.9	3068.98	5457.88	2378.32	3068.98	5447.3
PS-075	Concrete Transit Mixer 4 Cum	Rs/Hr	1457.76	2681.72	4139.48	1448.94	2681.72	4130.66
PS-076	Stressing Equipment for 6500 KN force with electric power	Rs/Hr	215.64	1284.78	1500.42	213.84	1284.78	1498.62
PS-077	Concrete Cutter	Rs/Hr	19.48	555.04	574.52	19.35	555.04	574.39
PS-078	Piling Rig (dia up to 1m)	Rs/Hr	12890.26	15835.78	28726.04	12607.94	15694.62	28302.56
PS-079	Piling Rig (Dia 1m to 2m)	Rs/Hr	28771.48	28751.91	57523.39	28649.37	28690.85	57340.22

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

Codes	Description	Unit	Ghotki			Hyderabad		
			Owning Cost	Operating Cost	Total Cost	Owning Cost	Operating Cost	Total Cost
PS-080	Vibrator (Poker 1.5 ")	Rs/Hr	4.48	633.09	637.57	4.47	633.09	637.56
PS-081	Percussion Boring Rig (Diesel)	Rs/Hr	2476.73	10223.2	12699.93	2406.15	10187.91	12594.06
PS-082	Concrete Pump 33 m with tuck chassis	Rs/Hr	2542.11	16215.46	18757.57	2379.77	16134.29	18514.06
PS-083	Girder Launcher (Erecting Capacity max 200 ton)	Rs/Hr	6449.64	5016.3	11465.94	6220.02	4926.74	11146.76
PS-084	Tripod & Chain Pulley (20 Ton)	Rs/Hr	85.6	846.88	932.48	71.48	846.88	918.36
PS-085	Shotcrete Machine 5-8 cum/hr	Rs/Hr	387.12	2337.48	2724.6	385.34	2336.78	2722.12
PS-086	Concrete Slip form Paver 2 to 6m for Road Pavement	Rs/Hr	13287.95	15088.1	28376.05	13259.71	15088.1	28347.81
PS-087	Concrete Slip form Paver for Barrier,curbs,sidewalk up to 3 m	Rs/Hr	5819.46	8772.14	14591.6	5793.34	8772.14	14565.48
PR-088	Asphalt Static Mixer 1 Cum	Rs/Hr	663.17	1076.94	1740.11	654.35	1073.85	1728.2
PS-089	Straight Rotary machine up to 250 mm dia with all tools	Rs/Hr	127.6	1600.45	1728.05	120.54	1590.64	1711.18
PX-090	Submersible Slug Pump with 65 ft Head	Rs/Hr	15.4	93.09	108.49	15.32	93.06	108.38
PX-091	Tractor 80 HP	Rs/Hr	163.07	2946.63	3109.7	160.37	2946.63	3107
PX-092	Tractor 50 HP	Rs/Hr	64.97	1881.92	1946.89	63.52	1881.92	1945.44
PX-093	Water Tank Bowser Type 12000 Liter	Rs/Hr	648.47	5980.95	6629.42	632.59	5980.95	6613.54
PX-094	Water Tank Tow Type 4000 Liter (Including Tractor)	Rs/Hr	158.62	2024.22	2182.84	150.98	2024.22	2175.2
PX-095	Flat Body Truck pay load upto 8 ton	Rs/Hr	368.22	5475.61	5843.83	364.27	5475.61	5839.88
PX-096	Sedan Car 1300 cc	Rs/Hr	250.82	2149.82	2400.64	249.69	2149.82	2399.51
PX-097	Sedan Car 1000 cc	Rs/Hr	200.71	1449.83	1650.54	199.8	1449.83	1649.63
PX-098	Pickup 2800 cc 4 x 4	Rs/Hr	640.99	2664.74	3305.73	639.19	2664.74	3303.93
PX-099	Pickup 2200 cc 4 x 2	Rs/Hr	353.77	1805.61	2159.38	351.98	1805.61	2157.59
PX-100	Pickup 800 cc 4 x 2	Rs/Hr	100.4	888.12	988.52	99.83	888.12	987.95
PX-101	Jeep 1300 cc 4 x 4	Rs/Hr	415.15	1534.07	1949.22	414.44	1534.07	1948.51
PX-102	Trailer Low Bed 30 ton	Rs/Hr	929.52	6530.43	7459.95	920.2	6530.43	7450.63
PX-103	Crane up to 55 Ton	Rs/Hr	2999.29	10530.96	13530.25	2969.73	10530.96	13500.69
PX-104	Crane Upto 25 ton	Rs/Hr	1881.15	9330.97	11212.12	1857.94	9330.97	11188.91
PX-105	Electric Diaphragm Pump	Rs/Hr	28.45	135.12	163.57	28.01	134.95	162.96
PX-106	Sand Blasting Machine	Rs/Hr	308.24	953.85	1262.09	307.68	953.85	1261.53
PX-107	Dump Truck 30 ton (18 cum)	Rs/Hr	2022.37	10283.02	12305.39	2013.9	10283.02	12296.92
PX-108	Tractor with Trolley (8 ton)	Rs/Hr	161.79	2659.43	2821.22	159.77	2659.43	2819.2
PX-109	Welding Plant	Rs/Hr	2.85	95.06	97.91	2.77	95.03	97.8
PX-110	Generator (Diesel) 150 kVa	Rs/Hr	168.02	7464.57	7632.59	166.6	7464.02	7630.62
PX-111	Generator (Diesel) 250 kVa	Rs/Hr	301.16	11123.25	11424.41	299.15	11122.47	11421.62
PX-112	Diesel Tanker 25000 Liter with Pump	Rs/Hr	630.02	7573.01	8203.03	605.32	7573.01	8178.33
PX-113	Forging /Shape Machine	Rs/Hr	31.24	628.29	659.53	30.8	628.29	659.09
PX-114	Generator (Diesel) 50 KVA	Rs/Hr	88.22	2700.74	2788.96	87.51	2700.47	2787.98
PX-115	Diesel Tanker 12000 Liter with Pump	Rs/Hr	314.16	4105	4419.16	296.51	4105	4401.51
PX-116	Diesel Tanker 5000 Liter with Pump	Rs/Hr	252.05	3172	3424.05	243.46	3172	3415.46
PX-117	Diesel Generator 20 KVA	Rs/Hr	63.98	2058.82	2122.8	63.5	2058.63	2122.13
PX-118	Diesel Generator 5 KVA	Rs/Hr	13.33	1020.27	1033.6	13.27	1020.25	1033.52
PX-119	Steel Rolling Machine	Rs/Hr	79.55	401.2	480.75	76.73	400.1	476.83
PX-120	Diesel Generator 13 KVA	Rs/Hr	62.94	1485.73	1548.67	62.88	1485.7	1548.58

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

Codes	Description	Unit	Jacobabad			Jamshoro		
			Owning Cost	Operating Cost	Total Cost	Owning Cost	Operating Cost	Total Cost
PE-001	Bulldozer-264 HP (Crawler Dozer-Track Type) with Blade Capacity 7 cum	Rs/Hr	4491.43	10950.13	15441.56	4470.31	10950.13	15420.44
PE-002	Bulldozer-200 HP (Crawler Dozer-Track Type) with Blade Capacity 4.4 cum	Rs/Hr	2996.8	8952.63	11949.43	2981.21	8952.63	11933.84
PE-003	Bulldozer-130 HP (Crawler Dozer-Track Type) with Blade Capacity 2.7 cum	Rs/Hr	2738.73	7010.58	9749.31	2729.45	7010.58	9740.03
PE-004	Wheel Loader 187HP with Bucket Capacity 3.3 cum	Rs/Hr	3585.43	7426.91	11012.34	3573.18	7426.91	11000.09
PE-005	Wheel Loader 166 HP with Bucket Capacity 2.8 cum	Rs/Hr	2829.39	6465.35	9294.74	2819.19	6465.35	9284.54
PE-006	Wheel Loader 135 HP with Bucket Capacity 1.90 cum	Rs/Hr	2637.7	5425.89	8063.59	2629.62	5425.89	8055.51
PE-008	Dumper loading Capacity 18 T	Rs/Hr	1499	3235.62	4734.62	1488.95	3235.62	4724.57
PE-009	Dumper loading Capacity 10 T	Rs/Hr	885.68	3034.96	3920.64	879.79	3034.96	3914.75
PE-010	Excavator (Track Type) 100 HP	Rs/Hr	2324.3	7909.08	10233.38	2308.17	7909.08	10217.25
PE-011	Compressor 300 CFM	Rs/Hr	410.63	7364.83	7775.46	409.11	7364.83	7773.94
PE-012	Rock Driller -Pneumatic-plug	Rs/Hr	21.56	584.17	605.73	21.54	584.16	605.7
PE-013	Electric Saw	Rs/Hr	1.37	547.13	548.5	1.37	547.13	548.5
PE-014	Petrol Motorized Chain Saw	Rs/Hr	8.83	335.05	343.88	8.83	326.72	335.55
PE-015	Electric Breaker (Demolition Hammer)	Rs/Hr	15.65	549.45	565.1	15.63	549.45	565.08
PE-016	Plate Compactor	Rs/Hr	85.97	1034.93	1120.9	85.59	1034.78	1120.37
PE-017	Pugmill 40 Tons per hour	Rs/Hr	1092.62	8896.63	9989.25	946.47	8896.63	9843.1
PR-018	Combination Roller 18 T Single drum Pad/Sheep Foot Compactor	Rs/Hr	2195.18	6579.9	8775.08	2186.23	6579.8	8766.03
PR-019	Combination Roller 12 T (Single drum Pad/Sheep Foot Compactor)	Rs/Hr	1468	5124.67	6592.67	1459.3	5124.57	6583.87
PR-020	Combination Roller 8T (Single drum Pad/Sheep Foot Compactor)	Rs/Hr	1388.17	5077.25	6465.42	1379.94	5077.16	6457.1
PE-021	Excavator (Track Type) 168 HP with Bucket Capacity 0.8 cum	Rs/Hr	2553.96	8280.47	10834.43	2536.69	8280.47	10817.16
PE-022	Excavator (Track Type) 250 HP with Bucket Capacity 1.4 cum	Rs/Hr	2861.33	10960.7	13822.03	2837.87	10960.7	13798.57
PE-023	Excavator (Track Type) 345 HP with Bucket Capacity 2.2 cum	Rs/Hr	3419.34	13905.3	17324.64	3387.85	13905.3	17293.15
PE-024	Jack Hammer side type for Excavator (Track Type) 168 HP with Bucket Capacity 0.9 cum	Rs/Hr	140.57	495.93	636.5	138.37	493.97	632.34
PE-025	Jack Hammer side type for Excavator (Track Type) 265/340 HP with Bucket Capacity 1.6/2.3 cum	Rs/Hr	294.77	633.17	927.94	290.99	629.8	920.79
PS-026	Pipe Layer with lifting weight upto 25 Ton	Rs/Hr	2223.79	8337.91	10561.7	2203.05	8337.91	10540.96
PR-031	Motor Grader 250HP with Blade length 4.32m	Rs/Hr	3985.38	9757.98	13743.36	3970.82	9757.98	13728.8
PR-032	Motor Grader 218HP with Blade length 4.32m	Rs/Hr	3486.03	7986.18	11472.21	3474	7986.18	11460.18
PR-033	Tandem Roller 12 T	Rs/Hr	1762.98	4765.19	6528.17	1754.3	4765.09	6519.39
PR-034	Tandem Roller 8 T	Rs/Hr	1261.15	4501.25	5762.4	1254.17	4501.17	5755.34
PR-035	Tandem Roller 6 T	Rs/Hr	1165.34	2827.62	3992.96	1158.35	2827.54	3985.89
PR-036	Tandem Roller 1.50 T	Rs/Hr	421.28	2150.53	2571.81	420	2150.51	2570.51
PR-037	Combination Roller 18 T Single drum Plain Compactor	Rs/Hr	1996.97	5842.77	7839.74	1988.02	5842.77	7830.79
PR-038	Combination Roller 12 T (Single drum Plain Compactor)	Rs/Hr	1335.86	5108.07	6443.93	1327.16	5107.98	6435.14
PR-039	Combination Roller 8T (Single drum Plain Compactor)	Rs/Hr	1263.22	5066.5	6329.72	1254.99	5066.41	6321.4
PR-040	P.T.R. (8 - Wheeler) 24 T	Rs/Hr	1411.37	4620.41	6031.78	1393.27	4620.32	6013.59
PR-041	P.T.R. (8 - Wheeler) 18 T	Rs/Hr	1315.56	4549.74	5865.3	1297.46	4549.74	5847.2
PR-043	Tandem Roller 10 T	Rs/Hr	1377.19	4685.26	6062.45	1370.04	4685.18	6055.22
PR-044	Power Broom	Rs/Hr	19.82	388.46	408.28	14.63	383.84	398.47
PR-045	Bitumen Dist. Tow Type 2000 Liter	Rs/Hr	203.57	1294.24	1497.81	201.61	1294.24	1495.85
PR-046	Bitumen Sprayer (Manual) 250 gallon	Rs/Hr	21	584.95	605.95	18.48	583.97	602.45
PR-047	Chip Spreader up to 3M Wide (attachment)	Rs/Hr	275.19	1360.43	1635.62	266.52	1357.04	1623.56
PR-048	Asphalt Plant 140 T	Rs/Hr	22159.44	29157.6	51317.04	22013.28	29084.52	51097.8
PR-049	Asphalt Plant 120 T	Rs/Hr	21502.91	26895.35	48398.26	21411.91	26849.85	48261.76
PR-050	Asphalt Plant 40 T	Rs/Hr	4658.62	12927.25	17585.87	4588.37	12892.12	17480.49
PR-051	Asphalt Plant 20 T	Rs/Hr	3715.85	6279.45	9995.3	3667.29	6255.17	9922.46
PR-052	Asphalt Paver basic width 3m,max 5.9m Wide	Rs/Hr	7628.15	13302.82	20930.97	7614.87	13296.18	20911.05
PR-053	Asphalt Paver ( width 2.4-4.7 m)	Rs/Hr	7232.81	13371.99	20604.8	7221.42	13366.29	20587.71
PR-054	Cold Milling Machine 2 M Wide	Rs/Hr	5936.29	14019.46	19955.75	5904.33	14019.46	19923.79
PR-055	Hand Push high Pressure Cold and Rubber Paint Marking Machine	Rs/Hr	528.41	965.75	1494.16	526.22	965.75	1491.97
PR-056	Aggregate Spreader Up to 3M Wide	Rs/Hr	7232.81	13371.99	20604.8	7221.42	13366.29	20587.71
PR-057	Asphalt Cutter	Rs/Hr	19.49	555.04	574.53	19.35	555.04	574.39
PR-058	Rock Crushing & Screening (200 T/Hr)	Rs/Hr	9738.22	5616.58	15354.8	9643.93	5583.57	15227.5
PR-060	Asphalt Recycling Machine 0 to 60mm depth - 3 to 4m width  120 tons/hr	Rs/Hr	36379.9	19627.3	56007.2	36325.7	19627.3	55953
PR-061	Hand Push Thermoplastic Road Marking Machine with double cylinder preheater	Rs/Hr	993.9	1683.65	2677.55	975.4	1683.65	2659.05
PR-062	Cordless Drill Machine	Rs/Hr	1.67	543.12	544.79	1.66	543.12	544.78
PR-063	Crawler Rock driller	Rs/Hr	2514.53	8074.56	10589.09	2506.23	8074.56	10580.79
PS-064	Grouting Machine(electric) out put 3.6 cum/hr	Rs/Hr	50.84	1233.28	1284.12	50.13	1233.28	1283.41
PS-065	Hydraulic jack with pump upto 2000 Ton	Rs/Hr	457.65	1281.72	1739.37	452.93	1281.72	1734.65
PR-066	Guard Rail Pile Driver Machine	Rs/Hr	241.03	2039.66	2280.69	227.74	2039.66	2267.4
PS-071	Concrete Batching Plant 25m3/hr	Rs/Hr	5259.5	5740.78	11000.28	5240.64	5734.18	10974.82
PS-072	Concrete Static Mixer 1 Cum	Rs/Hr	857.94	1145.11	2003.05	848.51	1141.8	1990.31
PS-073	Concrete Static Mixer 1/4 Cum	Rs/Hr	60.79	1028.61	1089.4	51.36	1025.31	1076.67
PS-074	Concrete Transit Mixer 6 Cum	Rs/Hr	2389.38	3068.98	5458.36	2378.07	3068.98	5447.05
PS-075	Concrete Transit Mixer 4 Cum	Rs/Hr	1458.16	2681.72	4139.88	1448.73	2681.72	4130.45
PS-076	Stressing Equipment for 6500 KN force with electric power	Rs/Hr	215.72	1284.78	1500.5	213.79	1284.78	1498.57
PS-077	Concrete Cutter	Rs/Hr	19.49	555.04	574.53	19.35	555.04	574.39
PS-078	Piling Rig (dia up to 1m)	Rs/Hr	12902.95	15842.13	28745.08	12601.21	15691.26	28292.47
PS-079	Piling Rig (Dia 1m to 2m)	Rs/Hr	28776.97	28754.65	57531.62	28646.47	28689.4	57335.87

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

Codes	Description	Unit	Jacobabad			Jamshoro		
			Owning Cost	Operating Cost	Total Cost	Owning Cost	Operating Cost	Total Cost
PS-080	Vibrator (Poker 1.5 ")	Rs/Hr	4.48	633.09	637.57	4.47	633.09	637.56
PS-081	Percussion Boring Rig (Diesel)	Rs/Hr	2479.91	10224.79	12704.7	2404.47	10187.07	12591.54
PS-082	Concrete Pump 33 m with tuck chassis	Rs/Hr	2549.41	16219.11	18768.52	2375.91	16132.36	18508.27
PS-083	Girder Launcher (Erecting Capacity max 200 ton)	Rs/Hr	6459.97	5020.33	11480.3	6214.55	4924.61	11139.16
PS-084	Tripod & Chain Pulley (20 Ton)	Rs/Hr	86.24	846.88	933.12	71.15	846.88	918.03
PS-085	Shotcrete Machine 5-8 cum/hr	Rs/Hr	387.2	2337.51	2724.71	385.3	2336.77	2722.07
PS-086	Concrete Slip form Paver 2 to 6m for Road Pavement	Rs/Hr	13289.22	15088.1	28377.32	13259.04	15088.1	28347.14
PS-087	Concrete Slip form Paver for Barrier,curbs,sidewalk up to 3 m	Rs/Hr	5820.63	8772.14	14592.77	5792.72	8772.14	14564.86
PR-088	Asphalt Static Mixer 1 Cum	Rs/Hr	663.57	1077.08	1740.65	654.14	1073.78	1727.92
PS-089	Straight Rotary machine up to 250 mm dia with all tools	Rs/Hr	127.92	1600.9	1728.82	120.37	1590.4	1710.77
PX-090	Submersible Slug Pump with 65 ft Head	Rs/Hr	15.41	93.09	108.5	15.31	93.05	108.36
PX-091	Tractor 80 HP	Rs/Hr	163.19	2946.63	3109.82	160.3	2946.63	3106.93
PX-092	Tractor 50 HP	Rs/Hr	65.04	1881.92	1946.96	63.48	1881.92	1945.4
PX-093	Water Tank Bowser Type 12000 Liter	Rs/Hr	649.18	5980.95	6630.13	632.21	5980.95	6613.16
PX-094	Water Tank Tow Type 4000 Liter (Including Tractor)	Rs/Hr	158.96	2024.22	2183.18	150.79	2024.22	2175.01
PX-095	Flat Body Truck pay load upto 8 ton	Rs/Hr	368.4	5475.61	5844.01	364.18	5475.61	5839.79
PX-096	Sedan Car 1300 cc	Rs/Hr	250.87	2149.82	2400.69	249.66	2149.82	2399.48
PX-097	Sedan Car 1000 cc	Rs/Hr	200.75	1449.83	1650.58	199.78	1449.83	1649.61
PX-098	Pickup 2800 cc 4 x 4	Rs/Hr	641.07	2664.74	3305.81	639.15	2664.74	3303.89
PX-099	Pickup 2200 cc 4 x 2	Rs/Hr	353.85	1805.61	2159.46	351.93	1805.61	2157.54
PX-100	Pickup 800 cc 4 x 2	Rs/Hr	100.43	888.12	988.55	99.81	888.12	987.93
PX-101	Jeep 1300 cc 4 x 4	Rs/Hr	415.18	1534.07	1949.25	414.43	1534.07	1948.5
PX-102	Trailer Low Bed 30 ton	Rs/Hr	929.94	6530.43	7460.37	919.98	6530.43	7450.41
PX-103	Crane up to 55 Ton	Rs/Hr	3000.62	10530.96	13531.58	2969.03	10530.96	13499.99
PX-104	Crane Upto 25 ton	Rs/Hr	1882.2	9330.97	11213.17	1857.39	9330.97	11188.36
PX-105	Electric Diaphragm Pump	Rs/Hr	28.47	135.13	163.6	28	134.95	162.95
PX-106	Sand Blasting Machine	Rs/Hr	308.27	953.85	1262.12	307.67	953.85	1261.52
PX-107	Dump Truck 30 ton (18 cum)	Rs/Hr	2022.75	10283.02	12305.77	2013.7	10283.02	12296.72
PX-108	Tractor with Trolley (8 ton)	Rs/Hr	161.88	2659.43	2821.31	159.72	2659.43	2819.15
PX-109	Welding Plant	Rs/Hr	2.86	95.06	97.92	2.77	95.03	97.8
PX-110	Generator (Diesel) 150 kVa	Rs/Hr	168.08	7464.6	7632.68	166.56	7464	7630.56
PX-111	Generator (Diesel) 250 kVa	Rs/Hr	301.25	11123.29	11424.54	299.1	11122.45	11421.55
PX-112	Diesel Tanker 25000 Liter with Pump	Rs/Hr	631.13	7573.01	8204.14	604.73	7573.01	8177.74
PX-113	Forging /Shape Machine	Rs/Hr	31.26	628.29	659.55	30.79	628.29	659.08
PX-114	Generator (Diesel) 50 KVA	Rs/Hr	88.25	2700.75	2789	87.49	2700.46	2787.95
PX-115	Diesel Tanker 12000 Liter with Pump	Rs/Hr	314.95	4105	4419.95	296.09	4105	4401.09
PX-116	Diesel Tanker 5000 Liter with Pump	Rs/Hr	252.43	3172	3424.43	243.26	3172	3415.26
PX-117	Diesel Generator 20 KVA	Rs/Hr	64	2058.83	2122.83	63.48	2058.62	2122.1
PX-118	Diesel Generator 5 KVA	Rs/Hr	13.33	1020.27	1033.6	13.27	1020.25	1033.52
PX-119	Steel Rolling Machine	Rs/Hr	79.68	401.25	480.93	76.66	400.07	476.73
PX-120	Diesel Generator 13 KVA	Rs/Hr	62.94	1485.73	1548.67	62.87	1485.7	1548.57

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

Codes	Description	Unit	Karachi Central			Karachi East		
			Owning Cost	Operating Cost	Total Cost	Owning Cost	Operating Cost	Total Cost
PE-001	Bulldozer-264 HP (Crawler Dozer-Track Type) with Blade Capacity 7 cum	Rs/Hr	4463.12	10950.13	15413.25	4463.4	10950.13	15413.53
PE-002	Bulldozer-200 HP (Crawler Dozer-Track Type) with Blade Capacity 4.4 cum	Rs/Hr	2975.9	8952.63	11928.53	2976.1	8952.63	11928.73
PE-003	Bulldozer-130 HP (Crawler Dozer-Track Type) with Blade Capacity 2.7 cum	Rs/Hr	2726.29	7010.58	9736.87	2726.42	7010.58	9737
PE-004	Wheel Loader 187HP with Bucket Capacity 3.3 cum	Rs/Hr	3569	7426.91	10995.91	3569.16	7426.91	10996.07
PE-005	Wheel Loader 166 HP with Bucket Capacity 2.8 cum	Rs/Hr	2815.72	6465.35	9281.07	2815.85	6465.35	9281.2
PE-006	Wheel Loader 135 HP with Bucket Capacity 1.90 cum	Rs/Hr	2626.88	5425.89	8052.77	2626.98	5425.89	8052.87
PE-008	Dumper loading Capacity 18 T	Rs/Hr	1485.52	3235.62	4721.14	1485.65	3235.62	4721.27
PE-009	Dumper loading Capacity 10 T	Rs/Hr	877.79	3034.96	3912.75	877.87	3034.96	3912.83
PE-010	Excavator (Track Type) 100 HP	Rs/Hr	2302.67	7909.08	10211.75	2302.89	7909.08	10211.97
PE-011	Compressor 300 CFM	Rs/Hr	408.59	7364.83	7773.42	408.61	7364.83	7773.44
PE-012	Rock Driller -Pneumatic-plug	Rs/Hr	21.54	584.16	605.7	21.54	584.16	605.7
PE-013	Electric Saw	Rs/Hr	1.37	547.13	548.5	1.37	547.13	548.5
PE-014	Petrol Motorized Chain Saw	Rs/Hr	8.83	379.37	388.2	8.83	414.78	423.61
PE-015	Electric Breaker (Demolition Hammer)	Rs/Hr	15.62	549.45	565.07	15.62	549.45	565.07
PE-016	Plate Compactor	Rs/Hr	85.46	1034.73	1120.19	85.46	1034.73	1120.19
PE-017	Pugmill 40 Tons per hour	Rs/Hr	896.7	8896.63	9793.33	898.63	8896.63	9795.26
PR-018	Combination Roller 18 T Single drum Pad/Sheep Foot Compactor	Rs/Hr	2183.19	6579.77	8762.96	2183.31	6579.77	8763.08
PR-019	Combination Roller 12 T (Single drum Pad/Sheep Foot Compactor)	Rs/Hr	1456.34	5124.54	6580.88	1456.45	5124.54	6580.99
PR-020	Combination Roller 8T (Single drum Pad/Sheep Foot Compactor)	Rs/Hr	1377.14	5077.13	6454.27	1377.25	5077.13	6454.38
PE-021	Excavator (Track Type) 168 HP with Bucket Capacity 0.8 cum	Rs/Hr	2530.81	8280.47	10811.28	2531.04	8280.47	10811.51
PE-022	Excavator (Track Type) 250 HP with Bucket Capacity 1.4 cum	Rs/Hr	2829.89	10960.7	13790.59	2830.19	10960.7	13790.89
PE-023	Excavator (Track Type) 345 HP with Bucket Capacity 2.2 cum	Rs/Hr	3377.13	13905.3	17282.43	3377.54	13905.3	17282.84
PE-024	Jack Hammer side type for Excavator (Track Type) 168 HP with Bucket Capacity 0.9 cum	Rs/Hr	137.62	493.3	630.92	137.65	493.33	630.98
PE-025	Jack Hammer side type for Excavator (Track Type) 265/340 HP with Bucket Capacity 1.6/2.3 cum	Rs/Hr	289.71	628.66	918.37	289.76	628.71	918.47
PS-026	Pipe Layer with lifting weight upto 25 Ton	Rs/Hr	2195.99	8337.91	10533.9	2196.26	8337.91	10534.17
PR-031	Motor Grader 250HP with Blade length 4.32m	Rs/Hr	3965.86	9757.98	13723.84	3966.05	9757.98	13724.03
PR-032	Motor Grader 218HP with Blade length 4.32m	Rs/Hr	3469.9	7986.18	11456.08	3470.06	7986.18	11456.24
PR-033	Tandem Roller 12 T	Rs/Hr	1751.35	4765.06	6516.41	1751.46	4765.06	6516.52
PR-034	Tandem Roller 8 T	Rs/Hr	1251.79	4501.15	5752.94	1251.88	4501.15	5753.03
PR-035	Tandem Roller 6 T	Rs/Hr	1155.98	2827.51	3983.49	1156.07	2827.51	3983.58
PR-036	Tandem Roller 1.50 T	Rs/Hr	419.56	2150.5	2570.06	419.58	2150.5	2570.08
PR-037	Combination Roller 18 T Single drum Plain Compactor	Rs/Hr	1984.98	5842.77	7827.75	1985.1	5842.77	7827.87
PR-038	Combination Roller 12 T (Single drum Plain Compactor)	Rs/Hr	1324.2	5107.94	6432.14	1324.31	5107.94	6432.25
PR-039	Combination Roller 8T (Single drum Plain Compactor)	Rs/Hr	1252.19	5066.38	6318.57	1252.3	5066.38	6318.68
PR-040	P.T.R. (8 - Wheeler) 24 T	Rs/Hr	1387.11	4620.29	6007.4	1387.34	4620.29	6007.63
PR-041	P.T.R. (8 - Wheeler) 18 T	Rs/Hr	1291.29	4549.74	5841.03	1291.53	4549.74	5841.27
PR-043	Tandem Roller 10 T	Rs/Hr	1367.61	4685.16	6052.77	1367.71	4685.16	6052.87
PR-044	Power Broom	Rs/Hr	12.86	382.27	395.13	12.93	382.33	395.26
PR-045	Bitumen Dist. Tow Type 2000 Liter	Rs/Hr	200.95	1294.24	1495.19	200.97	1294.24	1495.21
PR-046	Bitumen Sprayer (Manual) 250 gallon	Rs/Hr	17.63	583.64	601.27	17.66	583.65	601.31
PR-047	Chip Spreader up to 3M Wide (attachment)	Rs/Hr	263.56	1355.89	1619.45	263.68	1355.94	1619.62
PR-048	Asphalt Plant 140 T	Rs/Hr	21963.52	29059.64	51023.16	21965.45	29060.61	51026.06
PR-049	Asphalt Plant 120 T	Rs/Hr	21380.93	26834.36	48215.29	21382.13	26834.96	48217.09
PR-050	Asphalt Plant 40 T	Rs/Hr	4564.45	12880.16	17444.61	4565.38	12880.63	17446.01
PR-051	Asphalt Plant 20 T	Rs/Hr	3650.76	6246.9	9897.66	3651.4	6247.22	9898.62
PR-052	Asphalt Paver basic width 3m,max 5.9m Wide	Rs/Hr	7610.35	13293.92	20904.27	7610.53	13294.01	20904.54
PR-053	Asphalt Paver ( width 2.4-4.7 m)	Rs/Hr	7217.54	13364.35	20581.89	7217.69	13364.43	20582.12
PR-054	Cold Milling Machine 2 M Wide	Rs/Hr	5893.44	14019.46	19912.9	5893.86	14019.46	19913.32
PR-055	Hand Push high Pressure Cold and Rubber Paint Marking Machine	Rs/Hr	525.48	965.75	1491.23	525.51	965.75	1491.26
PR-056	Aggregate Spreader Up to 3M Wide	Rs/Hr	7217.54	13364.35	20581.89	7217.69	13364.43	20582.12
PR-057	Asphalt Cutter	Rs/Hr	19.3	555.04	574.34	19.3	555.04	574.34
PR-058	Rock Crushing & Screening (200 T/Hr)	Rs/Hr	9611.82	5572.34	15184.16	9613.07	5572.77	15185.84
PR-060	Asphalt Recycling Machine 0 to 60mm depth - 3 to 4m width  120 tons/hr	Rs/Hr	36307.25	19627.3	55934.55	36307.96	19627.3	55935.26
PR-061	Hand Push Thermoplastic Road Marking Machine with double cylinder preheater	Rs/Hr	969.1	1683.65	2652.75	969.35	1683.65	2653
PR-062	Cordless Drill Machine	Rs/Hr	1.66	543.12	544.78	1.66	543.12	544.78
PR-063	Crawler Rock driller	Rs/Hr	2503.41	8074.56	10577.97	2503.52	8074.56	10578.08
PS-064	Grouting Machine(electric) out put 3.6 cum/hr	Rs/Hr	49.89	1233.28	1283.17	49.9	1233.28	1283.18
PS-065	Hydraulic jack with pump upto 2000 Ton	Rs/Hr	451.33	1281.72	1733.05	451.39	1281.72	1733.11
PR-066	Guard Rail Pile Driver Machine	Rs/Hr	223.21	2039.66	2262.87	223.38	2039.66	2263.04
PS-071	Concrete Batching Plant 25m3/hr	Rs/Hr	5234.22	5731.93	10966.15	5234.47	5732.02	10966.49
PS-072	Concrete Static Mixer 1 Cum	Rs/Hr	845.3	1140.68	1985.98	845.42	1140.72	1986.14
PS-073	Concrete Static Mixer 1/4 Cum	Rs/Hr	48.15	1024.19	1072.34	48.27	1024.23	1072.5
PS-074	Concrete Transit Mixer 6 Cum	Rs/Hr	2374.21	3068.98	5443.19	2374.36	3068.98	5443.34
PS-075	Concrete Transit Mixer 4 Cum	Rs/Hr	1445.52	2681.72	4127.24	1445.64	2681.72	4127.36
PS-076	Stressing Equipment for 6500 KN force with electric power	Rs/Hr	213.14	1284.78	1497.92	213.16	1284.78	1497.94
PS-077	Concrete Cutter	Rs/Hr	19.3	555.04	574.34	19.3	555.04	574.34
PS-078	Piling Rig (dia up to 1m)	Rs/Hr	12498.47	15639.89	28138.36	12502.46	15641.88	28144.34
PS-079	Piling Rig (Dia 1m to 2m)	Rs/Hr	28602.03	28667.18	57269.21	28603.75	28668.04	57271.79

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

Codes	Description	Unit	Karachi Central			Karachi East		
			Owning Cost	Operating Cost	Total Cost	Owning Cost	Operating Cost	Total Cost
PS-080	Vibrator (Poker 1.5 ")	Rs/Hr	4.47	633.09	637.56	4.47	633.09	637.56
PS-081	Percussion Boring Rig (Diesel)	Rs/Hr	2378.79	10174.23	12553.02	2379.78	10174.73	12554.51
PS-082	Concrete Pump 33 m with tuck chassis	Rs/Hr	2316.83	16102.82	18419.65	2319.12	16103.97	18423.09
PS-083	Girder Launcher (Erecting Capacity max 200 ton)	Rs/Hr	6130.99	4892.02	11023.01	6134.23	4893.29	11027.52
PS-084	Tripod & Chain Pulley (20 Ton)	Rs/Hr	66.01	846.88	912.89	66.21	846.88	913.09
PS-085	Shotcrete Machine 5-8 cum/hr	Rs/Hr	384.65	2336.51	2721.16	384.67	2336.52	2721.19
PS-086	Concrete Slip form Paver 2 to 6m for Road Pavement	Rs/Hr	13248.77	15088.1	28336.87	13249.17	15088.1	28337.27
PS-087	Concrete Slip form Paver for Barrier,curbs,sidewalk up to 3 m	Rs/Hr	5783.22	8772.14	14555.36	5783.58	8772.14	14555.72
PR-088	Asphalt Static Mixer 1 Cum	Rs/Hr	650.93	1072.65	1723.58	651.05	1072.69	1723.74
PS-089	Straight Rotary machine up to 250 mm dia with all tools	Rs/Hr	117.81	1586.85	1704.66	117.91	1586.99	1704.9
PX-090	Submersible Slug Pump with 65 ft Head	Rs/Hr	15.28	93.04	108.32	15.28	93.04	108.32
PX-091	Tractor 80 HP	Rs/Hr	159.32	2946.63	3105.95	159.36	2946.63	3105.99
PX-092	Tractor 50 HP	Rs/Hr	62.95	1881.92	1944.87	62.97	1881.92	1944.89
PX-093	Water Tank Bowser Type 12000 Liter	Rs/Hr	626.43	5980.95	6607.38	626.66	5980.95	6607.61
PX-094	Water Tank Tow Type 4000 Liter (Including Tractor)	Rs/Hr	148.01	2024.22	2172.23	148.12	2024.22	2172.34
PX-095	Flat Body Truck pay load upto 8 ton	Rs/Hr	362.74	5475.61	5838.35	362.8	5475.61	5838.41
PX-096	Sedan Car 1300 cc	Rs/Hr	249.25	2149.82	2399.07	249.27	2149.82	2399.09
PX-097	Sedan Car 1000 cc	Rs/Hr	199.44	1449.83	1649.27	199.46	1449.83	1649.29
PX-098	Pickup 2800 cc 4 x 4	Rs/Hr	638.5	2664.74	3303.24	638.53	2664.74	3303.27
PX-099	Pickup 2200 cc 4 x 2	Rs/Hr	351.28	1805.61	2156.89	351.31	1805.61	2156.92
PX-100	Pickup 800 cc 4 x 2	Rs/Hr	99.6	888.12	987.72	99.61	888.12	987.73
PX-101	Jeep 1300 cc 4 x 4	Rs/Hr	414.17	1534.07	1948.24	414.18	1534.07	1948.25
PX-102	Trailer Low Bed 30 ton	Rs/Hr	916.59	6530.43	7447.02	916.72	6530.43	7447.15
PX-103	Crane up to 55 Ton	Rs/Hr	2958.27	10530.96	13489.23	2958.69	10530.96	13489.65
PX-104	Crane Upto 25 ton	Rs/Hr	1848.94	9330.97	11179.91	1849.27	9330.97	11180.24
PX-105	Electric Diaphragm Pump	Rs/Hr	27.84	134.89	162.73	27.85	134.89	162.74
PX-106	Sand Blasting Machine	Rs/Hr	307.46	953.85	1261.31	307.47	953.85	1261.32
PX-107	Dump Truck 30 ton (18 cum)	Rs/Hr	2010.62	10283.02	12293.64	2010.73	10283.02	12293.75
PX-108	Tractor with Trolley (8 ton)	Rs/Hr	158.98	2659.43	2818.41	159.01	2659.43	2818.44
PX-109	Welding Plant	Rs/Hr	2.74	95.02	97.76	2.74	95.02	97.76
PX-110	Generator (Diesel) 150 kVa	Rs/Hr	166.04	7463.8	7629.84	166.06	7463.81	7629.87
PX-111	Generator (Diesel) 250 kVa	Rs/Hr	298.37	11122.16	11420.53	298.4	11122.18	11420.58
PX-112	Diesel Tanker 25000 Liter with Pump	Rs/Hr	595.74	7573.01	8168.75	596.09	7573.01	8169.1
PX-113	Forging /Shape Machine	Rs/Hr	30.63	628.29	658.92	30.64	628.29	658.93
PX-114	Generator (Diesel) 50 KVA	Rs/Hr	87.23	2700.36	2787.59	87.24	2700.36	2787.6
PX-115	Diesel Tanker 12000 Liter with Pump	Rs/Hr	289.67	4105	4394.67	289.92	4105	4394.92
PX-116	Diesel Tanker 5000 Liter with Pump	Rs/Hr	240.13	3172	3412.13	240.25	3172	3412.25
PX-117	Diesel Generator 20 KVA	Rs/Hr	63.31	2058.56	2121.87	63.32	2058.56	2121.88
PX-118	Diesel Generator 5 KVA	Rs/Hr	13.24	1020.23	1033.47	13.24	1020.23	1033.47
PX-119	Steel Rolling Machine	Rs/Hr	75.64	399.68	475.32	75.68	399.69	475.37
PX-120	Diesel Generator 13 KVA	Rs/Hr	62.85	1485.69	1548.54	62.85	1485.69	1548.54



## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

Codes	Description	Unit	Karachi South			Karachi West		
			Owning Cost	Operating Cost	Total Cost	Owning Cost	Operating Cost	Total Cost
PE-001	Bulldozer-264 HP (Crawler Dozer-Track Type) with Blade Capacity 7 cum	Rs/Hr	4463.61	10950.13	15413.74	4463.92	10950.13	15414.05
PE-002	Bulldozer-200 HP (Crawler Dozer-Track Type) with Blade Capacity 4.4 cum	Rs/Hr	2976.26	8952.63	11928.89	2976.49	8952.63	11929.12
PE-003	Bulldozer-130 HP (Crawler Dozer-Track Type) with Blade Capacity 2.7 cum	Rs/Hr	2726.51	7010.58	9737.09	2726.65	7010.58	9737.23
PE-004	Wheel Loader 187HP with Bucket Capacity 3.3 cum	Rs/Hr	3569.29	7426.91	10996.2	3569.47	7426.91	10996.38
PE-005	Wheel Loader 166 HP with Bucket Capacity 2.8 cum	Rs/Hr	2815.95	6465.35	9281.3	2816.1	6465.35	9281.45
PE-006	Wheel Loader 135 HP with Bucket Capacity 1.90 cum	Rs/Hr	2627.06	5425.89	8052.95	2627.18	5425.89	8053.07
PE-008	Dumper loading Capacity 18 T	Rs/Hr	1485.75	3235.62	4721.37	1485.9	3235.62	4721.52
PE-009	Dumper loading Capacity 10 T	Rs/Hr	877.92	3034.96	3912.88	878.01	3034.96	3912.97
PE-010	Excavator (Track Type) 100 HP	Rs/Hr	2303.05	7909.08	10212.13	2303.28	7909.08	10212.36
PE-011	Compressor 300 CFM	Rs/Hr	408.62	7364.83	7773.45	408.65	7364.83	7773.48
PE-012	Rock Driller -Pneumatic-plug	Rs/Hr	21.54	584.16	605.7	21.54	584.16	605.7
PE-013	Electric Saw	Rs/Hr	1.37	547.13	548.5	1.37	547.13	548.5
PE-014	Petrol Motorized Chain Saw	Rs/Hr	8.83	379.37	388.2	8.83	374.61	383.44
PE-015	Electric Breaker (Demolition Hammer)	Rs/Hr	15.62	549.45	565.07	15.62	549.45	565.07
PE-016	Plate Compactor	Rs/Hr	85.47	1034.73	1120.2	85.47	1034.73	1120.2
PE-017	Pugmill 40 Tons per hour	Rs/Hr	900.08	8896.63	9796.71	902.24	8896.63	9798.87
PR-018	Combination Roller 18 T Single drum Pad/Sheep Foot Compactor	Rs/Hr	2183.39	6579.77	8763.16	2183.53	6579.77	8763.3
PR-019	Combination Roller 12 T (Single drum Pad/Sheep Foot Compactor)	Rs/Hr	1456.54	5124.54	6581.08	1456.67	5124.54	6581.21
PR-020	Combination Roller 8T (Single drum Pad/Sheep Foot Compactor)	Rs/Hr	1377.33	5077.13	6454.46	1377.45	5077.13	6454.58
PE-021	Excavator (Track Type) 168 HP with Bucket Capacity 0.8 cum	Rs/Hr	2531.21	8280.47	10811.68	2531.46	8280.47	10811.93
PE-022	Excavator (Track Type) 250 HP with Bucket Capacity 1.4 cum	Rs/Hr	2830.43	10960.7	13791.13	2830.77	10960.7	13791.47
PE-023	Excavator (Track Type) 345 HP with Bucket Capacity 2.2 cum	Rs/Hr	3377.86	13905.3	17283.16	3378.32	13905.3	17283.62
PE-024	Jack Hammer side type for Excavator (Track Type) 168 HP with Bucket Capacity 0.9 cum	Rs/Hr	137.67	493.35	631.02	137.7	493.37	631.07
PE-025	Jack Hammer side type for Excavator (Track Type) 265/340 HP with Bucket Capacity 1.6/2.3 cum	Rs/Hr	289.8	628.74	918.54	289.85	628.79	918.64
PS-026	Pipe Layer with lifting weight upto 25 Ton	Rs/Hr	2196.46	8337.91	10534.37	2196.77	8337.91	10534.68
PR-031	Motor Grader 250HP with Blade length 4.32m	Rs/Hr	3966.2	9757.98	13724.18	3966.41	9757.98	13724.39
PR-032	Motor Grader 218HP with Blade length 4.32m	Rs/Hr	3470.18	7986.18	11456.36	3470.36	7986.18	11456.54
PR-033	Tandem Roller 12 T	Rs/Hr	1751.55	4765.06	6516.61	1751.68	4765.06	6516.74
PR-034	Tandem Roller 8 T	Rs/Hr	1251.95	4501.15	5753.1	1252.05	4501.15	5753.2
PR-035	Tandem Roller 6 T	Rs/Hr	1156.14	2827.51	3983.65	1156.24	2827.52	3983.76
PR-036	Tandem Roller 1.50 T	Rs/Hr	419.59	2150.5	2570.09	419.61	2150.5	2570.11
PR-037	Combination Roller 18 T Single drum Plain Compactor	Rs/Hr	1985.18	5842.77	7827.95	1985.32	5842.77	7828.09
PR-038	Combination Roller 12 T (Single drum Plain Compactor)	Rs/Hr	1324.4	5107.94	6432.34	1324.53	5107.95	6432.48
PR-039	Combination Roller 8T (Single drum Plain Compactor)	Rs/Hr	1252.38	5066.38	6318.76	1252.5	5066.39	6318.89
PR-040	P.T.R. (8 - Wheeler) 24 T	Rs/Hr	1387.52	4620.29	6007.81	1387.79	4620.29	6008.08
PR-041	P.T.R. (8 - Wheeler) 18 T	Rs/Hr	1291.71	4549.74	5841.45	1291.98	4549.74	5841.72
PR-043	Tandem Roller 10 T	Rs/Hr	1367.78	4685.16	6052.94	1367.88	4685.16	6053.04
PR-044	Power Broom	Rs/Hr	12.98	382.37	395.35	13.06	382.44	395.5
PR-045	Bitumen Dist. Tow Type 2000 Liter	Rs/Hr	200.99	1294.24	1495.23	201.02	1294.24	1495.26
PR-046	Bitumen Sprayer (Manual) 250 gallon	Rs/Hr	17.68	583.66	601.34	17.72	583.68	601.4
PR-047	Chip Spreader up to 3M Wide (attachment)	Rs/Hr	263.76	1355.97	1619.73	263.89	1356.02	1619.91
PR-048	Asphalt Plant 140 T	Rs/Hr	21966.89	29061.33	51028.22	21969.06	29062.41	51031.47
PR-049	Asphalt Plant 120 T	Rs/Hr	21383.03	26835.41	48218.44	21384.38	26836.09	48220.47
PR-050	Asphalt Plant 40 T	Rs/Hr	4566.07	12880.97	17447.04	4567.11	12881.49	17448.6
PR-051	Asphalt Plant 20 T	Rs/Hr	3651.88	6247.46	9899.34	3652.6	6247.82	9900.42
PR-052	Asphalt Paver basic width 3m,max 5.9m Wide	Rs/Hr	7610.66	13294.07	20904.73	7610.86	13294.17	20905.03
PR-053	Asphalt Paver ( width 2.4-4.7 m)	Rs/Hr	7217.8	13364.48	20582.28	7217.97	13364.57	20582.54
PR-054	Cold Milling Machine 2 M Wide	Rs/Hr	5894.18	14019.46	19913.64	5894.65	14019.46	19914.11
PR-055	Hand Push high Pressure Cold and Rubber Paint Marking Machine	Rs/Hr	525.53	965.75	1491.28	525.56	965.75	1491.31
PR-056	Aggregate Spreader Up to 3M Wide	Rs/Hr	7217.8	13364.48	20582.28	7217.97	13364.57	20582.54
PR-057	Asphalt Cutter	Rs/Hr	19.3	555.04	574.34	19.3	555.04	574.34
PR-058	Rock Crushing & Screening (200 T/Hr)	Rs/Hr	9614	5573.1	15187.1	9615.4	5573.59	15188.99
PR-060	Asphalt Recycling Machine 0 to 60mm depth - 3 to 4m width  120 tons/hr	Rs/Hr	36308.5	19627.3	55935.8	36309.3	19627.3	55936.6
PR-061	Hand Push Thermoplastic Road Marking Machine with double cylinder preheater	Rs/Hr	969.53	1683.65	2653.18	969.8	1683.65	2653.45
PR-062	Cordless Drill Machine	Rs/Hr	1.66	543.12	544.78	1.66	543.12	544.78
PR-063	Crawler Rock driller	Rs/Hr	2503.6	8074.56	10578.16	2503.72	8074.56	10578.28
PS-064	Grouting Machine(electric) out put 3.6 cum/hr	Rs/Hr	49.91	1233.28	1283.19	49.92	1233.28	1283.2
PS-065	Hydraulic jack with pump upto 2000 Ton	Rs/Hr	451.43	1281.72	1733.15	451.5	1281.72	1733.22
PR-066	Guard Rail Pile Driver Machine	Rs/Hr	223.52	2039.66	2263.18	223.71	2039.66	2263.37
PS-071	Concrete Batching Plant 25m3/hr	Rs/Hr	5234.65	5732.08	10966.73	5234.93	5732.18	10967.11
PS-072	Concrete Static Mixer 1 Cum	Rs/Hr	845.52	1140.76	1986.28	845.66	1140.81	1986.47
PS-073	Concrete Static Mixer 1/4 Cum	Rs/Hr	48.37	1024.27	1072.64	48.5	1024.31	1072.81
PS-074	Concrete Transit Mixer 6 Cum	Rs/Hr	2374.47	3068.98	5443.45	2374.64	3068.98	5443.62
PS-075	Concrete Transit Mixer 4 Cum	Rs/Hr	1445.74	2681.72	4127.46	1445.88	2681.72	4127.6
PS-076	Stressing Equipment for 6500 KN force with electric power	Rs/Hr	213.18	1284.78	1497.96	213.21	1284.78	1497.99
PS-077	Concrete Cutter	Rs/Hr	19.3	555.04	574.34	19.3	555.04	574.34
PS-078	Piling Rig (dia up to 1m)	Rs/Hr	12505.44	15643.37	28148.81	12509.91	15645.61	28155.52
PS-079	Piling Rig (Dia 1m to 2m)	Rs/Hr	28605.05	28668.69	57273.74	28606.98	28669.66	57276.64

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

Codes	Description	Unit	Karachi South			Karachi West		
			Owning Cost	Operating Cost	Total Cost	Owning Cost	Operating Cost	Total Cost
PS-080	Vibrator (Poker 1.5 ")	Rs/Hr	4.47	633.09	637.56	4.47	633.09	637.56
PS-081	Percussion Boring Rig (Diesel)	Rs/Hr	2380.53	10175.1	12555.63	2381.65	10175.66	12557.31
PS-082	Concrete Pump 33 m with tuck chassis	Rs/Hr	2320.84	16104.83	18425.67	2323.41	16106.11	18429.52
PS-083	Girder Launcher (Erecting Capacity max 200 ton)	Rs/Hr	6136.66	4894.23	11030.89	6140.29	4895.65	11035.94
PS-084	Tripod & Chain Pulley (20 Ton)	Rs/Hr	66.36	846.88	913.24	66.58	846.88	913.46
PS-085	Shotcrete Machine 5-8 cum/hr	Rs/Hr	384.69	2336.53	2721.22	384.72	2336.54	2721.26
PS-086	Concrete Slip form Paver 2 to 6m for Road Pavement	Rs/Hr	13249.46	15088.1	28337.56	13249.91	15088.1	28338.01
PS-087	Concrete Slip form Paver for Barrier,curbs,sidewalk up to 3 m	Rs/Hr	5783.86	8772.14	14556	5784.27	8772.14	14556.41
PR-088	Asphalt Static Mixer 1 Cum	Rs/Hr	651.15	1072.73	1723.88	651.29	1072.78	1724.07
PS-089	Straight Rotary machine up to 250 mm dia with all tools	Rs/Hr	117.98	1587.08	1705.06	118.09	1587.24	1705.33
PX-090	Submersible Slug Pump with 65 ft Head	Rs/Hr	15.28	93.04	108.32	15.29	93.05	108.34
PX-091	Tractor 80 HP	Rs/Hr	159.39	2946.63	3106.02	159.43	2946.63	3106.06
PX-092	Tractor 50 HP	Rs/Hr	62.99	1881.92	1944.91	63.01	1881.92	1944.93
PX-093	Water Tank Bowser Type 12000 Liter	Rs/Hr	626.82	5980.95	6607.77	627.08	5980.95	6608.03
PX-094	Water Tank Tow Type 4000 Liter (Including Tractor)	Rs/Hr	148.2	2024.22	2172.42	148.32	2024.22	2172.54
PX-095	Flat Body Truck pay load upto 8 ton	Rs/Hr	362.84	5475.61	5838.45	362.9	5475.61	5838.51
PX-096	Sedan Car 1300 cc	Rs/Hr	249.28	2149.82	2399.1	249.3	2149.82	2399.12
PX-097	Sedan Car 1000 cc	Rs/Hr	199.47	1449.83	1649.3	199.48	1449.83	1649.31
PX-098	Pickup 2800 cc 4 x 4	Rs/Hr	638.54	2664.74	3303.28	638.57	2664.74	3303.31
PX-099	Pickup 2200 cc 4 x 2	Rs/Hr	351.33	1805.61	2156.94	351.35	1805.61	2156.96
PX-100	Pickup 800 cc 4 x 2	Rs/Hr	99.62	888.12	987.74	99.63	888.12	987.75
PX-101	Jeep 1300 cc 4 x 4	Rs/Hr	414.19	1534.07	1948.26	414.2	1534.07	1948.27
PX-102	Trailer Low Bed 30 ton	Rs/Hr	916.82	6530.43	7447.25	916.97	6530.43	7447.4
PX-103	Crane up to 55 Ton	Rs/Hr	2959	10530.96	13489.96	2959.47	10530.96	13490.43
PX-104	Crane Upto 25 ton	Rs/Hr	1849.51	9330.97	11180.48	1849.88	9330.97	11180.85
PX-105	Electric Diaphragm Pump	Rs/Hr	27.85	134.89	162.74	27.86	134.89	162.75
PX-106	Sand Blasting Machine	Rs/Hr	307.48	953.85	1261.33	307.49	953.85	1261.34
PX-107	Dump Truck 30 ton (18 cum)	Rs/Hr	2010.82	10283.02	12293.84	2010.96	10283.02	12293.98
PX-108	Tractor with Trolley (8 ton)	Rs/Hr	159.03	2659.43	2818.46	159.06	2659.43	2818.49
PX-109	Welding Plant	Rs/Hr	2.74	95.02	97.76	2.75	95.02	97.77
PX-110	Generator (Diesel) 150 kVa	Rs/Hr	166.08	7463.82	7629.9	166.1	7463.82	7629.92
PX-111	Generator (Diesel) 250 kVa	Rs/Hr	298.42	11122.18	11420.6	298.45	11122.2	11420.65
PX-112	Diesel Tanker 25000 Liter with Pump	Rs/Hr	596.35	7573.01	8169.36	596.74	7573.01	8169.75
PX-113	Forging /Shape Machine	Rs/Hr	30.65	628.29	658.94	30.65	628.29	658.94
PX-114	Generator (Diesel) 50 KVA	Rs/Hr	87.25	2700.36	2787.61	87.26	2700.37	2787.63
PX-115	Diesel Tanker 12000 Liter with Pump	Rs/Hr	290.11	4105	4395.11	290.39	4105	4395.39
PX-116	Diesel Tanker 5000 Liter with Pump	Rs/Hr	240.34	3172	3412.34	240.48	3172	3412.48
PX-117	Diesel Generator 20 KVA	Rs/Hr	63.32	2058.56	2121.88	63.33	2058.57	2121.9
PX-118	Diesel Generator 5 KVA	Rs/Hr	13.24	1020.23	1033.47	13.25	1020.24	1033.49
PX-119	Steel Rolling Machine	Rs/Hr	75.71	399.7	475.41	75.75	399.72	475.47
PX-120	Diesel Generator 13 KVA	Rs/Hr	62.85	1485.69	1548.54	62.85	1485.69	1548.54

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

Codes	Description	Unit	Kashmore			Khairpur		
			Owning Cost	Operating Cost	Total Cost	Owning Cost	Operating Cost	Total Cost
PE-001	Bulldozer-264 HP (Crawler Dozer-Track Type) with Blade Capacity 7 cum	Rs/Hr	4494.52	10950.13	15444.65	4485.79	10950.13	15435.92
PE-002	Bulldozer-200 HP (Crawler Dozer-Track Type) with Blade Capacity 4.4 cum	Rs/Hr	2999.08	8952.63	11951.71	2992.63	8952.63	11945.26
PE-003	Bulldozer-130 HP (Crawler Dozer-Track Type) with Blade Capacity 2.7 cum	Rs/Hr	2740.09	7010.58	9750.67	2736.25	7010.58	9746.83
PE-004	Wheel Loader 187HP with Bucket Capacity 3.3 cum	Rs/Hr	3587.22	7426.91	11014.13	3582.16	7426.91	11009.07
PE-005	Wheel Loader 166 HP with Bucket Capacity 2.8 cum	Rs/Hr	2830.88	6465.35	9296.23	2826.66	6465.35	9292.01
PE-006	Wheel Loader 135 HP with Bucket Capacity 1.90 cum	Rs/Hr	2638.87	5425.89	8064.76	2635.54	5425.89	8061.43
PE-008	Dumper loading Capacity 18 T	Rs/Hr	1500.47	3235.62	4736.09	1496.32	3235.62	4731.94
PE-009	Dumper loading Capacity 10 T	Rs/Hr	886.54	3034.96	3921.5	884.1	3034.96	3919.06
PE-010	Excavator (Track Type) 100 HP	Rs/Hr	2326.66	7909.08	10235.74	2319.99	7909.08	10229.07
PE-011	Compressor 300 CFM	Rs/Hr	410.85	7364.83	7775.68	410.22	7364.83	7775.05
PE-012	Rock Driller -Pneumatic-plug	Rs/Hr	21.56	584.17	605.73	21.55	584.17	605.72
PE-013	Electric Saw	Rs/Hr	1.37	547.13	548.5	1.37	547.13	548.5
PE-014	Petrol Motorized Chain Saw	Rs/Hr	8.83	302.59	311.42	8.83	324.27	333.1
PE-015	Electric Breaker (Demolition Hammer)	Rs/Hr	15.65	549.45	565.1	15.64	549.45	565.09
PE-016	Plate Compactor	Rs/Hr	86.03	1034.95	1120.98	85.87	1034.89	1120.76
PE-017	Pugmill 40 Tons per hour	Rs/Hr	1113.97	8896.63	10010.6	1053.55	8896.63	9950.18
PR-018	Combination Roller 18 T Single drum Pad/Sheep Foot Compactor	Rs/Hr	2196.49	6579.92	8776.41	2192.79	6579.87	8772.66
PR-019	Combination Roller 12 T (Single drum Pad/Sheep Foot Compactor)	Rs/Hr	1469.27	5124.68	6593.95	1465.67	5124.64	6590.31
PR-020	Combination Roller 8T (Single drum Pad/Sheep Foot Compactor)	Rs/Hr	1389.38	5077.26	6466.64	1385.97	5077.23	6463.2
PE-021	Excavator (Track Type) 168 HP with Bucket Capacity 0.8 cum	Rs/Hr	2556.49	8280.47	10836.96	2549.35	8280.47	10829.82
PE-022	Excavator (Track Type) 250 HP with Bucket Capacity 1.4 cum	Rs/Hr	2864.76	10960.7	13825.46	2855.06	10960.7	13815.76
PE-023	Excavator (Track Type) 345 HP with Bucket Capacity 2.2 cum	Rs/Hr	3423.93	13905.3	17329.23	3410.92	13905.3	17316.22
PE-024	Jack Hammer side type for Excavator (Track Type) 168 HP with Bucket Capacity 0.9 cum	Rs/Hr	140.89	496.21	637.1	139.98	495.4	635.38
PE-025	Jack Hammer side type for Excavator (Track Type) 265/340 HP with Bucket Capacity 1.6/2.3 cum	Rs/Hr	295.32	633.66	928.98	293.76	632.27	926.03
PS-026	Pipe Layer with lifting weight upto 25 Ton	Rs/Hr	2226.82	8337.91	10564.73	2218.25	8337.91	10556.16
PR-031	Motor Grader 250HP with Blade length 4.32m	Rs/Hr	3987.5	9757.98	13745.48	3981.48	9757.98	13739.46
PR-032	Motor Grader 218HP with Blade length 4.32m	Rs/Hr	3487.79	7986.18	11473.97	3482.81	7986.18	11468.99
PR-033	Tandem Roller 12 T	Rs/Hr	1764.25	4765.2	6529.45	1760.66	4765.16	6525.82
PR-034	Tandem Roller 8 T	Rs/Hr	1262.17	4501.26	5763.43	1259.28	4501.23	5760.51
PR-035	Tandem Roller 6 T	Rs/Hr	1166.36	2827.63	3993.99	1163.47	2827.59	3991.06
PR-036	Tandem Roller 1.50 T	Rs/Hr	421.47	2150.53	2572	420.94	2150.52	2571.46
PR-037	Combination Roller 18 T Single drum Plain Compactor	Rs/Hr	1998.28	5842.77	7841.05	1994.58	5842.77	7837.35
PR-038	Combination Roller 12 T (Single drum Plain Compactor)	Rs/Hr	1337.13	5108.09	6445.22	1333.53	5108.05	6441.58
PR-039	Combination Roller 8T (Single drum Plain Compactor)	Rs/Hr	1264.42	5066.52	6330.94	1261.02	5066.48	6327.5
PR-040	P.T.R. (8 - Wheeler) 24 T	Rs/Hr	1414.02	4620.42	6034.44	1406.53	4620.39	6026.92
PR-041	P.T.R. (8 - Wheeler) 18 T	Rs/Hr	1318.21	4549.74	5867.95	1310.72	4549.74	5860.46
PR-043	Tandem Roller 10 T	Rs/Hr	1378.23	4685.27	6063.5	1375.28	4685.24	6060.52
PR-044	Power Broom	Rs/Hr	20.58	389.14	409.72	18.43	387.22	405.65
PR-045	Bitumen Dist. Tow Type 2000 Liter	Rs/Hr	203.86	1294.24	1498.1	203.05	1294.24	1497.29
PR-046	Bitumen Sprayer (Manual) 250 gallon	Rs/Hr	21.36	585.09	606.45	20.32	584.69	605.01
PR-047	Chip Spreader up to 3M Wide (attachment)	Rs/Hr	276.46	1360.92	1637.38	272.87	1359.52	1632.39
PR-048	Asphalt Plant 140 T	Rs/Hr	22180.78	29168.27	51349.05	22120.37	29138.07	51258.44
PR-049	Asphalt Plant 120 T	Rs/Hr	21516.2	26902	48418.2	21478.58	26883.19	48361.77
PR-050	Asphalt Plant 40 T	Rs/Hr	4668.88	12932.38	17601.26	4639.84	12917.86	17557.7
PR-051	Asphalt Plant 20 T	Rs/Hr	3722.94	6282.99	10005.93	3702.87	6272.96	9975.83
PR-052	Asphalt Paver basic width 3m,max 5.9m Wide	Rs/Hr	7630.09	13303.79	20933.88	7624.6	13301.04	20925.64
PR-053	Asphalt Paver ( width 2.4-4.7 m)	Rs/Hr	7234.47	13372.82	20607.29	7229.76	13370.46	20600.22
PR-054	Cold Milling Machine 2 M Wide	Rs/Hr	5940.96	14019.46	19960.42	5927.75	14019.46	19947.21
PR-055	Hand Push high Pressure Cold and Rubber Paint Marking Machine	Rs/Hr	528.73	965.75	1494.48	527.83	965.75	1493.58
PR-056	Aggregate Spreader Up to 3M Wide	Rs/Hr	7234.47	13372.82	20607.29	7229.76	13370.46	20600.22
PR-057	Asphalt Cutter	Rs/Hr	19.51	555.04	574.55	19.45	555.04	574.49
PR-058	Rock Crushing & Screening (200 T/Hr)	Rs/Hr	9752	5621.4	15373.4	9713.02	5607.76	15320.78
PR-060	Asphalt Recycling Machine 0 to 60mm depth - 3 to 4m width  120 tons/hr	Rs/Hr	36387.82	19627.3	56015.12	36365.41	19627.3	55992.71
PR-061	Hand Push Thermoplastic Road Marking Machine with double cylinder preheater	Rs/Hr	996.6	1683.65	2680.25	988.95	1683.65	2672.6
PR-062	Cordless Drill Machine	Rs/Hr	1.67	543.12	544.79	1.67	543.12	544.79
PR-063	Crawler Rock driller	Rs/Hr	2515.74	8074.56	10590.3	2512.31	8074.56	10586.87
PS-064	Grouting Machine(electric) out put 3.6 cum/hr	Rs/Hr	50.94	1233.28	1284.22	50.65	1233.28	1283.93
PS-065	Hydraulic jack with pump upto 2000 Ton	Rs/Hr	458.33	1281.72	1740.05	456.38	1281.72	1738.1
PR-066	Guard Rail Pile Driver Machine	Rs/Hr	242.97	2039.66	2282.63	237.48	2039.66	2277.14
PS-071	Concrete Batching Plant 25m3/hr	Rs/Hr	5262.25	5741.74	11003.99	5254.46	5739.02	10993.48
PS-072	Concrete Static Mixer 1 Cum	Rs/Hr	859.31	1145.58	2004.89	855.42	1144.22	1999.64
PS-073	Concrete Static Mixer 1/4 Cum	Rs/Hr	62.16	1029.09	1091.25	58.27	1027.73	1086
PS-074	Concrete Transit Mixer 6 Cum	Rs/Hr	2391.03	3068.98	5460.01	2386.36	3068.98	5455.34
PS-075	Concrete Transit Mixer 4 Cum	Rs/Hr	1459.53	2681.72	4141.25	1455.64	2681.72	4137.36
PS-076	Stressing Equipment for 6500 KN force with electric power	Rs/Hr	216	1284.78	1500.78	215.2	1284.78	1499.98
PS-077	Concrete Cutter	Rs/Hr	19.51	555.04	574.55	19.45	555.04	574.49
PS-078	Piling Rig (dia up to 1m)	Rs/Hr	12947.02	15864.16	28811.18	12822.29	15801.8	28624.09
PS-079	Piling Rig (Dia 1m to 2m)	Rs/Hr	28796.03	28764.18	57560.21	28742.08	28737.21	57479.29

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

Codes	Description	Unit	Kashmore			Khairpur		
			Owning Cost	Operating Cost	Total Cost	Owning Cost	Operating Cost	Total Cost
PS-080	Vibrator (Poker 1.5 ")	Rs/Hr	4.48	633.09	637.57	4.48	633.09	637.57
PS-081	Percussion Boring Rig (Diesel)	Rs/Hr	2490.92	10230.3	12721.22	2459.74	10214.71	12674.45
PS-082	Concrete Pump 33 m with tuck chassis	Rs/Hr	2574.75	16231.78	18806.53	2503.03	16195.92	18698.95
PS-083	Girder Launcher (Erecting Capacity max 200 ton)	Rs/Hr	6495.81	5034.3	11530.11	6394.36	4994.74	11389.1
PS-084	Tripod & Chain Pulley (20 Ton)	Rs/Hr	88.44	846.88	935.32	82.2	846.88	929.08
PS-085	Shotcrete Machine 5-8 cum/hr	Rs/Hr	387.48	2337.62	2725.1	386.69	2337.31	2724
PS-086	Concrete Slip form Paver 2 to 6m for Road Pavement	Rs/Hr	13293.62	15088.1	28381.72	13281.15	15088.1	28369.25
PS-087	Concrete Slip form Paver for Barrier,curbs,sidewalk up to 3 m	Rs/Hr	5824.71	8772.14	14596.85	5813.17	8772.14	14585.31
PR-088	Asphalt Static Mixer 1 Cum	Rs/Hr	664.95	1077.56	1742.51	661.05	1076.19	1737.24
PS-089	Straight Rotary machine up to 250 mm dia with all tools	Rs/Hr	129.02	1602.43	1731.45	125.9	1598.09	1723.99
PX-090	Submersible Slug Pump with 65 ft Head	Rs/Hr	15.42	93.1	108.52	15.38	93.08	108.46
PX-091	Tractor 80 HP	Rs/Hr	163.61	2946.63	3110.24	162.42	2946.63	3109.05
PX-092	Tractor 50 HP	Rs/Hr	65.27	1881.92	1947.19	64.62	1881.92	1946.54
PX-093	Water Tank Bowser Type 12000 Liter	Rs/Hr	651.66	5980.95	6632.61	644.65	5980.95	6625.6
PX-094	Water Tank Tow Type 4000 Liter (Including Tractor)	Rs/Hr	160.15	2024.22	2184.37	156.78	2024.22	2181
PX-095	Flat Body Truck pay load upto 8 ton	Rs/Hr	369.02	5475.61	5844.63	367.27	5475.61	5842.88
PX-096	Sedan Car 1300 cc	Rs/Hr	251.04	2149.82	2400.86	250.55	2149.82	2400.37
PX-097	Sedan Car 1000 cc	Rs/Hr	200.89	1449.83	1650.72	200.49	1449.83	1650.32
PX-098	Pickup 2800 cc 4 x 4	Rs/Hr	641.35	2664.74	3306.09	640.55	2664.74	3305.29
PX-099	Pickup 2200 cc 4 x 2	Rs/Hr	354.13	1805.61	2159.74	353.34	1805.61	2158.95
PX-100	Pickup 800 cc 4 x 2	Rs/Hr	100.51	888.12	988.63	100.26	888.12	988.38
PX-101	Jeep 1300 cc 4 x 4	Rs/Hr	415.29	1534.07	1949.36	414.98	1534.07	1949.05
PX-102	Trailer Low Bed 30 ton	Rs/Hr	931.39	6530.43	7461.82	927.28	6530.43	7457.71
PX-103	Crane up to 55 Ton	Rs/Hr	3005.23	10530.96	13536.19	2992.17	10530.96	13523.13
PX-104	Crane Upto 25 ton	Rs/Hr	1885.82	9330.97	11216.79	1875.56	9330.97	11206.53
PX-105	Electric Diaphragm Pump	Rs/Hr	28.54	135.16	163.7	28.35	135.08	163.43
PX-106	Sand Blasting Machine	Rs/Hr	308.35	953.85	1262.2	308.11	953.85	1261.96
PX-107	Dump Truck 30 ton (18 cum)	Rs/Hr	2024.07	10283.02	12307.09	2020.33	10283.02	12303.35
PX-108	Tractor with Trolley (8 ton)	Rs/Hr	162.2	2659.43	2821.63	161.3	2659.43	2820.73
PX-109	Welding Plant	Rs/Hr	2.87	95.07	97.94	2.83	95.05	97.88
PX-110	Generator (Diesel) 150 kVa	Rs/Hr	168.3	7464.68	7632.98	167.68	7464.44	7632.12
PX-111	Generator (Diesel) 250 kVa	Rs/Hr	301.57	11123.41	11424.98	300.68	11123.07	11423.75
PX-112	Diesel Tanker 25000 Liter with Pump	Rs/Hr	634.99	7573.01	8208	624.07	7573.01	8197.08
PX-113	Forging /Shape Machine	Rs/Hr	31.33	628.29	659.62	31.14	628.29	659.43
PX-114	Generator (Diesel) 50 KVA	Rs/Hr	88.36	2700.8	2789.16	88.05	2700.68	2788.73
PX-115	Diesel Tanker 12000 Liter with Pump	Rs/Hr	317.71	4105	4422.71	309.91	4105	4414.91
PX-116	Diesel Tanker 5000 Liter with Pump	Rs/Hr	253.77	3172	3425.77	249.98	3172	3421.98
PX-117	Diesel Generator 20 KVA	Rs/Hr	64.07	2058.85	2122.92	63.86	2058.77	2122.63
PX-118	Diesel Generator 5 KVA	Rs/Hr	13.34	1020.27	1033.61	13.32	1020.27	1033.59
PX-119	Steel Rolling Machine	Rs/Hr	80.12	401.42	481.54	78.87	400.94	479.81
PX-120	Diesel Generator 13 KVA	Rs/Hr	62.95	1485.73	1548.68	62.92	1485.72	1548.64

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

Codes	Description	Unit	Korangi			Larkana		
			Owning Cost	Operating Cost	Total Cost	Owning Cost	Operating Cost	Total Cost
PE-001	Bulldozer-264 HP (Crawler Dozer-Track Type) with Blade Capacity 7 cum	Rs/Hr	4463.19	10950.13	15413.32	4486.62	10950.13	15436.75
PE-002	Bulldozer-200 HP (Crawler Dozer-Track Type) with Blade Capacity 4.4 cum	Rs/Hr	2975.95	8952.63	11928.58	2993.25	8952.63	11945.88
PE-003	Bulldozer-130 HP (Crawler Dozer-Track Type) with Blade Capacity 2.7 cum	Rs/Hr	2726.32	7010.58	9736.9	2736.62	7010.58	9747.2
PE-004	Wheel Loader 187HP with Bucket Capacity 3.3 cum	Rs/Hr	3569.04	7426.91	10995.95	3582.64	7426.91	11009.55
PE-005	Wheel Loader 166 HP with Bucket Capacity 2.8 cum	Rs/Hr	2815.75	6465.35	9281.1	2827.06	6465.35	9292.41
PE-006	Wheel Loader 135 HP with Bucket Capacity 1.90 cum	Rs/Hr	2626.9	5425.89	8052.79	2635.86	5425.89	8061.75
PE-008	Dumper loading Capacity 18 T	Rs/Hr	1485.55	3235.62	4721.17	1496.71	3235.62	4732.33
PE-009	Dumper loading Capacity 10 T	Rs/Hr	877.81	3034.96	3912.77	884.34	3034.96	3919.3
PE-010	Excavator (Track Type) 100 HP	Rs/Hr	2302.73	7909.08	10211.81	2320.63	7909.08	10229.71
PE-011	Compressor 300 CFM	Rs/Hr	408.59	7364.83	7773.42	410.28	7364.83	7775.11
PE-012	Rock Driller -Pneumatic-plug	Rs/Hr	21.54	584.16	605.7	21.55	584.17	605.72
PE-013	Electric Saw	Rs/Hr	1.37	547.13	548.5	1.37	547.13	548.5
PE-014	Petrol Motorized Chain Saw	Rs/Hr	8.83	414.78	423.61	8.83	330.63	339.46
PE-015	Electric Breaker (Demolition Hammer)	Rs/Hr	15.62	549.45	565.07	15.64	549.45	565.09
PE-016	Plate Compactor	Rs/Hr	85.46	1034.73	1120.19	85.89	1034.9	1120.79
PE-017	Pugmill 40 Tons per hour	Rs/Hr	897.19	8896.63	9793.82	1059.34	8896.63	9955.97
PR-018	Combination Roller 18 T Single drum Pad/Sheep Foot Compactor	Rs/Hr	2183.22	6579.77	8762.99	2193.14	6579.88	8773.02
PR-019	Combination Roller 12 T (Single drum Pad/Sheep Foot Compactor)	Rs/Hr	1456.37	5124.54	6580.91	1466.02	5124.65	6590.67
PR-020	Combination Roller 8T (Single drum Pad/Sheep Foot Compactor)	Rs/Hr	1377.17	5077.13	6454.3	1386.3	5077.23	6463.53
PE-021	Excavator (Track Type) 168 HP with Bucket Capacity 0.8 cum	Rs/Hr	2530.86	8280.47	10811.33	2550.03	8280.47	10830.5
PE-022	Excavator (Track Type) 250 HP with Bucket Capacity 1.4 cum	Rs/Hr	2829.96	10960.7	13790.66	2855.99	10960.7	13816.69
PE-023	Excavator (Track Type) 345 HP with Bucket Capacity 2.2 cum	Rs/Hr	3377.23	13905.3	17282.53	3412.17	13905.3	17317.47
PE-024	Jack Hammer side type for Excavator (Track Type) 168 HP with Bucket Capacity 0.9 cum	Rs/Hr	137.63	493.31	630.94	140.07	495.48	635.55
PE-025	Jack Hammer side type for Excavator (Track Type) 265/340 HP with Bucket Capacity 1.6/2.3 cum	Rs/Hr	289.72	628.67	918.39	293.91	632.4	926.31
PS-026	Pipe Layer with lifting weight upto 25 Ton	Rs/Hr	2196.05	8337.91	10533.96	2219.07	8337.91	10556.98
PR-031	Motor Grader 250HP with Blade length 4.32m	Rs/Hr	3965.91	9757.98	13723.89	3982.06	9757.98	13740.04
PR-032	Motor Grader 218HP with Blade length 4.32m	Rs/Hr	3469.94	7986.18	11456.12	3483.29	7986.18	11469.47
PR-033	Tandem Roller 12 T	Rs/Hr	1751.38	4765.06	6516.44	1761	4765.17	6526.17
PR-034	Tandem Roller 8 T	Rs/Hr	1251.81	4501.15	5752.96	1259.56	4501.23	5760.79
PR-035	Tandem Roller 6 T	Rs/Hr	1156	2827.51	3983.51	1163.75	2827.6	3991.35
PR-036	Tandem Roller 1.50 T	Rs/Hr	419.56	2150.5	2570.06	420.99	2150.52	2571.51
PR-037	Combination Roller 18 T Single drum Plain Compactor	Rs/Hr	1985.01	5842.77	7827.78	1994.93	5842.77	7837.7
PR-038	Combination Roller 12 T (Single drum Plain Compactor)	Rs/Hr	1324.23	5107.94	6432.17	1333.88	5108.05	6441.93
PR-039	Combination Roller 8T (Single drum Plain Compactor)	Rs/Hr	1252.22	5066.38	6318.6	1261.35	5066.48	6327.83
PR-040	P.T.R. (8 - Wheeler) 24 T	Rs/Hr	1387.17	4620.29	6007.46	1407.25	4620.39	6027.64
PR-041	P.T.R. (8 - Wheeler) 18 T	Rs/Hr	1291.35	4549.74	5841.09	1311.44	4549.74	5861.18
PR-043	Tandem Roller 10 T	Rs/Hr	1367.63	4685.16	6052.79	1375.56	4685.25	6060.81
PR-044	Power Broom	Rs/Hr	12.88	382.28	395.16	18.64	387.41	406.05
PR-045	Bitumen Dist. Tow Type 2000 Liter	Rs/Hr	200.95	1294.24	1495.19	203.13	1294.24	1497.37
PR-046	Bitumen Sprayer (Manual) 250 gallon	Rs/Hr	17.63	583.64	601.27	20.42	584.73	605.15
PR-047	Chip Spreader up to 3M Wide (attachment)	Rs/Hr	263.59	1355.9	1619.49	273.22	1359.66	1632.88
PR-048	Asphalt Plant 140 T	Rs/Hr	21964	29059.88	51023.88	22126.15	29140.96	51267.11
PR-049	Asphalt Plant 120 T	Rs/Hr	21381.23	26834.51	48215.74	21482.19	26884.99	48367.18
PR-050	Asphalt Plant 40 T	Rs/Hr	4564.68	12880.28	17444.96	4642.62	12919.25	17561.87
PR-051	Asphalt Plant 20 T	Rs/Hr	3650.92	6246.98	9897.9	3704.79	6273.92	9978.71
PR-052	Asphalt Paver basic width 3m,max 5.9m Wide	Rs/Hr	7610.4	13293.94	20904.34	7625.13	13301.31	20924.44
PR-053	Asphalt Paver ( width 2.4-4.7 m)	Rs/Hr	7217.57	13364.37	20581.94	7230.21	13370.69	20600.9
PR-054	Cold Milling Machine 2 M Wide	Rs/Hr	5893.55	14019.46	19913.01	5929.01	14019.46	19948.47
PR-055	Hand Push high Pressure Cold and Rubber Paint Marking Machine	Rs/Hr	525.49	965.75	1491.24	527.91	965.75	1493.66
PR-056	Aggregate Spreader Up to 3M Wide	Rs/Hr	7217.57	13364.37	20581.94	7230.21	13370.69	20600.9
PR-057	Asphalt Cutter	Rs/Hr	19.3	555.04	574.34	19.46	555.04	574.5
PR-058	Rock Crushing & Screening (200 T/Hr)	Rs/Hr	9612.14	5572.45	15184.59	9716.75	5609.06	15325.81
PR-060	Asphalt Recycling Machine 0 to 60mm depth - 3 to 4m width  120 tons/hr	Rs/Hr	36307.43	19627.3	55934.73	36367.56	19627.3	55994.86
PR-061	Hand Push Thermoplastic Road Marking Machine with double cylinder preheater	Rs/Hr	969.16	1683.65	2652.81	989.69	1683.65	2673.34
PR-062	Cordless Drill Machine	Rs/Hr	1.66	543.12	544.78	1.67	543.12	544.79
PR-063	Crawler Rock driller	Rs/Hr	2503.44	8074.56	10578	2512.64	8074.56	10587.2
PS-064	Grouting Machine(electric) out put 3.6 cum/hr	Rs/Hr	49.89	1233.28	1283.17	50.68	1233.28	1283.96
PS-065	Hydraulic jack with pump upto 2000 Ton	Rs/Hr	451.34	1281.72	1733.06	456.57	1281.72	1738.29
PR-066	Guard Rail Pile Driver Machine	Rs/Hr	223.25	2039.66	2262.91	238	2039.66	2277.66
PS-071	Concrete Batching Plant 25m3/hr	Rs/Hr	5234.28	5731.95	10966.23	5255.2	5739.28	10994.48
PS-072	Concrete Static Mixer 1 Cum	Rs/Hr	845.33	1140.69	1986.02	855.79	1144.35	2000.14
PS-073	Concrete Static Mixer 1/4 Cum	Rs/Hr	48.18	1024.2	1072.38	58.64	1027.86	1086.5
PS-074	Concrete Transit Mixer 6 Cum	Rs/Hr	2374.25	3068.98	5443.23	2386.8	3068.98	5455.78
PS-075	Concrete Transit Mixer 4 Cum	Rs/Hr	1445.55	2681.72	4127.27	1456.01	2681.72	4137.73
PS-076	Stressing Equipment for 6500 KN force with electric power	Rs/Hr	213.15	1284.78	1497.93	215.28	1284.78	1500.06
PS-077	Concrete Cutter	Rs/Hr	19.3	555.04	574.34	19.46	555.04	574.5
PS-078	Piling Rig (dia up to 1m)	Rs/Hr	12499.47	15640.39	28139.86	12834.24	15807.77	28642.01
PS-079	Piling Rig (Dia 1m to 2m)	Rs/Hr	28602.46	28667.4	57269.86	28747.25	28739.79	57487.04

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

Codes	Description	Unit	Korangi			Larkana		
			Owning Cost	Operating Cost	Total Cost	Owning Cost	Operating Cost	Total Cost
PS-080	Vibrator (Poker 1.5 ")	Rs/Hr	4.47	633.09	637.56	4.48	633.09	637.57
PS-081	Percussion Boring Rig (Diesel)	Rs/Hr	2379.04	10174.36	12553.4	2462.73	10216.2	12678.93
PS-082	Concrete Pump 33 m with tuck chassis	Rs/Hr	2317.4	16103.11	18420.51	2509.9	16199.36	18709.26
PS-083	Girder Launcher (Erecting Capacity max 200 ton)	Rs/Hr	6131.8	4892.34	11024.14	6404.08	4998.53	11402.61
PS-084	Tripod & Chain Pulley (20 Ton)	Rs/Hr	66.06	846.88	912.94	82.8	846.88	929.68
PS-085	Shotcrete Machine 5-8 cum/hr	Rs/Hr	384.65	2336.51	2721.16	386.77	2337.34	2724.11
PS-086	Concrete Slip form Paver 2 to 6m for Road Pavement	Rs/Hr	13248.87	15088.1	28336.97	13282.34	15088.1	28370.44
PS-087	Concrete Slip form Paver for Barrier,curbs,sidewalk up to 3 m	Rs/Hr	5783.31	8772.14	14555.45	5814.27	8772.14	14586.41
PR-088	Asphalt Static Mixer 1 Cum	Rs/Hr	650.96	1072.66	1723.62	661.42	1076.32	1737.74
PS-089	Straight Rotary machine up to 250 mm dia with all tools	Rs/Hr	117.83	1586.87	1704.7	126.2	1598.51	1724.71
PX-090	Submersible Slug Pump with 65 ft Head	Rs/Hr	15.28	93.04	108.32	15.39	93.09	108.48
PX-091	Tractor 80 HP	Rs/Hr	159.33	2946.63	3105.96	162.53	2946.63	3109.16
PX-092	Tractor 50 HP	Rs/Hr	62.96	1881.92	1944.88	64.68	1881.92	1946.6
PX-093	Water Tank Bowser Type 12000 Liter	Rs/Hr	626.49	5980.95	6607.44	645.32	5980.95	6626.27
PX-094	Water Tank Tow Type 4000 Liter (Including Tractor)	Rs/Hr	148.04	2024.22	2172.26	157.1	2024.22	2181.32
PX-095	Flat Body Truck pay load upto 8 ton	Rs/Hr	362.75	5475.61	5838.36	367.44	5475.61	5843.05
PX-096	Sedan Car 1300 cc	Rs/Hr	249.25	2149.82	2399.07	250.59	2149.82	2400.41
PX-097	Sedan Car 1000 cc	Rs/Hr	199.45	1449.83	1649.28	200.53	1449.83	1650.36
PX-098	Pickup 2800 cc 4 x 4	Rs/Hr	638.51	2664.74	3303.25	640.63	2664.74	3305.37
PX-099	Pickup 2200 cc 4 x 2	Rs/Hr	351.29	1805.61	2156.9	353.41	1805.61	2159.02
PX-100	Pickup 800 cc 4 x 2	Rs/Hr	99.61	888.12	987.73	100.29	888.12	988.41
PX-101	Jeep 1300 cc 4 x 4	Rs/Hr	414.17	1534.07	1948.24	415.01	1534.07	1949.08
PX-102	Trailer Low Bed 30 ton	Rs/Hr	916.62	6530.43	7447.05	927.67	6530.43	7458.1
PX-103	Crane up to 55 Ton	Rs/Hr	2958.37	10530.96	13489.33	2993.42	10530.96	13524.38
PX-104	Crane Upto 25 ton	Rs/Hr	1849.02	9330.97	11179.99	1876.55	9330.97	11207.52
PX-105	Electric Diaphragm Pump	Rs/Hr	27.84	134.89	162.73	28.36	135.09	163.45
PX-106	Sand Blasting Machine	Rs/Hr	307.46	953.85	1261.31	308.13	953.85	1261.98
PX-107	Dump Truck 30 ton (18 cum)	Rs/Hr	2010.65	10283.02	12293.67	2020.69	10283.02	12303.71
PX-108	Tractor with Trolley (8 ton)	Rs/Hr	158.99	2659.43	2818.42	161.39	2659.43	2820.82
PX-109	Welding Plant	Rs/Hr	2.74	95.02	97.76	2.84	95.06	97.9
PX-110	Generator (Diesel) 150 kVa	Rs/Hr	166.05	7463.81	7629.86	167.74	7464.46	7632.2
PX-111	Generator (Diesel) 250 kVa	Rs/Hr	298.38	11122.17	11420.55	300.76	11123.1	11423.86
PX-112	Diesel Tanker 25000 Liter with Pump	Rs/Hr	595.82	7573.01	8168.83	625.12	7573.01	8198.13
PX-113	Forging /Shape Machine	Rs/Hr	30.64	628.29	658.93	31.15	628.29	659.44
PX-114	Generator (Diesel) 50 KVA	Rs/Hr	87.23	2700.36	2787.59	88.08	2700.69	2788.77
PX-115	Diesel Tanker 12000 Liter with Pump	Rs/Hr	289.73	4105	4394.73	310.66	4105	4415.66
PX-116	Diesel Tanker 5000 Liter with Pump	Rs/Hr	240.16	3172	3412.16	250.34	3172	3422.34
PX-117	Diesel Generator 20 KVA	Rs/Hr	63.31	2058.56	2121.87	63.88	2058.78	2122.66
PX-118	Diesel Generator 5 KVA	Rs/Hr	13.24	1020.23	1033.47	13.32	1020.27	1033.59
PX-119	Steel Rolling Machine	Rs/Hr	75.65	399.68	475.33	78.99	400.98	479.97
PX-120	Diesel Generator 13 KVA	Rs/Hr	62.85	1485.69	1548.54	62.93	1485.72	1548.65

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

Codes	Description	Unit	Malir			Matiari		
			Owning Cost	Operating Cost	Total Cost	Owning Cost	Operating Cost	Total Cost
PE-001	Bulldozer-264 HP (Crawler Dozer-Track Type) with Blade Capacity 7 cum	Rs/Hr	4463.12	10950.13	15413.25	4471.98	10950.13	15422.11
PE-002	Bulldozer-200 HP (Crawler Dozer-Track Type) with Blade Capacity 4.4 cum	Rs/Hr	2975.9	8952.63	11928.53	2982.44	8952.63	11935.07
PE-003	Bulldozer-130 HP (Crawler Dozer-Track Type) with Blade Capacity 2.7 cum	Rs/Hr	2726.29	7010.58	9736.87	2730.19	7010.58	9740.77
PE-004	Wheel Loader 187HP with Bucket Capacity 3.3 cum	Rs/Hr	3569	7426.91	10995.91	3574.15	7426.91	11001.06
PE-005	Wheel Loader 166 HP with Bucket Capacity 2.8 cum	Rs/Hr	2815.72	6465.35	9281.07	2820	6465.35	9285.35
PE-006	Wheel Loader 135 HP with Bucket Capacity 1.90 cum	Rs/Hr	2626.88	5425.89	8052.77	2630.26	5425.89	8056.15
PE-008	Dumper loading Capacity 18 T	Rs/Hr	1485.52	3235.62	4721.14	1489.74	3235.62	4725.36
PE-009	Dumper loading Capacity 10 T	Rs/Hr	877.79	3034.96	3912.75	880.26	3034.96	3915.22
PE-010	Excavator (Track Type) 100 HP	Rs/Hr	2302.67	7909.08	10211.75	2309.45	7909.08	10218.53
PE-011	Compressor 300 CFM	Rs/Hr	408.59	7364.83	7773.42	409.23	7364.83	7774.06
PE-012	Rock Driller -Pneumatic-plug	Rs/Hr	21.54	584.16	605.7	21.54	584.16	605.7
PE-013	Electric Saw	Rs/Hr	1.37	547.13	548.5	1.37	547.13	548.5
PE-014	Petrol Motorized Chain Saw	Rs/Hr	8.83	379.37	388.2	8.83	328.37	337.2
PE-015	Electric Breaker (Demolition Hammer)	Rs/Hr	15.62	549.45	565.07	15.63	549.45	565.08
PE-016	Plate Compactor	Rs/Hr	85.46	1034.73	1120.19	85.62	1034.79	1120.41
PE-017	Pugmill 40 Tons per hour	Rs/Hr	896.7	8896.63	9793.33	958.05	8896.63	9854.68
PR-018	Combination Roller 18 T Single drum Pad/Sheep Foot Compactor	Rs/Hr	2183.19	6579.77	8762.96	2186.94	6579.81	8766.75
PR-019	Combination Roller 12 T (Single drum Pad/Sheep Foot Compactor)	Rs/Hr	1456.34	5124.54	6580.88	1459.99	5124.58	6584.57
PR-020	Combination Roller 8T (Single drum Pad/Sheep Foot Compactor)	Rs/Hr	1377.14	5077.13	6454.27	1380.6	5077.17	6457.77
PE-021	Excavator (Track Type) 168 HP with Bucket Capacity 0.8 cum	Rs/Hr	2530.81	8280.47	10811.28	2538.06	8280.47	10818.53
PE-022	Excavator (Track Type) 250 HP with Bucket Capacity 1.4 cum	Rs/Hr	2829.89	10960.7	13790.59	2839.73	10960.7	13800.43
PE-023	Excavator (Track Type) 345 HP with Bucket Capacity 2.2 cum	Rs/Hr	3377.13	13905.3	17282.43	3390.34	13905.3	17295.64
PE-024	Jack Hammer side type for Excavator (Track Type) 168 HP with Bucket Capacity 0.9 cum	Rs/Hr	137.62	493.3	630.92	138.54	494.12	632.66
PE-025	Jack Hammer side type for Excavator (Track Type) 265/340 HP with Bucket Capacity 1.6/2.3 cum	Rs/Hr	289.71	628.66	918.37	291.29	630.07	921.36
PS-026	Pipe Layer with lifting weight upto 25 Ton	Rs/Hr	2195.99	8337.91	10533.9	2204.69	8337.91	10542.6
PR-031	Motor Grader 250HP with Blade length 4.32m	Rs/Hr	3965.86	9757.98	13723.84	3971.97	9757.98	13729.95
PR-032	Motor Grader 218HP with Blade length 4.32m	Rs/Hr	3469.9	7986.18	11456.08	3474.95	7986.18	11461.13
PR-033	Tandem Roller 12 T	Rs/Hr	1751.35	4765.06	6516.41	1754.99	4765.1	6520.09
PR-034	Tandem Roller 8 T	Rs/Hr	1251.79	4501.15	5752.94	1254.72	4501.18	5755.9
PR-035	Tandem Roller 6 T	Rs/Hr	1155.98	2827.51	3983.49	1158.91	2827.54	3986.45
PR-036	Tandem Roller 1.50 T	Rs/Hr	419.56	2150.5	2570.06	420.1	2150.51	2570.61
PR-037	Combination Roller 18 T Single drum Plain Compactor	Rs/Hr	1984.98	5842.77	7827.75	1988.73	5842.77	7831.5
PR-038	Combination Roller 12 T (Single drum Plain Compactor)	Rs/Hr	1324.2	5107.94	6432.14	1327.85	5107.98	6435.83
PR-039	Combination Roller 8T (Single drum Plain Compactor)	Rs/Hr	1252.19	5066.38	6318.57	1255.64	5066.42	6322.06
PR-040	P.T.R. (8 - Wheeler) 24 T	Rs/Hr	1387.11	4620.29	6007.4	1394.7	4620.33	6015.03
PR-041	P.T.R. (8 - Wheeler) 18 T	Rs/Hr	1291.29	4549.74	5841.03	1298.89	4549.74	5848.63
PR-043	Tandem Roller 10 T	Rs/Hr	1367.61	4685.16	6052.77	1370.61	4685.19	6055.8
PR-044	Power Broom	Rs/Hr	12.86	382.27	395.13	15.04	384.21	399.25
PR-045	Bitumen Dist. Tow Type 2000 Liter	Rs/Hr	200.95	1294.24	1495.19	201.77	1294.24	1496.01
PR-046	Bitumen Sprayer (Manual) 250 gallon	Rs/Hr	17.63	583.64	601.27	18.68	584.05	602.73
PR-047	Chip Spreader up to 3M Wide (attachment)	Rs/Hr	263.56	1355.89	1619.45	267.21	1357.31	1624.52
PR-048	Asphalt Plant 140 T	Rs/Hr	21963.52	29059.64	51023.16	22024.86	29090.31	51115.17
PR-049	Asphalt Plant 120 T	Rs/Hr	21380.93	26834.36	48215.29	21419.12	26853.46	48272.58
PR-050	Asphalt Plant 40 T	Rs/Hr	4564.45	12880.16	17444.61	4593.93	12894.9	17488.83
PR-051	Asphalt Plant 20 T	Rs/Hr	3650.76	6246.9	9897.66	3671.14	6257.09	9928.23
PR-052	Asphalt Paver basic width 3m,max 5.9m Wide	Rs/Hr	7610.35	13293.92	20904.27	7615.93	13296.71	20912.64
PR-053	Asphalt Paver ( width 2.4-4.7 m)	Rs/Hr	7217.54	13364.35	20581.89	7222.32	13366.74	20589.06
PR-054	Cold Milling Machine 2 M Wide	Rs/Hr	5893.44	14019.46	19912.9	5906.86	14019.46	19926.32
PR-055	Hand Push high Pressure Cold and Rubber Paint Marking Machine	Rs/Hr	525.48	965.75	1491.23	526.4	965.75	1492.15
PR-056	Aggregate Spreader Up to 3M Wide	Rs/Hr	7217.54	13364.35	20581.89	7222.32	13366.74	20589.06
PR-057	Asphalt Cutter	Rs/Hr	19.3	555.04	574.34	19.36	555.04	574.4
PR-058	Rock Crushing & Screening (200 T/Hr)	Rs/Hr	9611.82	5572.34	15184.16	9651.4	5586.19	15237.59
PR-060	Asphalt Recycling Machine 0 to 60mm depth - 3 to 4m width  120 tons/hr	Rs/Hr	36307.25	19627.3	55934.55	36330	19627.3	55957.3
PR-061	Hand Push Thermoplastic Road Marking Machine with double cylinder preheater	Rs/Hr	969.1	1683.65	2652.75	976.87	1683.65	2660.52
PR-062	Cordless Drill Machine	Rs/Hr	1.66	543.12	544.78	1.66	543.12	544.78
PR-063	Crawler Rock driller	Rs/Hr	2503.41	8074.56	10577.97	2506.89	8074.56	10581.45
PS-064	Grouting Machine(electric) out put 3.6 cum/hr	Rs/Hr	49.89	1233.28	1283.17	50.19	1233.28	1283.47
PS-065	Hydraulic jack with pump upto 2000 Ton	Rs/Hr	451.33	1281.72	1733.05	453.3	1281.72	1735.02
PR-066	Guard Rail Pile Driver Machine	Rs/Hr	223.21	2039.66	2262.87	228.79	2039.66	2268.45
PS-071	Concrete Batching Plant 25m3/hr	Rs/Hr	5234.22	5731.93	10966.15	5242.13	5734.7	10976.83
PS-072	Concrete Static Mixer 1 Cum	Rs/Hr	845.3	1140.68	1985.98	849.26	1142.07	1991.33
PS-073	Concrete Static Mixer 1/4 Cum	Rs/Hr	48.15	1024.19	1072.34	52.1	1025.57	1077.67
PS-074	Concrete Transit Mixer 6 Cum	Rs/Hr	2374.21	3068.98	5443.19	2378.96	3068.98	5447.94
PS-075	Concrete Transit Mixer 4 Cum	Rs/Hr	1445.52	2681.72	4127.24	1449.48	2681.72	4131.2
PS-076	Stressing Equipment for 6500 KN force with electric power	Rs/Hr	213.14	1284.78	1497.92	213.95	1284.78	1498.73
PS-077	Concrete Cutter	Rs/Hr	19.3	555.04	574.34	19.36	555.04	574.4
PS-078	Piling Rig (dia up to 1m)	Rs/Hr	12498.47	15639.89	28138.36	12625.11	15703.21	28328.32
PS-079	Piling Rig (Dia 1m to 2m)	Rs/Hr	28602.03	28667.18	57269.21	28656.8	28694.57	57351.37

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

Codes	Description	Unit	Malir			Matiari		
			Owning Cost	Operating Cost	Total Cost	Owning Cost	Operating Cost	Total Cost
PS-080	Vibrator (Poker 1.5 ")	Rs/Hr	4.47	633.09	637.56	4.47	633.09	637.56
PS-081	Percussion Boring Rig (Diesel)	Rs/Hr	2378.79	10174.23	12553.02	2410.45	10190.06	12600.51
PS-082	Concrete Pump 33 m with tuck chassis	Rs/Hr	2316.83	16102.82	18419.65	2389.65	16139.23	18528.88
PS-083	Girder Launcher (Erecting Capacity max 200 ton)	Rs/Hr	6130.99	4892.02	11023.01	6233.99	4932.19	11166.18
PS-084	Tripod & Chain Pulley (20 Ton)	Rs/Hr	66.01	846.88	912.89	72.34	846.88	919.22
PS-085	Shotcrete Machine 5-8 cum/hr	Rs/Hr	384.65	2336.51	2721.16	385.45	2336.83	2722.28
PS-086	Concrete Slip form Paver 2 to 6m for Road Pavement	Rs/Hr	13248.77	15088.1	28336.87	13261.43	15088.1	28349.53
PS-087	Concrete Slip form Paver for Barrier,curbs,sidewalk up to 3 m	Rs/Hr	5783.22	8772.14	14555.36	5794.93	8772.14	14567.07
PR-088	Asphalt Static Mixer 1 Cum	Rs/Hr	650.93	1072.65	1723.58	654.89	1074.04	1728.93
PS-089	Straight Rotary machine up to 250 mm dia with all tools	Rs/Hr	117.81	1586.85	1704.66	120.97	1591.24	1712.21
PX-090	Submersible Slug Pump with 65 ft Head	Rs/Hr	15.28	93.04	108.32	15.32	93.06	108.38
PX-091	Tractor 80 HP	Rs/Hr	159.32	2946.63	3105.95	160.53	2946.63	3107.16
PX-092	Tractor 50 HP	Rs/Hr	62.95	1881.92	1944.87	63.61	1881.92	1945.53
PX-093	Water Tank Bowser Type 12000 Liter	Rs/Hr	626.43	5980.95	6607.38	633.56	5980.95	6614.51
PX-094	Water Tank Tow Type 4000 Liter (Including Tractor)	Rs/Hr	148.01	2024.22	2172.23	151.44	2024.22	2175.66
PX-095	Flat Body Truck pay load upto 8 ton	Rs/Hr	362.74	5475.61	5838.35	364.51	5475.61	5840.12
PX-096	Sedan Car 1300 cc	Rs/Hr	249.25	2149.82	2399.07	249.76	2149.82	2399.58
PX-097	Sedan Car 1000 cc	Rs/Hr	199.44	1449.83	1649.27	199.85	1449.83	1649.68
PX-098	Pickup 2800 cc 4 x 4	Rs/Hr	638.5	2664.74	3303.24	639.3	2664.74	3304.04
PX-099	Pickup 2200 cc 4 x 2	Rs/Hr	351.28	1805.61	2156.89	352.08	1805.61	2157.69
PX-100	Pickup 800 cc 4 x 2	Rs/Hr	99.6	888.12	987.72	99.86	888.12	987.98
PX-101	Jeep 1300 cc 4 x 4	Rs/Hr	414.17	1534.07	1948.24	414.49	1534.07	1948.56
PX-102	Trailer Low Bed 30 ton	Rs/Hr	916.59	6530.43	7447.02	920.77	6530.43	7451.2
PX-103	Crane up to 55 Ton	Rs/Hr	2958.27	10530.96	13489.23	2971.53	10530.96	13502.49
PX-104	Crane Upto 25 ton	Rs/Hr	1848.94	9330.97	11179.91	1859.35	9330.97	11190.32
PX-105	Electric Diaphragm Pump	Rs/Hr	27.84	134.89	162.73	28.04	134.96	163
PX-106	Sand Blasting Machine	Rs/Hr	307.46	953.85	1261.31	307.71	953.85	1261.56
PX-107	Dump Truck 30 ton (18 cum)	Rs/Hr	2010.62	10283.02	12293.64	2014.41	10283.02	12297.43
PX-108	Tractor with Trolley (8 ton)	Rs/Hr	158.98	2659.43	2818.41	159.89	2659.43	2819.32
PX-109	Welding Plant	Rs/Hr	2.74	95.02	97.76	2.78	95.03	97.81
PX-110	Generator (Diesel) 150 kVa	Rs/Hr	166.04	7463.8	7629.84	166.68	7464.05	7630.73
PX-111	Generator (Diesel) 250 kVa	Rs/Hr	298.37	11122.16	11420.53	299.27	11122.52	11421.79
PX-112	Diesel Tanker 25000 Liter with Pump	Rs/Hr	595.74	7573.01	8168.75	606.82	7573.01	8179.83
PX-113	Forging /Shape Machine	Rs/Hr	30.63	628.29	658.92	30.83	628.29	659.12
PX-114	Generator (Diesel) 50 KVA	Rs/Hr	87.23	2700.36	2787.59	87.55	2700.48	2788.03
PX-115	Diesel Tanker 12000 Liter with Pump	Rs/Hr	289.67	4105	4394.67	297.59	4105	4402.59
PX-116	Diesel Tanker 5000 Liter with Pump	Rs/Hr	240.13	3172	3412.13	243.98	3172	3415.98
PX-117	Diesel Generator 20 KVA	Rs/Hr	63.31	2058.56	2121.87	63.52	2058.64	2122.16
PX-118	Diesel Generator 5 KVA	Rs/Hr	13.24	1020.23	1033.47	13.27	1020.25	1033.52
PX-119	Steel Rolling Machine	Rs/Hr	75.64	399.68	475.32	76.9	400.17	477.07
PX-120	Diesel Generator 13 KVA	Rs/Hr	62.85	1485.69	1548.54	62.88	1485.7	1548.58



## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

Codes	Description	Unit	Mirpur Khas			Nausharo Firoze		
			Owning Cost	Operating Cost	Total Cost	Owning Cost	Operating Cost	Total Cost
PE-001	Bulldozer-264 HP (Crawler Dozer-Track Type) with Blade Capacity 7 cum	Rs/Hr	4474.49	10950.13	15424.62	4480.19	10950.13	15430.32
PE-002	Bulldozer-200 HP (Crawler Dozer-Track Type) with Blade Capacity 4.4 cum	Rs/Hr	2984.29	8952.63	11936.92	2988.5	8952.63	11941.13
PE-003	Bulldozer-130 HP (Crawler Dozer-Track Type) with Blade Capacity 2.7 cum	Rs/Hr	2731.29	7010.58	9741.87	2733.79	7010.58	9744.37
PE-004	Wheel Loader 187HP with Bucket Capacity 3.3 cum	Rs/Hr	3575.6	7426.91	11002.51	3578.91	7426.91	11005.82
PE-005	Wheel Loader 166 HP with Bucket Capacity 2.8 cum	Rs/Hr	2821.21	6465.35	9286.56	2823.96	6465.35	9289.31
PE-006	Wheel Loader 135 HP with Bucket Capacity 1.90 cum	Rs/Hr	2631.22	5425.89	8057.11	2633.4	5425.89	8059.29
PE-008	Dumper loading Capacity 18 T	Rs/Hr	1490.94	3235.62	4726.56	1493.65	3235.62	4729.27
PE-009	Dumper loading Capacity 10 T	Rs/Hr	880.96	3034.96	3915.92	882.55	3034.96	3917.51
PE-010	Excavator (Track Type) 100 HP	Rs/Hr	2311.36	7909.08	10220.44	2315.72	7909.08	10224.8
PE-011	Compressor 300 CFM	Rs/Hr	409.41	7364.83	7774.24	409.82	7364.83	7774.65
PE-012	Rock Driller -Pneumatic-plug	Rs/Hr	21.54	584.16	605.7	21.55	584.17	605.72
PE-013	Electric Saw	Rs/Hr	1.37	547.13	548.5	1.37	547.13	548.5
PE-014	Petrol Motorized Chain Saw	Rs/Hr	8.83	320.07	328.9	8.83	325.29	334.12
PE-015	Electric Breaker (Demolition Hammer)	Rs/Hr	15.63	549.45	565.08	15.64	549.45	565.09
PE-016	Plate Compactor	Rs/Hr	85.66	1034.81	1120.47	85.77	1034.85	1120.62
PE-017	Pugmill 40 Tons per hour	Rs/Hr	975.41	8896.63	9872.04	1014.84	8896.63	9911.47
PR-018	Combination Roller 18 T Single drum Pad/Sheep Foot Compactor	Rs/Hr	2188	6579.82	8767.82	2190.42	6579.85	8770.27
PR-019	Combination Roller 12 T (Single drum Pad/Sheep Foot Compactor)	Rs/Hr	1461.02	5124.59	6585.61	1463.37	5124.62	6587.99
PR-020	Combination Roller 8T (Single drum Pad/Sheep Foot Compactor)	Rs/Hr	1381.57	5077.18	6458.75	1383.79	5077.2	6460.99
PE-021	Excavator (Track Type) 168 HP with Bucket Capacity 0.8 cum	Rs/Hr	2540.11	8280.47	10820.58	2544.77	8280.47	10825.24
PE-022	Excavator (Track Type) 250 HP with Bucket Capacity 1.4 cum	Rs/Hr	2842.52	10960.7	13803.22	2848.85	10960.7	13809.55
PE-023	Excavator (Track Type) 345 HP with Bucket Capacity 2.2 cum	Rs/Hr	3394.08	13905.3	17299.38	3402.58	13905.3	17307.88
PE-024	Jack Hammer side type for Excavator (Track Type) 168 HP with Bucket Capacity 0.9 cum	Rs/Hr	138.81	494.36	633.17	139.4	494.89	634.29
PE-025	Jack Hammer side type for Excavator (Track Type) 265/340 HP with Bucket Capacity 1.6/2.3 cum	Rs/Hr	291.74	630.47	922.21	292.76	631.38	924.14
PS-026	Pipe Layer with lifting weight upto 25 Ton	Rs/Hr	2207.16	8337.91	10545.07	2212.75	8337.91	10550.66
PR-031	Motor Grader 250HP with Blade length 4.32m	Rs/Hr	3973.7	9757.98	13731.68	3977.63	9757.98	13735.61
PR-032	Motor Grader 218HP with Blade length 4.32m	Rs/Hr	3476.38	7986.18	11462.56	3479.63	7986.18	11465.81
PR-033	Tandem Roller 12 T	Rs/Hr	1756.02	4765.11	6521.13	1758.36	4765.14	6523.5
PR-034	Tandem Roller 8 T	Rs/Hr	1255.55	4501.19	5756.74	1257.43	4501.21	5758.64
PR-035	Tandem Roller 6 T	Rs/Hr	1159.74	2827.55	3987.29	1161.62	2827.57	3989.19
PR-036	Tandem Roller 1.50 T	Rs/Hr	420.25	2150.51	2570.76	420.6	2150.52	2571.12
PR-037	Combination Roller 18 T Single drum Plain Compactor	Rs/Hr	1989.8	5842.77	7832.57	1992.21	5842.77	7834.98
PR-038	Combination Roller 12 T (Single drum Plain Compactor)	Rs/Hr	1328.88	5107.99	6436.87	1331.23	5108.02	6439.25
PR-039	Combination Roller 8T (Single drum Plain Compactor)	Rs/Hr	1256.62	5066.43	6323.05	1258.84	5066.46	6325.3
PR-040	P.T.R. (8 - Wheeler) 24 T	Rs/Hr	1396.86	4620.34	6017.2	1401.74	4620.36	6022.1
PR-041	P.T.R. (8 - Wheeler) 18 T	Rs/Hr	1301.04	4549.74	5850.78	1305.93	4549.74	5855.67
PR-043	Tandem Roller 10 T	Rs/Hr	1371.46	4685.2	6056.66	1373.39	4685.22	6058.61
PR-044	Power Broom	Rs/Hr	15.66	384.76	400.42	17.06	386	403.06
PR-045	Bitumen Dist. Tow Type 2000 Liter	Rs/Hr	202	1294.24	1496.24	202.53	1294.24	1496.77
PR-046	Bitumen Sprayer (Manual) 250 gallon	Rs/Hr	18.98	584.17	603.15	19.66	584.43	604.09
PR-047	Chip Spreader up to 3M Wide (attachment)	Rs/Hr	268.24	1357.71	1625.95	270.58	1358.63	1629.21
PR-048	Asphalt Plant 140 T	Rs/Hr	22042.22	29098.99	51141.21	22081.66	29118.71	51200.37
PR-049	Asphalt Plant 120 T	Rs/Hr	21429.93	26858.86	48288.79	21454.48	26871.14	48325.62
PR-050	Asphalt Plant 40 T	Rs/Hr	4602.28	12899.08	17501.36	4621.23	12908.55	17529.78
PR-051	Asphalt Plant 20 T	Rs/Hr	3676.91	6259.98	9936.89	3690.01	6266.53	9956.54
PR-052	Asphalt Paver basic width 3m,max 5.9m Wide	Rs/Hr	7617.5	13297.49	20914.99	7621.09	13299.29	20920.38
PR-053	Asphalt Paver ( width 2.4-4.7 m)	Rs/Hr	7223.67	13367.42	20591.09	7226.74	13368.95	20595.69
PR-054	Cold Milling Machine 2 M Wide	Rs/Hr	5910.66	14019.46	19930.12	5919.28	14019.46	19938.74
PR-055	Hand Push high Pressure Cold and Rubber Paint Marking Machine	Rs/Hr	526.66	965.75	1492.41	527.25	965.75	1493
PR-056	Aggregate Spreader Up to 3M Wide	Rs/Hr	7223.67	13367.42	20591.09	7226.74	13368.95	20595.69
PR-057	Asphalt Cutter	Rs/Hr	19.37	555.04	574.41	19.41	555.04	574.45
PR-058	Rock Crushing & Screening (200 T/Hr)	Rs/Hr	9662.6	5590.11	15252.71	9688.04	5599.01	15287.05
PR-060	Asphalt Recycling Machine 0 to 60mm depth - 3 to 4m width  120 tons/hr	Rs/Hr	36336.44	19627.3	55963.74	36351.06	19627.3	55978.36
PR-061	Hand Push Thermoplastic Road Marking Machine with double cylinder preheater	Rs/Hr	979.06	1683.65	2662.71	984.05	1683.65	2667.7
PR-062	Cordless Drill Machine	Rs/Hr	1.66	543.12	544.78	1.67	543.12	544.79
PR-063	Crawler Rock driller	Rs/Hr	2507.88	8074.56	10582.44	2510.12	8074.56	10584.68
PS-064	Grouting Machine(electric) out put 3.6 cum/hr	Rs/Hr	50.27	1233.28	1283.55	50.46	1233.28	1283.74
PS-065	Hydraulic jack with pump upto 2000 Ton	Rs/Hr	453.86	1281.72	1735.58	455.14	1281.72	1736.86
PR-066	Guard Rail Pile Driver Machine	Rs/Hr	230.37	2039.66	2270.03	233.96	2039.66	2273.62
PS-071	Concrete Batching Plant 25m3/hr	Rs/Hr	5244.37	5735.48	10979.85	5249.46	5737.27	10986.73
PS-072	Concrete Static Mixer 1 Cum	Rs/Hr	850.38	1142.46	1992.84	852.92	1143.35	1996.27
PS-073	Concrete Static Mixer 1/4 Cum	Rs/Hr	53.23	1025.97	1079.2	55.77	1026.86	1082.63
PS-074	Concrete Transit Mixer 6 Cum	Rs/Hr	2380.31	3068.98	5449.29	2383.36	3068.98	5452.34
PS-075	Concrete Transit Mixer 4 Cum	Rs/Hr	1450.6	2681.72	4132.32	1453.14	2681.72	4134.86
PS-076	Stressing Equipment for 6500 KN force with electric power	Rs/Hr	214.17	1284.78	1498.95	214.69	1284.78	1499.47
PS-077	Concrete Cutter	Rs/Hr	19.37	555.04	574.41	19.41	555.04	574.45
PS-078	Piling Rig (dia up to 1m)	Rs/Hr	12660.96	15721.13	28382.09	12742.37	15761.84	28504.21
PS-079	Piling Rig (Dia 1m to 2m)	Rs/Hr	28672.31	28702.32	57374.63	28707.52	28719.93	57427.45

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

Codes	Description	Unit	Mirpur Khas			Nausharo Firoze		
			Owning Cost	Operating Cost	Total Cost	Owning Cost	Operating Cost	Total Cost
PS-080	Vibrator (Poker 1.5 ")	Rs/Hr	4.47	633.09	637.56	4.48	633.09	637.57
PS-081	Percussion Boring Rig (Diesel)	Rs/Hr	2419.41	10194.54	12613.95	2439.76	10204.72	12644.48
PS-082	Concrete Pump 33 m with tuck chassis	Rs/Hr	2410.26	16149.54	18559.8	2457.07	16172.94	18630.01
PS-083	Girder Launcher (Erecting Capacity max 200 ton)	Rs/Hr	6263.15	4943.57	11206.72	6329.36	4969.39	11298.75
PS-084	Tripod & Chain Pulley (20 Ton)	Rs/Hr	74.14	846.88	921.02	78.21	846.88	925.09
PS-085	Shotcrete Machine 5-8 cum/hr	Rs/Hr	385.67	2336.91	2722.58	386.19	2337.11	2723.3
PS-086	Concrete Slip form Paver 2 to 6m for Road Pavement	Rs/Hr	13265.02	15088.1	28353.12	13273.16	15088.1	28361.26
PS-087	Concrete Slip form Paver for Barrier,curbs,sidewalk up to 3 m	Rs/Hr	5798.25	8772.14	14570.39	5805.78	8772.14	14577.92
PR-088	Asphalt Static Mixer 1 Cum	Rs/Hr	656.01	1074.43	1730.44	658.55	1075.32	1733.87
PS-089	Straight Rotary machine up to 250 mm dia with all tools	Rs/Hr	121.87	1592.49	1714.36	123.9	1595.31	1719.21
PX-090	Submersible Slug Pump with 65 ft Head	Rs/Hr	15.33	93.06	108.39	15.36	93.07	108.43
PX-091	Tractor 80 HP	Rs/Hr	160.87	2946.63	3107.5	161.65	2946.63	3108.28
PX-092	Tractor 50 HP	Rs/Hr	63.79	1881.92	1945.71	64.21	1881.92	1946.13
PX-093	Water Tank Bowser Type 12000 Liter	Rs/Hr	635.57	5980.95	6616.52	640.15	5980.95	6621.1
PX-094	Water Tank Tow Type 4000 Liter (Including Tractor)	Rs/Hr	152.41	2024.22	2176.63	154.61	2024.22	2178.83
PX-095	Flat Body Truck pay load upto 8 ton	Rs/Hr	365.01	5475.61	5840.62	366.15	5475.61	5841.76
PX-096	Sedan Car 1300 cc	Rs/Hr	249.9	2149.82	2399.72	250.23	2149.82	2400.05
PX-097	Sedan Car 1000 cc	Rs/Hr	199.97	1449.83	1649.8	200.23	1449.83	1650.06
PX-098	Pickup 2800 cc 4 x 4	Rs/Hr	639.53	2664.74	3304.27	640.05	2664.74	3304.79
PX-099	Pickup 2200 cc 4 x 2	Rs/Hr	352.31	1805.61	2157.92	352.83	1805.61	2158.44
PX-100	Pickup 800 cc 4 x 2	Rs/Hr	99.93	888.12	988.05	100.1	888.12	988.22
PX-101	Jeep 1300 cc 4 x 4	Rs/Hr	414.58	1534.07	1948.65	414.78	1534.07	1948.85
PX-102	Trailer Low Bed 30 ton	Rs/Hr	921.95	6530.43	7452.38	924.64	6530.43	7455.07
PX-103	Crane up to 55 Ton	Rs/Hr	2975.28	10530.96	13506.24	2983.8	10530.96	13514.76
PX-104	Crane Upto 25 ton	Rs/Hr	1862.3	9330.97	11193.27	1868.99	9330.97	11199.96
PX-105	Electric Diaphragm Pump	Rs/Hr	28.09	134.98	163.07	28.22	135.03	163.25
PX-106	Sand Blasting Machine	Rs/Hr	307.79	953.85	1261.64	307.95	953.85	1261.8
PX-107	Dump Truck 30 ton (18 cum)	Rs/Hr	2015.49	10283.02	12298.51	2017.93	10283.02	12300.95
PX-108	Tractor with Trolley (8 ton)	Rs/Hr	160.15	2659.43	2819.58	160.73	2659.43	2820.16
PX-109	Welding Plant	Rs/Hr	2.79	95.04	97.83	2.81	95.04	97.85
PX-110	Generator (Diesel) 150 kVa	Rs/Hr	166.86	7464.12	7630.98	167.27	7464.28	7631.55
PX-111	Generator (Diesel) 250 kVa	Rs/Hr	299.53	11122.62	11422.15	300.11	11122.84	11422.95
PX-112	Diesel Tanker 25000 Liter with Pump	Rs/Hr	609.96	7573.01	8182.97	617.08	7573.01	8190.09
PX-113	Forging /Shape Machine	Rs/Hr	30.89	628.29	659.18	31.01	628.29	659.3
PX-114	Generator (Diesel) 50 KVA	Rs/Hr	87.64	2700.52	2788.16	87.85	2700.6	2788.45
PX-115	Diesel Tanker 12000 Liter with Pump	Rs/Hr	299.83	4105	4404.83	304.92	4105	4409.92
PX-116	Diesel Tanker 5000 Liter with Pump	Rs/Hr	245.07	3172	3417.07	247.55	3172	3419.55
PX-117	Diesel Generator 20 KVA	Rs/Hr	63.59	2058.67	2122.26	63.72	2058.72	2122.44
PX-118	Diesel Generator 5 KVA	Rs/Hr	13.28	1020.25	1033.53	13.3	1020.26	1033.56
PX-119	Steel Rolling Machine	Rs/Hr	77.26	400.31	477.57	78.07	400.62	478.69
PX-120	Diesel Generator 13 KVA	Rs/Hr	62.89	1485.71	1548.6	62.91	1485.71	1548.62

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

Codes	Description	Unit	Qambar Shahdatkot			Sanghar		
			Owning Cost	Operating Cost	Total Cost	Owning Cost	Operating Cost	Total Cost
PE-001	Bulldozer-264 HP (Crawler Dozer-Track Type) with Blade Capacity 7 cum	Rs/Hr	4485.79	10950.13	15435.92	4478.2	10950.13	15428.33
PE-002	Bulldozer-200 HP (Crawler Dozer-Track Type) with Blade Capacity 4.4 cum	Rs/Hr	2992.63	8952.63	11945.26	2987.04	8952.63	11939.67
PE-003	Bulldozer-130 HP (Crawler Dozer-Track Type) with Blade Capacity 2.7 cum	Rs/Hr	2736.25	7010.58	9746.83	2732.92	7010.58	9743.5
PE-004	Wheel Loader 187HP with Bucket Capacity 3.3 cum	Rs/Hr	3582.16	7426.91	11009.07	3577.76	7426.91	11004.67
PE-005	Wheel Loader 166 HP with Bucket Capacity 2.8 cum	Rs/Hr	2826.66	6465.35	9292.01	2823	6465.35	9288.35
PE-006	Wheel Loader 135 HP with Bucket Capacity 1.90 cum	Rs/Hr	2635.54	5425.89	8061.43	2632.64	5425.89	8058.53
PE-008	Dumper loading Capacity 18 T	Rs/Hr	1496.32	3235.62	4731.94	1492.71	3235.62	4728.33
PE-009	Dumper loading Capacity 10 T	Rs/Hr	884.1	3034.96	3919.06	881.99	3034.96	3916.95
PE-010	Excavator (Track Type) 100 HP	Rs/Hr	2319.99	7909.08	10229.07	2314.2	7909.08	10223.28
PE-011	Compressor 300 CFM	Rs/Hr	410.22	7364.83	7775.05	409.67	7364.83	7774.5
PE-012	Rock Driller -Pneumatic-plug	Rs/Hr	21.55	584.17	605.72	21.55	584.17	605.72
PE-013	Electric Saw	Rs/Hr	1.37	547.13	548.5	1.37	547.13	548.5
PE-014	Petrol Motorized Chain Saw	Rs/Hr	8.83	330.63	339.46	8.83	326.18	335.01
PE-015	Electric Breaker (Demolition Hammer)	Rs/Hr	15.64	549.45	565.09	15.63	549.45	565.08
PE-016	Plate Compactor	Rs/Hr	85.87	1034.89	1120.76	85.73	1034.83	1120.56
PE-017	Pugmill 40 Tons per hour	Rs/Hr	1053.55	8896.63	9950.18	1001.1	8896.63	9897.73
PR-018	Combination Roller 18 T Single drum Pad/Sheep Foot Compactor	Rs/Hr	2192.79	6579.87	8772.66	2189.58	6579.84	8769.42
PR-019	Combination Roller 12 T (Single drum Pad/Sheep Foot Compactor)	Rs/Hr	1465.67	5124.64	6590.31	1462.55	5124.61	6587.16
PR-020	Combination Roller 8T (Single drum Pad/Sheep Foot Compactor)	Rs/Hr	1385.97	5077.23	6463.2	1383.02	5077.19	6460.21
PE-021	Excavator (Track Type) 168 HP with Bucket Capacity 0.8 cum	Rs/Hr	2549.35	8280.47	10829.82	2543.15	8280.47	10823.62
PE-022	Excavator (Track Type) 250 HP with Bucket Capacity 1.4 cum	Rs/Hr	2855.06	10960.7	13815.76	2846.64	10960.7	13807.34
PE-023	Excavator (Track Type) 345 HP with Bucket Capacity 2.2 cum	Rs/Hr	3410.92	13905.3	17316.22	3399.62	13905.3	17304.92
PE-024	Jack Hammer side type for Excavator (Track Type) 168 HP with Bucket Capacity 0.9 cum	Rs/Hr	139.98	495.4	635.38	139.19	494.7	633.89
PE-025	Jack Hammer side type for Excavator (Track Type) 265/340 HP with Bucket Capacity 1.6/2.3 cum	Rs/Hr	293.76	632.27	926.03	292.4	631.06	923.46
PS-026	Pipe Layer with lifting weight upto 25 Ton	Rs/Hr	2218.25	8337.91	10556.16	2210.8	8337.91	10548.71
PR-031	Motor Grader 250HP with Blade length 4.32m	Rs/Hr	3981.48	9757.98	13739.46	3976.26	9757.98	13734.24
PR-032	Motor Grader 218HP with Blade length 4.32m	Rs/Hr	3482.81	7986.18	11468.99	3478.49	7986.18	11464.67
PR-033	Tandem Roller 12 T	Rs/Hr	1760.66	4765.16	6525.82	1757.55	4765.13	6522.68
PR-034	Tandem Roller 8 T	Rs/Hr	1259.28	4501.23	5760.51	1256.78	4501.2	5757.98
PR-035	Tandem Roller 6 T	Rs/Hr	1163.47	2827.59	3991.06	1160.97	2827.57	3988.54
PR-036	Tandem Roller 1.50 T	Rs/Hr	420.94	2150.52	2571.46	420.48	2150.51	2570.99
PR-037	Combination Roller 18 T Single drum Plain Compactor	Rs/Hr	1994.58	5842.77	7837.35	1991.37	5842.77	7834.14
PR-038	Combination Roller 12 T (Single drum Plain Compactor)	Rs/Hr	1333.53	5108.05	6441.58	1330.41	5108.01	6438.42
PR-039	Combination Roller 8T (Single drum Plain Compactor)	Rs/Hr	1261.02	5066.48	6327.5	1258.07	5066.45	6324.52
PR-040	P.T.R. (8 - Wheeler) 24 T	Rs/Hr	1406.53	4620.39	6026.92	1400.04	4620.35	6020.39
PR-041	P.T.R. (8 - Wheeler) 18 T	Rs/Hr	1310.72	4549.74	5860.46	1304.23	4549.74	5853.97
PR-043	Tandem Roller 10 T	Rs/Hr	1375.28	4685.24	6060.52	1372.71	4685.21	6057.92
PR-044	Power Broom	Rs/Hr	18.43	387.22	405.65	16.57	385.57	402.14
PR-045	Bitumen Dist. Tow Type 2000 Liter	Rs/Hr	203.05	1294.24	1497.29	202.35	1294.24	1496.59
PR-046	Bitumen Sprayer (Manual) 250 gallon	Rs/Hr	20.32	584.69	605.01	19.42	584.34	603.76
PR-047	Chip Spreader up to 3M Wide (attachment)	Rs/Hr	272.87	1359.52	1632.39	269.76	1358.31	1628.07
PR-048	Asphalt Plant 140 T	Rs/Hr	22120.37	29138.07	51258.44	22067.91	29111.84	51179.75
PR-049	Asphalt Plant 120 T	Rs/Hr	21478.58	26883.19	48361.77	21445.92	26866.86	48312.78
PR-050	Asphalt Plant 40 T	Rs/Hr	4639.84	12917.86	17557.7	4614.63	12905.25	17519.88
PR-051	Asphalt Plant 20 T	Rs/Hr	3702.87	6272.96	9975.83	3685.44	6264.24	9949.68
PR-052	Asphalt Paver basic width 3m,max 5.9m Wide	Rs/Hr	7624.6	13301.04	20925.64	7619.84	13298.66	20918.5
PR-053	Asphalt Paver ( width 2.4-4.7 m)	Rs/Hr	7229.76	13370.46	20600.22	7225.67	13368.42	20594.09
PR-054	Cold Milling Machine 2 M Wide	Rs/Hr	5927.75	14019.46	19947.21	5916.27	14019.46	19935.73
PR-055	Hand Push high Pressure Cold and Rubber Paint Marking Machine	Rs/Hr	527.83	965.75	1493.58	527.04	965.75	1492.79
PR-056	Aggregate Spreader Up to 3M Wide	Rs/Hr	7229.76	13370.46	20600.22	7225.67	13368.42	20594.09
PR-057	Asphalt Cutter	Rs/Hr	19.45	555.04	574.49	19.4	555.04	574.44
PR-058	Rock Crushing & Screening (200 T/Hr)	Rs/Hr	9713.02	5607.76	15320.78	9679.17	5595.91	15275.08
PR-060	Asphalt Recycling Machine 0 to 60mm depth - 3 to 4m width  120 tons/hr	Rs/Hr	36365.41	19627.3	55992.71	36345.96	19627.3	55973.26
PR-061	Hand Push Thermoplastic Road Marking Machine with double cylinder preheater	Rs/Hr	988.95	1683.65	2672.6	982.31	1683.65	2665.96
PR-062	Cordless Drill Machine	Rs/Hr	1.67	543.12	544.79	1.66	543.12	544.78
PR-063	Crawler Rock driller	Rs/Hr	2512.31	8074.56	10586.87	2509.34	8074.56	10583.9
PS-064	Grouting Machine(electric) out put 3.6 cum/hr	Rs/Hr	50.65	1233.28	1283.93	50.4	1233.28	1283.68
PS-065	Hydraulic jack with pump upto 2000 Ton	Rs/Hr	456.38	1281.72	1738.1	454.69	1281.72	1736.41
PR-066	Guard Rail Pile Driver Machine	Rs/Hr	237.48	2039.66	2277.14	232.7	2039.66	2272.36
PS-071	Concrete Batching Plant 25m3/hr	Rs/Hr	5254.46	5739.02	10993.48	5247.69	5736.65	10984.34
PS-072	Concrete Static Mixer 1 Cum	Rs/Hr	855.42	1144.22	1999.64	852.03	1143.04	1995.07
PS-073	Concrete Static Mixer 1/4 Cum	Rs/Hr	58.27	1027.73	1086	54.88	1026.54	1081.42
PS-074	Concrete Transit Mixer 6 Cum	Rs/Hr	2386.36	3068.98	5455.34	2382.3	3068.98	5451.28
PS-075	Concrete Transit Mixer 4 Cum	Rs/Hr	1455.64	2681.72	4137.36	1452.25	2681.72	4133.97
PS-076	Stressing Equipment for 6500 KN force with electric power	Rs/Hr	215.2	1284.78	1499.98	214.51	1284.78	1499.29
PS-077	Concrete Cutter	Rs/Hr	19.45	555.04	574.49	19.4	555.04	574.44
PS-078	Piling Rig (dia up to 1m)	Rs/Hr	12822.29	15801.8	28624.09	12713.99	15747.65	28461.64
PS-079	Piling Rig (Dia 1m to 2m)	Rs/Hr	28742.08	28737.21	57479.29	28695.24	28713.79	57409.03

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

Codes	Description	Unit	Qambar Shahdatkot			Sanghar		
			Owning Cost	Operating Cost	Total Cost	Owning Cost	Operating Cost	Total Cost
PS-080	Vibrator (Poker 1.5 ")	Rs/Hr	4.48	633.09	637.57	4.47	633.09	637.56
PS-081	Percussion Boring Rig (Diesel)	Rs/Hr	2459.74	10214.71	12674.45	2432.67	10201.17	12633.84
PS-082	Concrete Pump 33 m with tuck chassis	Rs/Hr	2503.03	16195.92	18698.95	2440.75	16164.78	18605.53
PS-083	Girder Launcher (Erecting Capacity max 200 ton)	Rs/Hr	6394.36	4994.74	11389.1	6306.28	4960.39	11266.67
PS-084	Tripod & Chain Pulley (20 Ton)	Rs/Hr	82.2	846.88	929.08	76.79	846.88	923.67
PS-085	Shotcrete Machine 5-8 cum/hr	Rs/Hr	386.69	2337.31	2724	386.01	2337.04	2723.05
PS-086	Concrete Slip form Paver 2 to 6m for Road Pavement	Rs/Hr	13281.15	15088.1	28369.25	13270.32	15088.1	28358.42
PS-087	Concrete Slip form Paver for Barrier,curbs,sidewalk up to 3 m	Rs/Hr	5813.17	8772.14	14585.31	5803.15	8772.14	14575.29
PR-088	Asphalt Static Mixer 1 Cum	Rs/Hr	661.05	1076.19	1737.24	657.66	1075.01	1732.67
PS-089	Straight Rotary machine up to 250 mm dia with all tools	Rs/Hr	125.9	1598.09	1723.99	123.19	1594.32	1717.51
PX-090	Submersible Slug Pump with 65 ft Head	Rs/Hr	15.38	93.08	108.46	15.35	93.07	108.42
PX-091	Tractor 80 HP	Rs/Hr	162.42	2946.63	3109.05	161.38	2946.63	3108.01
PX-092	Tractor 50 HP	Rs/Hr	64.62	1881.92	1946.54	64.06	1881.92	1945.98
PX-093	Water Tank Bowser Type 12000 Liter	Rs/Hr	644.65	5980.95	6625.6	638.56	5980.95	6619.51
PX-094	Water Tank Tow Type 4000 Liter (Including Tractor)	Rs/Hr	156.78	2024.22	2181	153.85	2024.22	2178.07
PX-095	Flat Body Truck pay load upto 8 ton	Rs/Hr	367.27	5475.61	5842.88	365.76	5475.61	5841.37
PX-096	Sedan Car 1300 cc	Rs/Hr	250.55	2149.82	2400.37	250.11	2149.82	2399.93
PX-097	Sedan Car 1000 cc	Rs/Hr	200.49	1449.83	1650.32	200.14	1449.83	1649.97
PX-098	Pickup 2800 cc 4 x 4	Rs/Hr	640.55	2664.74	3305.29	639.87	2664.74	3304.61
PX-099	Pickup 2200 cc 4 x 2	Rs/Hr	353.34	1805.61	2158.95	352.65	1805.61	2158.26
PX-100	Pickup 800 cc 4 x 2	Rs/Hr	100.26	888.12	988.38	100.04	888.12	988.16
PX-101	Jeep 1300 cc 4 x 4	Rs/Hr	414.98	1534.07	1949.05	414.71	1534.07	1948.78
PX-102	Trailer Low Bed 30 ton	Rs/Hr	927.28	6530.43	7457.71	923.7	6530.43	7454.13
PX-103	Crane up to 55 Ton	Rs/Hr	2992.17	10530.96	13523.13	2980.83	10530.96	13511.79
PX-104	Crane Upto 25 ton	Rs/Hr	1875.56	9330.97	11206.53	1866.66	9330.97	11197.63
PX-105	Electric Diaphragm Pump	Rs/Hr	28.35	135.08	163.43	28.18	135.02	163.2
PX-106	Sand Blasting Machine	Rs/Hr	308.11	953.85	1261.96	307.89	953.85	1261.74
PX-107	Dump Truck 30 ton (18 cum)	Rs/Hr	2020.33	10283.02	12303.35	2017.08	10283.02	12300.1
PX-108	Tractor with Trolley (8 ton)	Rs/Hr	161.3	2659.43	2820.73	160.53	2659.43	2819.96
PX-109	Welding Plant	Rs/Hr	2.83	95.05	97.88	2.8	95.04	97.84
PX-110	Generator (Diesel) 150 kVa	Rs/Hr	167.68	7464.44	7632.12	167.13	7464.23	7631.36
PX-111	Generator (Diesel) 250 kVa	Rs/Hr	300.68	11123.07	11423.75	299.91	11122.76	11422.67
PX-112	Diesel Tanker 25000 Liter with Pump	Rs/Hr	624.07	7573.01	8197.08	614.6	7573.01	8187.61
PX-113	Forging /Shape Machine	Rs/Hr	31.14	628.29	659.43	30.97	628.29	659.26
PX-114	Generator (Diesel) 50 KVA	Rs/Hr	88.05	2700.68	2788.73	87.78	2700.57	2788.35
PX-115	Diesel Tanker 12000 Liter with Pump	Rs/Hr	309.91	4105	4414.91	303.14	4105	4408.14
PX-116	Diesel Tanker 5000 Liter with Pump	Rs/Hr	249.98	3172	3421.98	246.69	3172	3418.69
PX-117	Diesel Generator 20 KVA	Rs/Hr	63.86	2058.77	2122.63	63.68	2058.7	2122.38
PX-118	Diesel Generator 5 KVA	Rs/Hr	13.32	1020.27	1033.59	13.29	1020.25	1033.54
PX-119	Steel Rolling Machine	Rs/Hr	78.87	400.94	479.81	77.79	400.51	478.3
PX-120	Diesel Generator 13 KVA	Rs/Hr	62.92	1485.72	1548.64	62.9	1485.71	1548.61

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

Codes	Description	Unit	Sh Benazirabad			Shikarpur		
			Owning Cost	Operating Cost	Total Cost	Owning Cost	Operating Cost	Total Cost
PE-001	Bulldozer-264 HP (Crawler Dozer-Track Type) with Blade Capacity 7 cum	Rs/Hr	4476.9	10950.13	15427.03	4488.66	10950.13	15438.79
PE-002	Bulldozer-200 HP (Crawler Dozer-Track Type) with Blade Capacity 4.4 cum	Rs/Hr	2986.07	8952.63	11938.7	2994.75	8952.63	11947.38
PE-003	Bulldozer-130 HP (Crawler Dozer-Track Type) with Blade Capacity 2.7 cum	Rs/Hr	2732.35	7010.58	9742.93	2737.51	7010.58	9748.09
PE-004	Wheel Loader 187HP with Bucket Capacity 3.3 cum	Rs/Hr	3577	7426.91	11003.91	3583.83	7426.91	11010.74
PE-005	Wheel Loader 166 HP with Bucket Capacity 2.8 cum	Rs/Hr	2822.37	6465.35	9287.72	2828.05	6465.35	9293.4
PE-006	Wheel Loader 135 HP with Bucket Capacity 1.90 cum	Rs/Hr	2632.14	5425.89	8058.03	2636.64	5425.89	8062.53
PE-008	Dumper loading Capacity 18 T	Rs/Hr	1492.08	3235.62	4727.7	1497.68	3235.62	4733.3
PE-009	Dumper loading Capacity 10 T	Rs/Hr	881.63	3034.96	3916.59	884.9	3034.96	3919.86
PE-010	Excavator (Track Type) 100 HP	Rs/Hr	2313.2	7909.08	10222.28	2322.19	7909.08	10231.27
PE-011	Compressor 300 CFM	Rs/Hr	409.58	7364.83	7774.41	410.43	7364.83	7775.26
PE-012	Rock Driller -Pneumatic-plug	Rs/Hr	21.55	584.17	605.72	21.56	584.17	605.73
PE-013	Electric Saw	Rs/Hr	1.37	547.13	548.5	1.37	547.13	548.5
PE-014	Petrol Motorized Chain Saw	Rs/Hr	8.83	327.39	336.22	8.83	326.63	335.46
PE-015	Electric Breaker (Demolition Hammer)	Rs/Hr	15.63	549.45	565.08	15.65	549.45	565.1
PE-016	Plate Compactor	Rs/Hr	85.71	1034.83	1120.54	85.92	1034.91	1120.83
PE-017	Pugmill 40 Tons per hour	Rs/Hr	992.05	8896.63	9888.68	1073.45	8896.63	9970.08
PR-018	Combination Roller 18 T Single drum Pad/Sheep Foot Compactor	Rs/Hr	2189.02	6579.83	8768.85	2194.01	6579.89	8773.9
PR-019	Combination Roller 12 T (Single drum Pad/Sheep Foot Compactor)	Rs/Hr	1462.01	5124.6	6586.61	1466.86	5124.66	6591.52
PR-020	Combination Roller 8T (Single drum Pad/Sheep Foot Compactor)	Rs/Hr	1382.51	5077.19	6459.7	1387.09	5077.24	6464.33
PE-021	Excavator (Track Type) 168 HP with Bucket Capacity 0.8 cum	Rs/Hr	2542.08	8280.47	10822.55	2551.7	8280.47	10832.17
PE-022	Excavator (Track Type) 250 HP with Bucket Capacity 1.4 cum	Rs/Hr	2845.19	10960.7	13805.89	2858.26	10960.7	13818.96
PE-023	Excavator (Track Type) 345 HP with Bucket Capacity 2.2 cum	Rs/Hr	3397.67	13905.3	17302.97	3415.21	13905.3	17320.51
PE-024	Jack Hammer side type for Excavator (Track Type) 168 HP with Bucket Capacity 0.9 cum	Rs/Hr	139.06	494.58	633.64	140.28	495.67	635.95
PE-025	Jack Hammer side type for Excavator (Track Type) 265/340 HP with Bucket Capacity 1.6/2.3 cum	Rs/Hr	292.17	630.85	923.02	294.27	632.72	926.99
PS-026	Pipe Layer with lifting weight upto 25 Ton	Rs/Hr	2209.52	8337.91	10547.43	2221.07	8337.91	10558.98
PR-031	Motor Grader 250HP with Blade length 4.32m	Rs/Hr	3975.36	9757.98	13733.34	3983.47	9757.98	13741.45
PR-032	Motor Grader 218HP with Blade length 4.32m	Rs/Hr	3477.75	7986.18	11463.93	3484.45	7986.18	11470.63
PR-033	Tandem Roller 12 T	Rs/Hr	1757.01	4765.12	6522.13	1761.84	4765.18	6527.02
PR-034	Tandem Roller 8 T	Rs/Hr	1256.34	4501.2	5757.54	1260.24	4501.24	5761.48
PR-035	Tandem Roller 6 T	Rs/Hr	1160.53	2827.56	3988.09	1164.42	2827.61	3992.03
PR-036	Tandem Roller 1.50 T	Rs/Hr	420.4	2150.51	2570.91	421.11	2150.52	2571.63
PR-037	Combination Roller 18 T Single drum Plain Compactor	Rs/Hr	1990.81	5842.77	7833.58	1995.8	5842.77	7838.57
PR-038	Combination Roller 12 T (Single drum Plain Compactor)	Rs/Hr	1329.87	5108.01	6437.88	1334.72	5108.06	6442.78
PR-039	Combination Roller 8T (Single drum Plain Compactor)	Rs/Hr	1257.56	5066.44	6324	1262.14	5066.49	6328.63
PR-040	P.T.R. (8 - Wheeler) 24 T	Rs/Hr	1398.92	4620.35	6019.27	1409	4620.4	6029.4
PR-041	P.T.R. (8 - Wheeler) 18 T	Rs/Hr	1303.11	4549.74	5852.85	1313.19	4549.74	5862.93
PR-043	Tandem Roller 10 T	Rs/Hr	1372.27	4685.21	6057.48	1376.25	4685.25	6061.5
PR-044	Power Broom	Rs/Hr	16.25	385.28	401.53	19.14	387.86	407
PR-045	Bitumen Dist. Tow Type 2000 Liter	Rs/Hr	202.23	1294.24	1496.47	203.32	1294.24	1497.56
PR-046	Bitumen Sprayer (Manual) 250 gallon	Rs/Hr	19.27	584.28	603.55	20.67	584.83	605.5
PR-047	Chip Spreader up to 3M Wide (attachment)	Rs/Hr	269.22	1358.1	1627.32	274.06	1359.98	1634.04
PR-048	Asphalt Plant 140 T	Rs/Hr	22058.87	29107.32	51166.19	22140.26	29148.01	51288.27
PR-049	Asphalt Plant 120 T	Rs/Hr	21440.29	26864.04	48304.33	21490.97	26889.38	48380.35
PR-050	Asphalt Plant 40 T	Rs/Hr	4610.28	12903.08	17513.36	4649.4	12922.64	17572.04
PR-051	Asphalt Plant 20 T	Rs/Hr	3682.44	6262.74	9945.18	3709.48	6276.26	9985.74
PR-052	Asphalt Paver basic width 3m,max 5.9m Wide	Rs/Hr	7619.02	13298.25	20917.27	7626.41	13301.95	20928.36
PR-053	Asphalt Paver ( width 2.4-4.7 m)	Rs/Hr	7224.97	13368.07	20593.04	7231.31	13371.24	20602.55
PR-054	Cold Milling Machine 2 M Wide	Rs/Hr	5914.3	14019.46	19933.76	5932.1	14019.46	19951.56
PR-055	Hand Push high Pressure Cold and Rubber Paint Marking Machine	Rs/Hr	526.91	965.75	1492.66	528.12	965.75	1493.87
PR-056	Aggregate Spreader Up to 3M Wide	Rs/Hr	7224.97	13368.07	20593.04	7231.31	13371.24	20602.55
PR-057	Asphalt Cutter	Rs/Hr	19.39	555.04	574.43	19.47	555.04	574.51
PR-058	Rock Crushing & Screening (200 T/Hr)	Rs/Hr	9673.34	5593.87	15267.21	9725.85	5612.25	15338.1
PR-060	Asphalt Recycling Machine 0 to 60mm depth - 3 to 4m width  120 tons/hr	Rs/Hr	36342.61	19627.3	55969.91	36372.79	19627.3	56000.09
PR-061	Hand Push Thermoplastic Road Marking Machine with double cylinder preheater	Rs/Hr	981.17	1683.65	2664.82	991.47	1683.65	2675.12
PR-062	Cordless Drill Machine	Rs/Hr	1.66	543.12	544.78	1.67	543.12	544.79
PR-063	Crawler Rock driller	Rs/Hr	2508.82	8074.56	10583.38	2513.44	8074.56	10588
PS-064	Grouting Machine(electric) out put 3.6 cum/hr	Rs/Hr	50.35	1233.28	1283.63	50.75	1233.28	1284.03
PS-065	Hydraulic jack with pump upto 2000 Ton	Rs/Hr	454.4	1281.72	1736.12	457.03	1281.72	1738.75
PR-066	Guard Rail Pile Driver Machine	Rs/Hr	231.88	2039.66	2271.54	239.29	2039.66	2278.95
PS-071	Concrete Batching Plant 25m3/hr	Rs/Hr	5246.52	5736.24	10982.76	5257.02	5739.91	10996.93
PS-072	Concrete Static Mixer 1 Cum	Rs/Hr	851.45	1142.83	1994.28	856.7	1144.67	2001.37
PS-073	Concrete Static Mixer 1/4 Cum	Rs/Hr	54.3	1026.34	1080.64	59.55	1028.18	1087.73
PS-074	Concrete Transit Mixer 6 Cum	Rs/Hr	2381.59	3068.98	5450.57	2387.9	3068.98	5456.88
PS-075	Concrete Transit Mixer 4 Cum	Rs/Hr	1451.67	2681.72	4133.39	1456.92	2681.72	4138.64
PS-076	Stressing Equipment for 6500 KN force with electric power	Rs/Hr	214.39	1284.78	1499.17	215.47	1284.78	1500.25
PS-077	Concrete Cutter	Rs/Hr	19.39	555.04	574.43	19.47	555.04	574.51
PS-078	Piling Rig (dia up to 1m)	Rs/Hr	12695.32	15738.31	28433.63	12863.37	15822.34	28685.71
PS-079	Piling Rig (Dia 1m to 2m)	Rs/Hr	28687.17	28709.75	57396.92	28759.85	28746.09	57505.94

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

Codes	Description	Unit	Sh Benazirabad			Shikarpur		
			Owning Cost	Operating Cost	Total Cost	Owning Cost	Operating Cost	Total Cost
PS-080	Vibrator (Poker 1.5 ")	Rs/Hr	4.47	633.09	637.56	4.48	633.09	637.57
PS-081	Percussion Boring Rig (Diesel)	Rs/Hr	2428	10198.84	12626.84	2470.01	10219.84	12689.85
PS-082	Concrete Pump 33 m with tuck chassis	Rs/Hr	2430.02	16159.42	18589.44	2526.65	16207.73	18734.38
PS-083	Girder Launcher (Erecting Capacity max 200 ton)	Rs/Hr	6291.09	4954.46	11245.55	6427.77	5007.77	11435.54
PS-084	Tripod & Chain Pulley (20 Ton)	Rs/Hr	75.85	846.88	922.73	84.26	846.88	931.14
PS-085	Shotcrete Machine 5-8 cum/hr	Rs/Hr	385.89	2337	2722.89	386.95	2337.41	2724.36
PS-086	Concrete Slip form Paver 2 to 6m for Road Pavement	Rs/Hr	13268.45	15088.1	28356.55	13285.26	15088.1	28373.36
PS-087	Concrete Slip form Paver for Barrier,curbs,sidewalk up to 3 m	Rs/Hr	5801.42	8772.14	14573.56	5816.97	8772.14	14589.11
PR-088	Asphalt Static Mixer 1 Cum	Rs/Hr	657.08	1074.8	1731.88	662.33	1076.64	1738.97
PS-089	Straight Rotary machine up to 250 mm dia with all tools	Rs/Hr	122.73	1593.69	1716.42	126.93	1599.52	1726.45
PX-090	Submersible Slug Pump with 65 ft Head	Rs/Hr	15.34	93.07	108.41	15.4	93.09	108.49
PX-091	Tractor 80 HP	Rs/Hr	161.2	2946.63	3107.83	162.81	2946.63	3109.44
PX-092	Tractor 50 HP	Rs/Hr	63.97	1881.92	1945.89	64.83	1881.92	1946.75
PX-093	Water Tank Bowser Type 12000 Liter	Rs/Hr	637.5	5980.95	6618.45	646.96	5980.95	6627.91
PX-094	Water Tank Tow Type 4000 Liter (Including Tractor)	Rs/Hr	153.34	2024.22	2177.56	157.89	2024.22	2182.11
PX-095	Flat Body Truck pay load upto 8 ton	Rs/Hr	365.5	5475.61	5841.11	367.85	5475.61	5843.46
PX-096	Sedan Car 1300 cc	Rs/Hr	250.04	2149.82	2399.86	250.71	2149.82	2400.53
PX-097	Sedan Car 1000 cc	Rs/Hr	200.08	1449.83	1649.91	200.62	1449.83	1650.45
PX-098	Pickup 2800 cc 4 x 4	Rs/Hr	639.75	2664.74	3304.49	640.81	2664.74	3305.55
PX-099	Pickup 2200 cc 4 x 2	Rs/Hr	352.53	1805.61	2158.14	353.6	1805.61	2159.21
PX-100	Pickup 800 cc 4 x 2	Rs/Hr	100	888.12	988.12	100.34	888.12	988.46
PX-101	Jeep 1300 cc 4 x 4	Rs/Hr	414.66	1534.07	1948.73	415.08	1534.07	1949.15
PX-102	Trailer Low Bed 30 ton	Rs/Hr	923.09	6530.43	7453.52	928.63	6530.43	7459.06
PX-103	Crane up to 55 Ton	Rs/Hr	2978.88	10530.96	13509.84	2996.47	10530.96	13527.43
PX-104	Crane Upto 25 ton	Rs/Hr	1865.12	9330.97	11196.09	1878.94	9330.97	11209.91
PX-105	Electric Diaphragm Pump	Rs/Hr	28.15	135.01	163.16	28.41	135.11	163.52
PX-106	Sand Blasting Machine	Rs/Hr	307.85	953.85	1261.7	308.19	953.85	1262.04
PX-107	Dump Truck 30 ton (18 cum)	Rs/Hr	2016.52	10283.02	12299.54	2021.56	10283.02	12304.58
PX-108	Tractor with Trolley (8 ton)	Rs/Hr	160.39	2659.43	2819.82	161.6	2659.43	2821.03
PX-109	Welding Plant	Rs/Hr	2.8	95.04	97.84	2.84	95.06	97.9
PX-110	Generator (Diesel) 150 kVa	Rs/Hr	167.04	7464.19	7631.23	167.88	7464.52	7632.4
PX-111	Generator (Diesel) 250 kVa	Rs/Hr	299.77	11122.71	11422.48	300.97	11123.18	11424.15
PX-112	Diesel Tanker 25000 Liter with Pump	Rs/Hr	612.96	7573.01	8185.97	627.67	7573.01	8200.68
PX-113	Forging /Shape Machine	Rs/Hr	30.94	628.29	659.23	31.2	628.29	659.49
PX-114	Generator (Diesel) 50 KVA	Rs/Hr	87.73	2700.55	2788.28	88.15	2700.72	2788.87
PX-115	Diesel Tanker 12000 Liter with Pump	Rs/Hr	301.98	4105	4406.98	312.48	4105	4417.48
PX-116	Diesel Tanker 5000 Liter with Pump	Rs/Hr	246.12	3172	3418.12	251.23	3172	3423.23
PX-117	Diesel Generator 20 KVA	Rs/Hr	63.64	2058.69	2122.33	63.93	2058.8	2122.73
PX-118	Diesel Generator 5 KVA	Rs/Hr	13.29	1020.25	1033.54	13.32	1020.27	1033.59
PX-119	Steel Rolling Machine	Rs/Hr	77.6	400.44	478.04	79.28	401.1	480.38
PX-120	Diesel Generator 13 KVA	Rs/Hr	62.9	1485.71	1548.61	62.93	1485.72	1548.65

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

Codes	Description	Unit	Sujawal			Sukkur		
			Owning Cost	Operating Cost	Total Cost	Owning Cost	Operating Cost	Total Cost
PE-001	Bulldozer-264 HP (Crawler Dozer-Track Type) with Blade Capacity 7 cum	Rs/Hr	4469.47	10950.13	15419.6	4487.09	10950.13	15437.22
PE-002	Bulldozer-200 HP (Crawler Dozer-Track Type) with Blade Capacity 4.4 cum	Rs/Hr	2980.59	8952.63	11933.22	2993.6	8952.63	11946.23
PE-003	Bulldozer-130 HP (Crawler Dozer-Track Type) with Blade Capacity 2.7 cum	Rs/Hr	2729.09	7010.58	9739.67	2736.83	7010.58	9747.41
PE-004	Wheel Loader 187HP with Bucket Capacity 3.3 cum	Rs/Hr	3572.69	7426.91	10999.6	3582.92	7426.91	11009.83
PE-005	Wheel Loader 166 HP with Bucket Capacity 2.8 cum	Rs/Hr	2818.78	6465.35	9284.13	2827.29	6465.35	9292.64
PE-006	Wheel Loader 135 HP with Bucket Capacity 1.90 cum	Rs/Hr	2629.3	5425.89	8055.19	2636.04	5425.89	8061.93
PE-008	Dumper loading Capacity 18 T	Rs/Hr	1488.55	3235.62	4724.17	1496.94	3235.62	4732.56
PE-009	Dumper loading Capacity 10 T	Rs/Hr	879.56	3034.96	3914.52	884.47	3034.96	3919.43
PE-010	Excavator (Track Type) 100 HP	Rs/Hr	2307.53	7909.08	10216.61	2320.99	7909.08	10230.07
PE-011	Compressor 300 CFM	Rs/Hr	409.05	7364.83	7773.88	410.31	7364.83	7775.14
PE-012	Rock Driller -Pneumatic-plug	Rs/Hr	21.54	584.16	605.7	21.56	584.17	605.73
PE-013	Electric Saw	Rs/Hr	1.37	547.13	548.5	1.37	547.13	548.5
PE-014	Petrol Motorized Chain Saw	Rs/Hr	8.83	331.25	340.08	8.83	324.27	333.1
PE-015	Electric Breaker (Demolition Hammer)	Rs/Hr	15.63	549.45	565.08	15.64	549.45	565.09
PE-016	Plate Compactor	Rs/Hr	85.57	1034.77	1120.34	85.89	1034.9	1120.79
PE-017	Pugmill 40 Tons per hour	Rs/Hr	940.68	8896.63	9837.31	1062.6	8896.63	9959.23
PR-018	Combination Roller 18 T Single drum Pad/Sheep Foot Compactor	Rs/Hr	2185.88	6579.8	8765.68	2193.34	6579.88	8773.22
PR-019	Combination Roller 12 T (Single drum Pad/Sheep Foot Compactor)	Rs/Hr	1458.95	5124.57	6583.52	1466.21	5124.65	6590.86
PR-020	Combination Roller 8T (Single drum Pad/Sheep Foot Compactor)	Rs/Hr	1379.62	5077.16	6456.78	1386.48	5077.23	6463.71
PE-021	Excavator (Track Type) 168 HP with Bucket Capacity 0.8 cum	Rs/Hr	2536	8280.47	10816.47	2550.41	8280.47	10830.88
PE-022	Excavator (Track Type) 250 HP with Bucket Capacity 1.4 cum	Rs/Hr	2836.94	10960.7	13797.64	2856.51	10960.7	13817.21
PE-023	Excavator (Track Type) 345 HP with Bucket Capacity 2.2 cum	Rs/Hr	3386.6	13905.3	17291.9	3412.87	13905.3	17318.17
PE-024	Jack Hammer side type for Excavator (Track Type) 168 HP with Bucket Capacity 0.9 cum	Rs/Hr	138.28	493.89	632.17	140.12	495.53	635.65
PE-025	Jack Hammer side type for Excavator (Track Type) 265/340 HP with Bucket Capacity 1.6/2.3 cum	Rs/Hr	290.85	629.68	920.53	293.99	632.47	926.46
PS-026	Pipe Layer with lifting weight upto 25 Ton	Rs/Hr	2202.23	8337.91	10540.14	2219.53	8337.91	10557.44
PR-031	Motor Grader 250HP with Blade length 4.32m	Rs/Hr	3970.24	9757.98	13728.22	3982.38	9757.98	13740.36
PR-032	Motor Grader 218HP with Blade length 4.32m	Rs/Hr	3473.52	7986.18	11459.7	3483.56	7986.18	11469.74
PR-033	Tandem Roller 12 T	Rs/Hr	1753.96	4765.09	6519.05	1761.2	4765.17	6526.37
PR-034	Tandem Roller 8 T	Rs/Hr	1253.89	4501.17	5755.06	1259.72	4501.24	5760.96
PR-035	Tandem Roller 6 T	Rs/Hr	1158.08	2827.54	3985.62	1163.91	2827.6	3991.51
PR-036	Tandem Roller 1.50 T	Rs/Hr	419.95	2150.51	2570.46	421.02	2150.52	2571.54
PR-037	Combination Roller 18 T Single drum Plain Compactor	Rs/Hr	1987.67	5842.77	7830.44	1995.13	5842.77	7837.9
PR-038	Combination Roller 12 T (Single drum Plain Compactor)	Rs/Hr	1326.81	5107.97	6434.78	1334.07	5108.05	6442.12
PR-039	Combination Roller 8T (Single drum Plain Compactor)	Rs/Hr	1254.66	5066.41	6321.07	1261.53	5066.49	6328.02
PR-040	P.T.R. (8 - Wheeler) 24 T	Rs/Hr	1392.55	4620.32	6012.87	1407.66	4620.39	6028.05
PR-041	P.T.R. (8 - Wheeler) 18 T	Rs/Hr	1296.74	4549.74	5846.48	1311.84	4549.74	5861.58
PR-043	Tandem Roller 10 T	Rs/Hr	1369.76	4685.18	6054.94	1375.72	4685.25	6060.97
PR-044	Power Broom	Rs/Hr	14.43	383.66	398.09	18.75	387.51	406.26
PR-045	Bitumen Dist. Tow Type 2000 Liter	Rs/Hr	201.54	1294.24	1495.78	203.17	1294.24	1497.41
PR-046	Bitumen Sprayer (Manual) 250 gallon	Rs/Hr	18.38	583.93	602.31	20.48	584.75	605.23
PR-047	Chip Spreader up to 3M Wide (attachment)	Rs/Hr	266.17	1356.91	1623.08	273.41	1359.73	1633.14
PR-048	Asphalt Plant 140 T	Rs/Hr	22007.49	29081.63	51089.12	22129.41	29142.59	51272
PR-049	Asphalt Plant 120 T	Rs/Hr	21408.31	26848.05	48256.36	21484.21	26886	48370.21
PR-050	Asphalt Plant 40 T	Rs/Hr	4585.59	12890.73	17476.32	4644.19	12920.03	17564.22
PR-051	Asphalt Plant 20 T	Rs/Hr	3665.37	6254.21	9919.58	3705.87	6274.46	9980.33
PR-052	Asphalt Paver basic width 3m,max 5.9m Wide	Rs/Hr	7614.35	13295.92	20910.27	7625.42	13301.45	20926.87
PR-053	Asphalt Paver ( width 2.4-4.7 m)	Rs/Hr	7220.96	13366.06	20587.02	7230.47	13370.82	20601.29
PR-054	Cold Milling Machine 2 M Wide	Rs/Hr	5903.06	14019.46	19922.52	5929.72	14019.46	19949.18
PR-055	Hand Push high Pressure Cold and Rubber Paint Marking Machine	Rs/Hr	526.14	965.75	1491.89	527.96	965.75	1493.71
PR-056	Aggregate Spreader Up to 3M Wide	Rs/Hr	7220.96	13366.06	20587.02	7230.47	13370.82	20601.29
PR-057	Asphalt Cutter	Rs/Hr	19.34	555.04	574.38	19.46	555.04	574.5
PR-058	Rock Crushing & Screening (200 T/Hr)	Rs/Hr	9640.2	5582.27	15222.47	9718.85	5609.8	15328.65
PR-060	Asphalt Recycling Machine 0 to 60mm depth - 3 to 4m width  120 tons/hr	Rs/Hr	36323.56	19627.3	55950.86	36368.77	19627.3	55996.07
PR-061	Hand Push Thermoplastic Road Marking Machine with double cylinder preheater	Rs/Hr	974.67	1683.65	2658.32	990.1	1683.65	2673.75
PR-062	Cordless Drill Machine	Rs/Hr	1.66	543.12	544.78	1.67	543.12	544.79
PR-063	Crawler Rock driller	Rs/Hr	2505.91	8074.56	10580.47	2512.83	8074.56	10587.39
PS-064	Grouting Machine(electric) out put 3.6 cum/hr	Rs/Hr	50.1	1233.28	1283.38	50.69	1233.28	1283.97
PS-065	Hydraulic jack with pump upto 2000 Ton	Rs/Hr	452.74	1281.72	1734.46	456.68	1281.72	1738.4
PR-066	Guard Rail Pile Driver Machine	Rs/Hr	227.21	2039.66	2266.87	238.3	2039.66	2277.96
PS-071	Concrete Batching Plant 25m3/hr	Rs/Hr	5239.89	5733.92	10973.81	5255.62	5739.42	10995.04
PS-072	Concrete Static Mixer 1 Cum	Rs/Hr	848.13	1141.67	1989.8	856	1144.43	2000.43
PS-073	Concrete Static Mixer 1/4 Cum	Rs/Hr	50.98	1025.18	1076.16	58.85	1027.93	1086.78
PS-074	Concrete Transit Mixer 6 Cum	Rs/Hr	2377.62	3068.98	5446.6	2387.06	3068.98	5456.04
PS-075	Concrete Transit Mixer 4 Cum	Rs/Hr	1448.36	2681.72	4130.08	1456.22	2681.72	4137.94
PS-076	Stressing Equipment for 6500 KN force with electric power	Rs/Hr	213.72	1284.78	1498.5	215.32	1284.78	1500.1
PS-077	Concrete Cutter	Rs/Hr	19.34	555.04	574.38	19.46	555.04	574.5
PS-078	Piling Rig (dia up to 1m)	Rs/Hr	12589.26	15685.28	28274.54	12840.96	15811.13	28652.09
PS-079	Piling Rig (Dia 1m to 2m)	Rs/Hr	28641.3	28686.82	57328.12	28750.16	28741.25	57491.41

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

Codes	Description	Unit	Sujawal			Sukkur		
			Owning Cost	Operating Cost	Total Cost	Owning Cost	Operating Cost	Total Cost
PS-080	Vibrator (Poker 1.5 ")	Rs/Hr	4.47	633.09	637.56	4.48	633.09	637.57
PS-081	Percussion Boring Rig (Diesel)	Rs/Hr	2401.49	10185.58	12587.07	2464.41	10217.04	12681.45
PS-082	Concrete Pump 33 m with tuck chassis	Rs/Hr	2369.04	16128.93	18497.97	2513.76	16201.29	18715.05
PS-083	Girder Launcher (Erecting Capacity max 200 ton)	Rs/Hr	6204.83	4920.82	11125.65	6409.55	5000.66	11410.21
PS-084	Tripod & Chain Pulley (20 Ton)	Rs/Hr	70.55	846.88	917.43	83.14	846.88	930.02
PS-085	Shotcrete Machine 5-8 cum/hr	Rs/Hr	385.22	2336.74	2721.96	386.81	2337.36	2724.17
PS-086	Concrete Slip form Paver 2 to 6m for Road Pavement	Rs/Hr	13257.85	15088.1	28345.95	13283.02	15088.1	28371.12
PS-087	Concrete Slip form Paver for Barrier,curbs,sidewalk up to 3 m	Rs/Hr	5791.61	8772.14	14563.75	5814.9	8772.14	14587.04
PR-088	Asphalt Static Mixer 1 Cum	Rs/Hr	653.77	1073.65	1727.42	661.63	1076.4	1738.03
PS-089	Straight Rotary machine up to 250 mm dia with all tools	Rs/Hr	120.08	1590	1710.08	126.37	1598.74	1725.11
PX-090	Submersible Slug Pump with 65 ft Head	Rs/Hr	15.31	93.05	108.36	15.39	93.09	108.48
PX-091	Tractor 80 HP	Rs/Hr	160.19	2946.63	3106.82	162.59	2946.63	3109.22
PX-092	Tractor 50 HP	Rs/Hr	63.42	1881.92	1945.34	64.72	1881.92	1946.64
PX-093	Water Tank Bowser Type 12000 Liter	Rs/Hr	631.54	5980.95	6612.49	645.7	5980.95	6626.65
PX-094	Water Tank Tow Type 4000 Liter (Including Tractor)	Rs/Hr	150.47	2024.22	2174.69	157.28	2024.22	2181.5
PX-095	Flat Body Truck pay load upto 8 ton	Rs/Hr	364.01	5475.61	5839.62	367.53	5475.61	5843.14
PX-096	Sedan Car 1300 cc	Rs/Hr	249.61	2149.82	2399.43	250.62	2149.82	2400.44
PX-097	Sedan Car 1000 cc	Rs/Hr	199.74	1449.83	1649.57	200.55	1449.83	1650.38
PX-098	Pickup 2800 cc 4 x 4	Rs/Hr	639.08	2664.74	3303.82	640.67	2664.74	3305.41
PX-099	Pickup 2200 cc 4 x 2	Rs/Hr	351.86	1805.61	2157.47	353.45	1805.61	2159.06
PX-100	Pickup 800 cc 4 x 2	Rs/Hr	99.79	888.12	987.91	100.3	888.12	988.42
PX-101	Jeep 1300 cc 4 x 4	Rs/Hr	414.4	1534.07	1948.47	415.03	1534.07	1949.1
PX-102	Trailer Low Bed 30 ton	Rs/Hr	919.59	6530.43	7450.02	927.89	6530.43	7458.32
PX-103	Crane up to 55 Ton	Rs/Hr	2967.77	10530.96	13498.73	2994.13	10530.96	13525.09
PX-104	Crane Upto 25 ton	Rs/Hr	1856.4	9330.97	11187.37	1877.1	9330.97	11208.07
PX-105	Electric Diaphragm Pump	Rs/Hr	27.98	134.94	162.92	28.37	135.09	163.46
PX-106	Sand Blasting Machine	Rs/Hr	307.64	953.85	1261.49	308.14	953.85	1261.99
PX-107	Dump Truck 30 ton (18 cum)	Rs/Hr	2013.34	10283.02	12296.36	2020.89	10283.02	12303.91
PX-108	Tractor with Trolley (8 ton)	Rs/Hr	159.63	2659.43	2819.06	161.44	2659.43	2820.87
PX-109	Welding Plant	Rs/Hr	2.77	95.03	97.8	2.84	95.06	97.9
PX-110	Generator (Diesel) 150 kVa	Rs/Hr	166.5	7463.98	7630.48	167.77	7464.48	7632.25
PX-111	Generator (Diesel) 250 kVa	Rs/Hr	299.02	11122.42	11421.44	300.81	11123.12	11423.93
PX-112	Diesel Tanker 25000 Liter with Pump	Rs/Hr	603.68	7573.01	8176.69	625.71	7573.01	8198.72
PX-113	Forging /Shape Machine	Rs/Hr	30.78	628.29	659.07	31.17	628.29	659.46
PX-114	Generator (Diesel) 50 KVA	Rs/Hr	87.46	2700.45	2787.91	88.1	2700.7	2788.8
PX-115	Diesel Tanker 12000 Liter with Pump	Rs/Hr	295.35	4105	4400.35	311.08	4105	4416.08
PX-116	Diesel Tanker 5000 Liter with Pump	Rs/Hr	242.89	3172	3414.89	250.55	3172	3422.55
PX-117	Diesel Generator 20 KVA	Rs/Hr	63.46	2058.62	2122.08	63.89	2058.78	2122.67
PX-118	Diesel Generator 5 KVA	Rs/Hr	13.26	1020.24	1033.5	13.32	1020.27	1033.59
PX-119	Steel Rolling Machine	Rs/Hr	76.54	400.03	476.57	79.06	401.01	480.07
PX-120	Diesel Generator 13 KVA	Rs/Hr	62.87	1485.7	1548.57	62.93	1485.72	1548.65



## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

Codes	Description	Unit	Tando Allahyar			Tando Muhammad Khan		
			Owning Cost	Operating Cost	Total Cost	Owning Cost	Operating Cost	Total Cost
PE-001	Bulldozer-264 HP (Crawler Dozer-Track Type) with Blade Capacity 7 cum	Rs/Hr	4472.82	10950.13	15422.95	4472.56	10950.13	15422.69
PE-002	Bulldozer-200 HP (Crawler Dozer-Track Type) with Blade Capacity 4.4 cum	Rs/Hr	2983.06	8952.63	11935.69	2982.87	8952.63	11935.5
PE-003	Bulldozer-130 HP (Crawler Dozer-Track Type) with Blade Capacity 2.7 cum	Rs/Hr	2730.56	7010.58	9741.14	2730.44	7010.58	9741.02
PE-004	Wheel Loader 187HP with Bucket Capacity 3.3 cum	Rs/Hr	3574.63	7426.91	11001.54	3574.48	7426.91	11001.39
PE-005	Wheel Loader 166 HP with Bucket Capacity 2.8 cum	Rs/Hr	2820.4	6465.35	9285.75	2820.27	6465.35	9285.62
PE-006	Wheel Loader 135 HP with Bucket Capacity 1.90 cum	Rs/Hr	2630.58	5425.89	8056.47	2630.48	5425.89	8056.37
PE-008	Dumper loading Capacity 18 T	Rs/Hr	1490.14	3235.62	4725.76	1490.02	3235.62	4725.64
PE-009	Dumper loading Capacity 10 T	Rs/Hr	880.49	3034.96	3915.45	880.42	3034.96	3915.38
PE-010	Excavator (Track Type) 100 HP	Rs/Hr	2310.08	7909.08	10219.16	2309.88	7909.08	10218.96
PE-011	Compressor 300 CFM	Rs/Hr	409.29	7364.83	7774.12	409.27	7364.83	7774.1
PE-012	Rock Driller -Pneumatic-plug	Rs/Hr	21.54	584.16	605.7	21.54	584.16	605.7
PE-013	Electric Saw	Rs/Hr	1.37	547.13	548.5	1.37	547.13	548.5
PE-014	Petrol Motorized Chain Saw	Rs/Hr	8.83	328.37	337.2	8.83	329.61	338.44
PE-015	Electric Breaker (Demolition Hammer)	Rs/Hr	15.63	549.45	565.08	15.63	549.45	565.08
PE-016	Plate Compactor	Rs/Hr	85.63	1034.79	1120.42	85.63	1034.79	1120.42
PE-017	Pugmill 40 Tons per hour	Rs/Hr	963.83	8896.63	9860.46	962.02	8896.63	9858.65
PR-018	Combination Roller 18 T Single drum Pad/Sheep Foot Compactor	Rs/Hr	2187.3	6579.81	8767.11	2187.19	6579.81	8767
PR-019	Combination Roller 12 T (Single drum Pad/Sheep Foot Compactor)	Rs/Hr	1460.33	5124.58	6584.91	1460.22	5124.58	6584.8
PR-020	Combination Roller 8T (Single drum Pad/Sheep Foot Compactor)	Rs/Hr	1380.92	5077.17	6458.09	1380.82	5077.17	6457.99
PE-021	Excavator (Track Type) 168 HP with Bucket Capacity 0.8 cum	Rs/Hr	2538.74	8280.47	10819.21	2538.53	8280.47	10819
PE-022	Excavator (Track Type) 250 HP with Bucket Capacity 1.4 cum	Rs/Hr	2840.66	10960.7	13801.36	2840.37	10960.7	13801.07
PE-023	Excavator (Track Type) 345 HP with Bucket Capacity 2.2 cum	Rs/Hr	3391.59	13905.3	17296.89	3391.2	13905.3	17296.5
PE-024	Jack Hammer side type for Excavator (Track Type) 168 HP with Bucket Capacity 0.9 cum	Rs/Hr	138.63	494.2	632.83	138.6	494.18	632.78
PE-025	Jack Hammer side type for Excavator (Track Type) 265/340 HP with Bucket Capacity 1.6/2.3 cum	Rs/Hr	291.44	630.2	921.64	291.4	630.17	921.57
PS-026	Pipe Layer with lifting weight upto 25 Ton	Rs/Hr	2205.51	8337.91	10543.42	2205.26	8337.91	10543.17
PR-031	Motor Grader 250HP with Blade length 4.32m	Rs/Hr	3972.55	9757.98	13730.53	3972.37	9757.98	13730.35
PR-032	Motor Grader 218HP with Blade length 4.32m	Rs/Hr	3475.43	7986.18	11461.61	3475.28	7986.18	11461.46
PR-033	Tandem Roller 12 T	Rs/Hr	1755.33	4765.1	6520.43	1755.23	4765.1	6520.33
PR-034	Tandem Roller 8 T	Rs/Hr	1255	4501.18	5756.18	1254.91	4501.18	5756.09
PR-035	Tandem Roller 6 T	Rs/Hr	1159.18	2827.55	3986.73	1159.1	2827.55	3986.65
PR-036	Tandem Roller 1.50 T	Rs/Hr	420.15	2150.51	2570.66	420.13	2150.51	2570.64
PR-037	Combination Roller 18 T Single drum Plain Compactor	Rs/Hr	1989.09	5842.77	7831.86	1988.98	5842.77	7831.75
PR-038	Combination Roller 12 T (Single drum Plain Compactor)	Rs/Hr	1328.19	5107.99	6436.18	1328.08	5107.99	6436.07
PR-039	Combination Roller 8T (Single drum Plain Compactor)	Rs/Hr	1255.97	5066.42	6322.39	1255.87	5066.42	6322.29
PR-040	P.T.R. (8 - Wheeler) 24 T	Rs/Hr	1395.42	4620.33	6015.75	1395.2	4620.33	6015.53
PR-041	P.T.R. (8 - Wheeler) 18 T	Rs/Hr	1299.61	4549.74	5849.35	1299.39	4549.74	5849.13
PR-043	Tandem Roller 10 T	Rs/Hr	1370.89	4685.19	6056.08	1370.8	4685.19	6055.99
PR-044	Power Broom	Rs/Hr	15.25	384.39	399.64	15.18	384.33	399.51
PR-045	Bitumen Dist. Tow Type 2000 Liter	Rs/Hr	201.85	1294.24	1496.09	201.82	1294.24	1496.06
PR-046	Bitumen Sprayer (Manual) 250 gallon	Rs/Hr	18.78	584.09	602.87	18.75	584.08	602.83
PR-047	Chip Spreader up to 3M Wide (attachment)	Rs/Hr	267.55	1357.45	1625	267.44	1357.4	1624.84
PR-048	Asphalt Plant 140 T	Rs/Hr	22030.65	29093.21	51123.86	22028.84	29092.3	51121.14
PR-049	Asphalt Plant 120 T	Rs/Hr	21422.72	26855.26	48277.98	21421.6	26854.7	48276.3
PR-050	Asphalt Plant 40 T	Rs/Hr	4596.72	12896.3	17493.02	4595.85	12895.86	17491.71
PR-051	Asphalt Plant 20 T	Rs/Hr	3673.06	6258.05	9931.11	3672.46	6257.75	9930.21
PR-052	Asphalt Paver basic width 3m,max 5.9m Wide	Rs/Hr	7616.45	13296.97	20913.42	7616.29	13296.89	20913.18
PR-053	Asphalt Paver ( width 2.4-4.7 m)	Rs/Hr	7222.77	13366.97	20589.74	7222.63	13366.9	20589.53
PR-054	Cold Milling Machine 2 M Wide	Rs/Hr	5908.12	14019.46	19927.58	5907.73	14019.46	19927.19
PR-055	Hand Push high Pressure Cold and Rubber Paint Marking Machine	Rs/Hr	526.48	965.75	1492.23	526.46	965.75	1492.21
PR-056	Aggregate Spreader Up to 3M Wide	Rs/Hr	7222.77	13366.97	20589.74	7222.63	13366.9	20589.53
PR-057	Asphalt Cutter	Rs/Hr	19.36	555.04	574.4	19.36	555.04	574.4
PR-058	Rock Crushing & Screening (200 T/Hr)	Rs/Hr	9655.13	5587.49	15242.62	9653.97	5587.09	15241.06
PR-060	Asphalt Recycling Machine 0 to 60mm depth - 3 to 4m width  120 tons/hr	Rs/Hr	36332.14	19627.3	55959.44	36331.47	19627.3	55958.77
PR-061	Hand Push Thermoplastic Road Marking Machine with double cylinder preheater	Rs/Hr	977.6	1683.65	2661.25	977.37	1683.65	2661.02
PR-062	Cordless Drill Machine	Rs/Hr	1.66	543.12	544.78	1.66	543.12	544.78
PR-063	Crawler Rock driller	Rs/Hr	2507.22	8074.56	10581.78	2507.12	8074.56	10581.68
PS-064	Grouting Machine(electric) out put 3.6 cum/hr	Rs/Hr	50.21	1233.28	1283.49	50.21	1233.28	1283.49
PS-065	Hydraulic jack with pump upto 2000 Ton	Rs/Hr	453.49	1281.72	1735.21	453.43	1281.72	1735.15
PR-066	Guard Rail Pile Driver Machine	Rs/Hr	229.31	2039.66	2268.97	229.15	2039.66	2268.81
PS-071	Concrete Batching Plant 25m3/hr	Rs/Hr	5242.88	5734.96	10977.84	5242.65	5734.88	10977.53
PS-072	Concrete Static Mixer 1 Cum	Rs/Hr	849.63	1142.2	1991.83	849.51	1142.15	1991.66
PS-073	Concrete Static Mixer 1/4 Cum	Rs/Hr	52.48	1025.7	1078.18	52.36	1025.66	1078.02
PS-074	Concrete Transit Mixer 6 Cum	Rs/Hr	2379.41	3068.98	5448.39	2379.27	3068.98	5448.25
PS-075	Concrete Transit Mixer 4 Cum	Rs/Hr	1449.85	2681.72	4131.57	1449.73	2681.72	4131.45
PS-076	Stressing Equipment for 6500 KN force with electric power	Rs/Hr	214.02	1284.78	1498.8	214	1284.78	1498.78
PS-077	Concrete Cutter	Rs/Hr	19.36	555.04	574.4	19.36	555.04	574.4
PS-078	Piling Rig (dia up to 1m)	Rs/Hr	12637.06	15709.18	28346.24	12633.33	15707.32	28340.65
PS-079	Piling Rig (Dia 1m to 2m)	Rs/Hr	28661.97	28697.15	57359.12	28660.36	28696.35	57356.71

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

Codes	Description	Unit	Tando Allahyar			Tando Muhammad Khan		
			Owning Cost	Operating Cost	Total Cost	Owning Cost	Operating Cost	Total Cost
PS-080	Vibrator (Poker 1.5 ")	Rs/Hr	4.47	633.09	637.56	4.47	633.09	637.56
PS-081	Percussion Boring Rig (Diesel)	Rs/Hr	2413.44	10191.56	12605	2412.5	10191.09	12603.59
PS-082	Concrete Pump 33 m with tuck chassis	Rs/Hr	2396.52	16142.67	18539.19	2394.37	16141.59	18535.96
PS-083	Girder Launcher (Erecting Capacity max 200 ton)	Rs/Hr	6243.71	4935.98	11179.69	6240.67	4934.8	11175.47
PS-084	Tripod & Chain Pulley (20 Ton)	Rs/Hr	72.94	846.88	919.82	72.75	846.88	919.63
PS-085	Shotcrete Machine 5-8 cum/hr	Rs/Hr	385.52	2336.85	2722.37	385.5	2336.85	2722.35
PS-086	Concrete Slip form Paver 2 to 6m for Road Pavement	Rs/Hr	13262.63	15088.1	28350.73	13262.25	15088.1	28350.35
PS-087	Concrete Slip form Paver for Barrier,curbs,sidewalk up to 3 m	Rs/Hr	5796.04	8772.14	14568.18	5795.69	8772.14	14567.83
PR-088	Asphalt Static Mixer 1 Cum	Rs/Hr	655.26	1074.17	1729.43	655.14	1074.13	1729.27
PS-089	Straight Rotary machine up to 250 mm dia with all tools	Rs/Hr	121.27	1591.66	1712.93	121.18	1591.53	1712.71
PX-090	Submersible Slug Pump with 65 ft Head	Rs/Hr	15.33	93.06	108.39	15.32	93.06	108.38
PX-091	Tractor 80 HP	Rs/Hr	160.64	2946.63	3107.27	160.61	2946.63	3107.24
PX-092	Tractor 50 HP	Rs/Hr	63.67	1881.92	1945.59	63.65	1881.92	1945.57
PX-093	Water Tank Bowser Type 12000 Liter	Rs/Hr	634.23	5980.95	6615.18	634.02	5980.95	6614.97
PX-094	Water Tank Tow Type 4000 Liter (Including Tractor)	Rs/Hr	151.76	2024.22	2175.98	151.66	2024.22	2175.88
PX-095	Flat Body Truck pay load upto 8 ton	Rs/Hr	364.68	5475.61	5840.29	364.63	5475.61	5840.24
PX-096	Sedan Car 1300 cc	Rs/Hr	249.8	2149.82	2399.62	249.79	2149.82	2399.61
PX-097	Sedan Car 1000 cc	Rs/Hr	199.89	1449.83	1649.72	199.88	1449.83	1649.71
PX-098	Pickup 2800 cc 4 x 4	Rs/Hr	639.38	2664.74	3304.12	639.36	2664.74	3304.1
PX-099	Pickup 2200 cc 4 x 2	Rs/Hr	352.16	1805.61	2157.77	352.14	1805.61	2157.75
PX-100	Pickup 800 cc 4 x 2	Rs/Hr	99.89	888.12	988.01	99.88	888.12	988
PX-101	Jeep 1300 cc 4 x 4	Rs/Hr	414.52	1534.07	1948.59	414.51	1534.07	1948.58
PX-102	Trailer Low Bed 30 ton	Rs/Hr	921.16	6530.43	7451.59	921.04	6530.43	7451.47
PX-103	Crane up to 55 Ton	Rs/Hr	2972.78	10530.96	13503.74	2972.39	10530.96	13503.35
PX-104	Crane Upto 25 ton	Rs/Hr	1860.33	9330.97	11191.3	1860.03	9330.97	11191
PX-105	Electric Diaphragm Pump	Rs/Hr	28.06	134.97	163.03	28.05	134.97	163.02
PX-106	Sand Blasting Machine	Rs/Hr	307.74	953.85	1261.59	307.73	953.85	1261.58
PX-107	Dump Truck 30 ton (18 cum)	Rs/Hr	2014.77	10283.02	12297.79	2014.66	10283.02	12297.68
PX-108	Tractor with Trolley (8 ton)	Rs/Hr	159.98	2659.43	2819.41	159.95	2659.43	2819.38
PX-109	Welding Plant	Rs/Hr	2.78	95.03	97.81	2.78	95.03	97.81
PX-110	Generator (Diesel) 150 kVa	Rs/Hr	166.74	7464.07	7630.81	166.72	7464.07	7630.79
PX-111	Generator (Diesel) 250 kVa	Rs/Hr	299.36	11122.55	11421.91	299.33	11122.54	11421.87
PX-112	Diesel Tanker 25000 Liter with Pump	Rs/Hr	607.86	7573.01	8180.87	607.54	7573.01	8180.55
PX-113	Forging /Shape Machine	Rs/Hr	30.85	628.29	659.14	30.84	628.29	659.13
PX-114	Generator (Diesel) 50 KVA	Rs/Hr	87.58	2700.49	2788.07	87.57	2700.49	2788.06
PX-115	Diesel Tanker 12000 Liter with Pump	Rs/Hr	298.33	4105	4403.33	298.1	4105	4403.1
PX-116	Diesel Tanker 5000 Liter with Pump	Rs/Hr	244.35	3172	3416.35	244.23	3172	3416.23
PX-117	Diesel Generator 20 KVA	Rs/Hr	63.54	2058.65	2122.19	63.54	2058.65	2122.19
PX-118	Diesel Generator 5 KVA	Rs/Hr	13.27	1020.25	1033.52	13.27	1020.25	1033.52
PX-119	Steel Rolling Machine	Rs/Hr	77.02	400.21	477.23	76.98	400.2	477.18
PX-120	Diesel Generator 13 KVA	Rs/Hr	62.88	1485.7	1548.58	62.88	1485.7	1548.58

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

Codes	Description	Unit	Tharparkar			Thatta		
			Owning Cost	Operating Cost	Total Cost	Owning Cost	Operating Cost	Total Cost
PE-001	Bulldozer-264 HP (Crawler Dozer-Track Type) with Blade Capacity 7 cum	Rs/Hr	4483.12	10950.13	15433.25	4469.53	10950.13	15419.66
PE-002	Bulldozer-200 HP (Crawler Dozer-Track Type) with Blade Capacity 4.4 cum	Rs/Hr	2990.66	8952.63	11943.29	2980.63	8952.63	11933.26
PE-003	Bulldozer-130 HP (Crawler Dozer-Track Type) with Blade Capacity 2.7 cum	Rs/Hr	2735.08	7010.58	9745.66	2729.11	7010.58	9739.69
PE-004	Wheel Loader 187HP with Bucket Capacity 3.3 cum	Rs/Hr	3580.61	7426.91	11007.52	3572.72	7426.91	10999.63
PE-005	Wheel Loader 166 HP with Bucket Capacity 2.8 cum	Rs/Hr	2825.37	6465.35	9290.72	2818.81	6465.35	9284.16
PE-006	Wheel Loader 135 HP with Bucket Capacity 1.90 cum	Rs/Hr	2634.52	5425.89	8060.41	2629.32	5425.89	8055.21
PE-008	Dumper loading Capacity 18 T	Rs/Hr	1495.05	3235.62	4730.67	1488.57	3235.62	4724.19
PE-009	Dumper loading Capacity 10 T	Rs/Hr	883.36	3034.96	3918.32	879.57	3034.96	3914.53
PE-010	Excavator (Track Type) 100 HP	Rs/Hr	2317.95	7909.08	10227.03	2307.57	7909.08	10216.65
PE-011	Compressor 300 CFM	Rs/Hr	410.03	7364.83	7774.86	409.05	7364.83	7773.88
PE-012	Rock Driller -Pneumatic-plug	Rs/Hr	21.55	584.17	605.72	21.54	584.16	605.7
PE-013	Electric Saw	Rs/Hr	1.37	547.13	548.5	1.37	547.13	548.5
PE-014	Petrol Motorized Chain Saw	Rs/Hr	8.83	320.07	328.9	8.83	323.97	342.8
PE-015	Electric Breaker (Demolition Hammer)	Rs/Hr	15.64	549.45	565.09	15.63	549.45	565.08
PE-016	Plate Compactor	Rs/Hr	85.82	1034.87	1120.69	85.57	1034.77	1120.34
PE-017	Pugmill 40 Tons per hour	Rs/Hr	1035.1	8896.63	9931.73	941.04	8896.63	9837.67
PR-018	Combination Roller 18 T Single drum Pad/Sheep Foot Compactor	Rs/Hr	2191.66	6579.86	8771.52	2185.9	6579.8	8765.7
PR-019	Combination Roller 12 T (Single drum Pad/Sheep Foot Compactor)	Rs/Hr	1464.57	5124.63	6589.2	1458.98	5124.57	6583.55
PR-020	Combination Roller 8T (Single drum Pad/Sheep Foot Compactor)	Rs/Hr	1384.94	5077.22	6462.16	1379.64	5077.16	6456.8
PE-021	Excavator (Track Type) 168 HP with Bucket Capacity 0.8 cum	Rs/Hr	2547.16	8280.47	10827.63	2536.05	8280.47	10816.52
PE-022	Excavator (Track Type) 250 HP with Bucket Capacity 1.4 cum	Rs/Hr	2852.1	10960.7	13812.8	2837	10960.7	13797.7
PE-023	Excavator (Track Type) 345 HP with Bucket Capacity 2.2 cum	Rs/Hr	3406.94	13905.3	17312.24	3386.68	13905.3	17291.98
PE-024	Jack Hammer side type for Excavator (Track Type) 168 HP with Bucket Capacity 0.9 cum	Rs/Hr	139.7	495.15	634.85	138.29	493.9	632.19
PE-025	Jack Hammer side type for Excavator (Track Type) 265/340 HP with Bucket Capacity 1.6/2.3 cum	Rs/Hr	293.28	631.84	925.12	290.85	629.68	920.53
PS-026	Pipe Layer with lifting weight upto 25 Ton	Rs/Hr	2215.63	8337.91	10553.54	2202.28	8337.91	10540.19
PR-031	Motor Grader 250HP with Blade length 4.32m	Rs/Hr	3979.65	9757.98	13737.63	3970.28	9757.98	13728.26
PR-032	Motor Grader 218HP with Blade length 4.32m	Rs/Hr	3481.29	7986.18	11467.47	3473.55	7986.18	11459.73
PR-033	Tandem Roller 12 T	Rs/Hr	1759.56	4765.15	6524.71	1753.98	4765.09	6519.07
PR-034	Tandem Roller 8 T	Rs/Hr	1258.4	4501.22	5759.62	1253.91	4501.17	5755.08
PR-035	Tandem Roller 6 T	Rs/Hr	1162.59	2827.58	3990.17	1158.1	2827.54	3985.64
PR-036	Tandem Roller 1.50 T	Rs/Hr	420.77	2150.52	2571.29	419.95	2150.51	2570.46
PR-037	Combination Roller 18 T Single drum Plain Compactor	Rs/Hr	1993.45	5842.77	7836.22	1987.69	5842.77	7830.46
PR-038	Combination Roller 12 T (Single drum Plain Compactor)	Rs/Hr	1332.43	5108.03	6440.46	1326.84	5107.97	6434.81
PR-039	Combination Roller 8T (Single drum Plain Compactor)	Rs/Hr	1259.98	5066.47	6326.45	1254.69	5066.41	6321.1
PR-040	P.T.R. (8 - Wheeler) 24 T	Rs/Hr	1404.25	4620.37	6024.62	1392.6	4620.32	6012.92
PR-041	P.T.R. (8 - Wheeler) 18 T	Rs/Hr	1308.44	4549.74	5858.18	1296.79	4549.74	5846.53
PR-043	Tandem Roller 10 T	Rs/Hr	1374.38	4685.23	6059.61	1369.78	4685.18	6054.96
PR-044	Power Broom	Rs/Hr	17.78	386.65	404.43	14.44	383.67	398.11
PR-045	Bitumen Dist. Tow Type 2000 Liter	Rs/Hr	202.8	1294.24	1497.04	201.54	1294.24	1495.78
PR-046	Bitumen Sprayer (Manual) 250 gallon	Rs/Hr	20.01	584.57	604.58	18.39	583.94	602.33
PR-047	Chip Spreader up to 3M Wide (attachment)	Rs/Hr	271.78	1359.1	1630.88	266.2	1356.92	1623.12
PR-048	Asphalt Plant 140 T	Rs/Hr	22101.92	29128.84	51230.76	22007.86	29081.81	51089.67
PR-049	Asphalt Plant 120 T	Rs/Hr	21467.1	26877.45	48344.55	21408.54	26848.17	48256.71
PR-050	Asphalt Plant 40 T	Rs/Hr	4630.97	12913.42	17544.39	4585.76	12890.82	17476.58
PR-051	Asphalt Plant 20 T	Rs/Hr	3696.74	6269.89	9966.63	3665.49	6254.27	9919.76
PR-052	Asphalt Paver basic width 3m,max 5.9m Wide	Rs/Hr	7622.93	13300.21	20923.14	7614.38	13295.93	20910.31
PR-053	Asphalt Paver ( width 2.4-4.7 m)	Rs/Hr	7228.32	13369.74	20598.06	7220.99	13366.08	20587.07
PR-054	Cold Milling Machine 2 M Wide	Rs/Hr	5923.71	14019.46	19943.17	5903.14	14019.46	19922.6
PR-055	Hand Push high Pressure Cold and Rubber Paint Marking Machine	Rs/Hr	527.55	965.75	1493.3	526.14	965.75	1491.89
PR-056	Aggregate Spreader Up to 3M Wide	Rs/Hr	7228.32	13369.74	20598.06	7220.99	13366.08	20587.07
PR-057	Asphalt Cutter	Rs/Hr	19.43	555.04	574.47	19.34	555.04	574.38
PR-058	Rock Crushing & Screening (200 T/Hr)	Rs/Hr	9701.11	5603.59	15304.7	9640.43	5582.35	15222.78
PR-060	Asphalt Recycling Machine 0 to 60mm depth - 3 to 4m width  120 tons/hr	Rs/Hr	36358.57	19627.3	55985.87	36323.69	19627.3	55950.99
PR-061	Hand Push Thermoplastic Road Marking Machine with double cylinder preheater	Rs/Hr	986.62	1683.65	2670.27	974.71	1683.65	2658.36
PR-062	Cordless Drill Machine	Rs/Hr	1.67	543.12	544.79	1.66	543.12	544.78
PR-063	Crawler Rock driller	Rs/Hr	2511.27	8074.56	10585.83	2505.93	8074.56	10580.49
PS-064	Grouting Machine(electric) out put 3.6 cum/hr	Rs/Hr	50.56	1233.28	1283.84	50.1	1233.28	1283.38
PS-065	Hydraulic jack with pump upto 2000 Ton	Rs/Hr	455.79	1281.72	1737.51	452.76	1281.72	1734.48
PR-066	Guard Rail Pile Driver Machine	Rs/Hr	235.8	2039.66	2275.46	227.24	2039.66	2266.9
PS-071	Concrete Batching Plant 25m3/hr	Rs/Hr	5252.08	5738.18	10990.26	5239.94	5733.93	10973.87
PS-072	Concrete Static Mixer 1 Cum	Rs/Hr	854.23	1143.81	1998.04	848.16	1141.68	1989.84
PS-073	Concrete Static Mixer 1/4 Cum	Rs/Hr	57.08	1027.31	1084.39	51.01	1025.19	1076.2
PS-074	Concrete Transit Mixer 6 Cum	Rs/Hr	2384.93	3068.98	5453.91	2377.65	3068.98	5446.63
PS-075	Concrete Transit Mixer 4 Cum	Rs/Hr	1454.45	2681.72	4136.17	1448.38	2681.72	4130.1
PS-076	Stressing Equipment for 6500 KN force with electric power	Rs/Hr	214.96	1284.78	1499.74	213.72	1284.78	1498.5
PS-077	Concrete Cutter	Rs/Hr	19.43	555.04	574.47	19.34	555.04	574.38
PS-078	Piling Rig (dia up to 1m)	Rs/Hr	12784.2	15782.75	28566.95	12590.01	15685.66	28275.67
PS-079	Piling Rig (Dia 1m to 2m)	Rs/Hr	28725.61	28728.97	57454.58	28641.62	28686.98	57328.6

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

Codes	Description	Unit	Tharparkar			Thatta		
			Owning Cost	Operating Cost	Total Cost	Owning Cost	Operating Cost	Total Cost
PS-080	Vibrator (Poker 1.5 ")	Rs/Hr	4.48	633.09	637.57	4.47	633.09	637.56
PS-081	Percussion Boring Rig (Diesel)	Rs/Hr	2450.22	10209.95	12660.17	2401.67	10185.67	12587.34
PS-082	Concrete Pump 33 m with tuck chassis	Rs/Hr	2481.12	16184.97	18666.09	2369.47	16129.14	18498.61
PS-083	Girder Launcher (Erecting Capacity max 200 ton)	Rs/Hr	6363.38	4982.66	11346.04	6205.44	4921.06	11126.5
PS-084	Tripod & Chain Pulley (20 Ton)	Rs/Hr	80.3	846.88	927.18	70.59	846.88	917.47
PS-085	Shotcrete Machine 5-8 cum/hr	Rs/Hr	386.45	2337.22	2723.67	385.23	2336.74	2721.97
PS-086	Concrete Slip form Paver 2 to 6m for Road Pavement	Rs/Hr	13277.34	15088.1	28365.44	13257.92	15088.1	28346.02
PS-087	Concrete Slip form Paver for Barrier,curbs,sidewalk up to 3 m	Rs/Hr	5809.65	8772.14	14581.79	5791.68	8772.14	14563.82
PR-088	Asphalt Static Mixer 1 Cum	Rs/Hr	659.86	1075.78	1735.64	653.79	1073.65	1727.44
PS-089	Straight Rotary machine up to 250 mm dia with all tools	Rs/Hr	124.95	1596.77	1721.72	120.09	1590.02	1710.11
PX-090	Submersible Slug Pump with 65 ft Head	Rs/Hr	15.37	93.08	108.45	15.31	93.05	108.36
PX-091	Tractor 80 HP	Rs/Hr	162.05	2946.63	3108.68	160.19	2946.63	3106.82
PX-092	Tractor 50 HP	Rs/Hr	64.43	1881.92	1946.35	63.42	1881.92	1945.34
PX-093	Water Tank Bowser Type 12000 Liter	Rs/Hr	642.5	5980.95	6623.45	631.58	5980.95	6612.53
PX-094	Water Tank Tow Type 4000 Liter (Including Tractor)	Rs/Hr	155.75	2024.22	2179.97	150.49	2024.22	2174.71
PX-095	Flat Body Truck pay load upto 8 ton	Rs/Hr	366.74	5475.61	5842.35	364.02	5475.61	5839.63
PX-096	Sedan Car 1300 cc	Rs/Hr	250.39	2149.82	2400.21	249.62	2149.82	2399.44
PX-097	Sedan Car 1000 cc	Rs/Hr	200.36	1449.83	1650.19	199.74	1449.83	1649.57
PX-098	Pickup 2800 cc 4 x 4	Rs/Hr	640.31	2664.74	3305.05	639.08	2664.74	3303.82
PX-099	Pickup 2200 cc 4 x 2	Rs/Hr	353.09	1805.61	2158.7	351.86	1805.61	2157.47
PX-100	Pickup 800 cc 4 x 2	Rs/Hr	100.18	888.12	988.3	99.79	888.12	987.91
PX-101	Jeep 1300 cc 4 x 4	Rs/Hr	414.88	1534.07	1948.95	414.4	1534.07	1948.47
PX-102	Trailer Low Bed 30 ton	Rs/Hr	926.02	6530.43	7456.45	919.61	6530.43	7450.04
PX-103	Crane up to 55 Ton	Rs/Hr	2988.18	10530.96	13519.14	2967.85	10530.96	13498.81
PX-104	Crane Upto 25 ton	Rs/Hr	1872.43	9330.97	11203.4	1856.46	9330.97	11187.43
PX-105	Electric Diaphragm Pump	Rs/Hr	28.29	135.06	163.35	27.98	134.94	162.92
PX-106	Sand Blasting Machine	Rs/Hr	308.03	953.85	1261.88	307.64	953.85	1261.49
PX-107	Dump Truck 30 ton (18 cum)	Rs/Hr	2019.19	10283.02	12302.21	2013.36	10283.02	12296.38
PX-108	Tractor with Trolley (8 ton)	Rs/Hr	161.03	2659.43	2820.46	159.64	2659.43	2819.07
PX-109	Welding Plant	Rs/Hr	2.82	95.05	97.87	2.77	95.03	97.8
PX-110	Generator (Diesel) 150 kVa	Rs/Hr	167.48	7464.36	7631.84	166.51	7463.98	7630.49
PX-111	Generator (Diesel) 250 kVa	Rs/Hr	300.41	11122.96	11423.37	299.02	11122.42	11421.44
PX-112	Diesel Tanker 25000 Liter with Pump	Rs/Hr	620.74	7573.01	8193.75	603.75	7573.01	8176.76
PX-113	Forging /Shape Machine	Rs/Hr	31.08	628.29	659.37	30.78	628.29	659.07
PX-114	Generator (Diesel) 50 KVA	Rs/Hr	87.95	2700.64	2788.59	87.46	2700.45	2787.91
PX-115	Diesel Tanker 12000 Liter with Pump	Rs/Hr	307.53	4105	4412.53	295.39	4105	4400.39
PX-116	Diesel Tanker 5000 Liter with Pump	Rs/Hr	248.82	3172	3420.82	242.92	3172	3414.92
PX-117	Diesel Generator 20 KVA	Rs/Hr	63.8	2058.75	2122.55	63.46	2058.62	2122.08
PX-118	Diesel Generator 5 KVA	Rs/Hr	13.31	1020.26	1033.57	13.26	1020.24	1033.5
PX-119	Steel Rolling Machine	Rs/Hr	78.49	400.79	479.28	76.55	400.03	476.58
PX-120	Diesel Generator 13 KVA	Rs/Hr	62.92	1485.72	1548.64	62.87	1485.7	1548.57

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

Codes	Description	Unit	Umerkot		
			Owning Cost	Operating Cost	Total Cost
PE-001	Bulldozer-264 HP (Crawler Dozer-Track Type) with Blade Capacity 7 cum	Rs/Hr	4478.52	10950.13	15428.65
PE-002	Bulldozer-200 HP (Crawler Dozer-Track Type) with Blade Capacity 4.4 cum	Rs/Hr	2987.27	8952.63	11939.9
PE-003	Bulldozer-130 HP (Crawler Dozer-Track Type) with Blade Capacity 2.7 cum	Rs/Hr	2733.06	7010.58	9743.64
PE-004	Wheel Loader 187HP with Bucket Capacity 3.3 cum	Rs/Hr	3577.94	7426.91	11004.85
PE-005	Wheel Loader 166 HP with Bucket Capacity 2.8 cum	Rs/Hr	2823.15	6465.35	9288.5
PE-006	Wheel Loader 135 HP with Bucket Capacity 1.90 cum	Rs/Hr	2632.76	5425.89	8058.65
PE-008	Dumper loading Capacity 18 T	Rs/Hr	1492.85	3235.62	4728.47
PE-009	Dumper loading Capacity 10 T	Rs/Hr	882.08	3034.96	3917.04
PE-010	Excavator (Track Type) 100 HP	Rs/Hr	2314.44	7909.08	10223.52
PE-011	Compressor 300 CFM	Rs/Hr	409.7	7364.83	7774.53
PE-012	Rock Driller -Pneumatic-plug	Rs/Hr	21.55	584.17	605.72
PE-013	Electric Saw	Rs/Hr	1.37	547.13	548.5
PE-014	Petrol Motorized Chain Saw	Rs/Hr	8.83	320.07	328.9
PE-015	Electric Breaker (Demolition Hammer)	Rs/Hr	15.64	549.45	565.09
PE-016	Plate Compactor	Rs/Hr	85.74	1034.84	1120.58
PE-017	Pugmill 40 Tons per hour	Rs/Hr	1003.27	8896.63	9899.9
PR-018	Combination Roller 18 T Single drum Pad/Sheep Foot Compactor	Rs/Hr	2189.71	6579.84	8769.55
PR-019	Combination Roller 12 T (Single drum Pad/Sheep Foot Compactor)	Rs/Hr	1462.68	5124.61	6587.29
PR-020	Combination Roller 8T (Single drum Pad/Sheep Foot Compactor)	Rs/Hr	1383.14	5077.2	6460.34
PE-021	Excavator (Track Type) 168 HP with Bucket Capacity 0.8 cum	Rs/Hr	2543.4	8280.47	10823.87
PE-022	Excavator (Track Type) 250 HP with Bucket Capacity 1.4 cum	Rs/Hr	2846.99	10960.7	13807.69
PE-023	Excavator (Track Type) 345 HP with Bucket Capacity 2.2 cum	Rs/Hr	3400.09	13905.3	17305.39
PE-024	Jack Hammer side type for Excavator (Track Type) 168 HP with Bucket Capacity 0.9 cum	Rs/Hr	139.23	494.74	633.97
PE-025	Jack Hammer side type for Excavator (Track Type) 265/340 HP with Bucket Capacity 1.6/2.3 cum	Rs/Hr	292.46	631.11	923.57
PS-026	Pipe Layer with lifting weight upto 25 Ton	Rs/Hr	2211.11	8337.91	10549.02
PR-031	Motor Grader 250HP with Blade length 4.32m	Rs/Hr	3976.47	9757.98	13734.45
PR-032	Motor Grader 218HP with Blade length 4.32m	Rs/Hr	3478.67	7986.18	11464.85
PR-033	Tandem Roller 12 T	Rs/Hr	1757.67	4765.13	6522.8
PR-034	Tandem Roller 8 T	Rs/Hr	1256.88	4501.2	5758.08
PR-035	Tandem Roller 6 T	Rs/Hr	1161.07	2827.57	3988.64
PR-036	Tandem Roller 1.50 T	Rs/Hr	420.49	2150.51	2571
PR-037	Combination Roller 18 T Single drum Plain Compactor	Rs/Hr	1991.5	5842.77	7834.27
PR-038	Combination Roller 12 T (Single drum Plain Compactor)	Rs/Hr	1330.54	5108.01	6438.55
PR-039	Combination Roller 8T (Single drum Plain Compactor)	Rs/Hr	1258.19	5066.45	6324.64
PR-040	P.T.R. (8 - Wheeler) 24 T	Rs/Hr	1400.31	4620.35	6020.66
PR-041	P.T.R. (8 - Wheeler) 18 T	Rs/Hr	1304.49	4549.74	5854.23
PR-043	Tandem Roller 10 T	Rs/Hr	1372.82	4685.22	6058.04
PR-044	Power Broom	Rs/Hr	16.65	385.64	402.29
PR-045	Bitumen Dist. Tow Type 2000 Liter	Rs/Hr	202.38	1294.24	1496.62
PR-046	Bitumen Sprayer (Manual) 250 gallon	Rs/Hr	19.46	584.35	603.81
PR-047	Chip Spreader up to 3M Wide (attachment)	Rs/Hr	269.89	1358.36	1628.25
PR-048	Asphalt Plant 140 T	Rs/Hr	22070.08	29112.92	51183
PR-049	Asphalt Plant 120 T	Rs/Hr	21447.27	26867.53	48314.8
PR-050	Asphalt Plant 40 T	Rs/Hr	4615.67	12905.77	17521.44
PR-051	Asphalt Plant 20 T	Rs/Hr	3686.16	6264.6	9950.76
PR-052	Asphalt Paver basic width 3m,max 5.9m Wide	Rs/Hr	7620.03	13298.76	20918.79
PR-053	Asphalt Paver ( width 2.4-4.7 m)	Rs/Hr	7225.84	13368.5	20594.34
PR-054	Cold Milling Machine 2 M Wide	Rs/Hr	5916.75	14019.46	19936.21
PR-055	Hand Push high Pressure Cold and Rubber Paint Marking Machine	Rs/Hr	527.07	965.75	1492.82
PR-056	Aggregate Spreader Up to 3M Wide	Rs/Hr	7225.84	13368.5	20594.34
PR-057	Asphalt Cutter	Rs/Hr	19.4	555.04	574.44
PR-058	Rock Crushing & Screening (200 T/Hr)	Rs/Hr	9680.58	5596.4	15276.98
PR-060	Asphalt Recycling Machine 0 to 60mm depth - 3 to 4m width  120 tons/hr	Rs/Hr	36346.77	19627.3	55974.07
PR-061	Hand Push Thermoplastic Road Marking Machine with double cylinder preheater	Rs/Hr	982.59	1683.65	2666.24
PR-062	Cordless Drill Machine	Rs/Hr	1.66	543.12	544.78
PR-063	Crawler Rock driller	Rs/Hr	2509.46	8074.56	10584.02
PS-064	Grouting Machine(electric) out put 3.6 cum/hr	Rs/Hr	50.41	1233.28	1283.69
PS-065	Hydraulic jack with pump upto 2000 Ton	Rs/Hr	454.76	1281.72	1736.48
PR-066	Guard Rail Pile Driver Machine	Rs/Hr	232.9	2039.66	2272.56
PS-071	Concrete Batching Plant 25m3/hr	Rs/Hr	5247.97	5736.74	10984.71
PS-072	Concrete Static Mixer 1 Cum	Rs/Hr	852.17	1143.09	1995.26
PS-073	Concrete Static Mixer 1/4 Cum	Rs/Hr	55.02	1026.59	1081.61
PS-074	Concrete Transit Mixer 6 Cum	Rs/Hr	2382.46	3068.98	5451.44
PS-075	Concrete Transit Mixer 4 Cum	Rs/Hr	1452.39	2681.72	4134.11
PS-076	Stressing Equipment for 6500 KN force with electric power	Rs/Hr	214.54	1284.78	1499.32
PS-077	Concrete Cutter	Rs/Hr	19.4	555.04	574.44
PS-078	Piling Rig (dia up to 1m)	Rs/Hr	12718.47	15749.89	28468.36
PS-079	Piling Rig (Dia 1m to 2m)	Rs/Hr	28697.18	28714.76	57411.94

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

Codes	Description	Unit	Umerkot		
			Owning Cost	Operating Cost	Total Cost
PS-080	Vibrator (Poker 1.5 ")	Rs/Hr	4.48	633.09	637.57
PS-081	Percussion Boring Rig (Diesel)	Rs/Hr	2433.79	10201.73	12635.52
PS-082	Concrete Pump 33 m with tuck chassis	Rs/Hr	2443.33	16166.07	18609.4
PS-083	Girder Launcher (Erecting Capacity max 200 ton)	Rs/Hr	6309.92	4961.81	11271.73
PS-084	Tripod & Chain Pulley (20 Ton)	Rs/Hr	77.01	846.88	923.89
PS-085	Shotcrete Machine 5-8 cum/hr	Rs/Hr	386.04	2337.06	2723.1
PS-086	Concrete Slip form Paver 2 to 6m for Road Pavement	Rs/Hr	13270.77	15088.1	28358.87
PS-087	Concrete Slip form Paver for Barrier,curbs,sidewalk up to 3 m	Rs/Hr	5803.57	8772.14	14575.71
PR-088	Asphalt Static Mixer 1 Cum	Rs/Hr	657.8	1075.06	1732.86
PS-089	Straight Rotary machine up to 250 mm dia with all tools	Rs/Hr	123.31	1594.49	1717.8
PX-090	Submersible Slug Pump with 65 ft Head	Rs/Hr	15.35	93.07	108.42
PX-091	Tractor 80 HP	Rs/Hr	161.42	2946.63	3108.05
PX-092	Tractor 50 HP	Rs/Hr	64.09	1881.92	1946.01
PX-093	Water Tank Bowser Type 12000 Liter	Rs/Hr	638.81	5980.95	6619.76
PX-094	Water Tank Tow Type 4000 Liter (Including Tractor)	Rs/Hr	153.97	2024.22	2178.19
PX-095	Flat Body Truck pay load upto 8 ton	Rs/Hr	365.82	5475.61	5841.43
PX-096	Sedan Car 1300 cc	Rs/Hr	250.13	2149.82	2399.95
PX-097	Sedan Car 1000 cc	Rs/Hr	200.15	1449.83	1649.98
PX-098	Pickup 2800 cc 4 x 4	Rs/Hr	639.9	2664.74	3304.64
PX-099	Pickup 2200 cc 4 x 2	Rs/Hr	352.68	1805.61	2158.29
PX-100	Pickup 800 cc 4 x 2	Rs/Hr	100.05	888.12	988.17
PX-101	Jeep 1300 cc 4 x 4	Rs/Hr	414.72	1534.07	1948.79
PX-102	Trailer Low Bed 30 ton	Rs/Hr	923.85	6530.43	7454.28
PX-103	Crane up to 55 Ton	Rs/Hr	2981.3	10530.96	13512.26
PX-104	Crane Upto 25 ton	Rs/Hr	1867.03	9330.97	11198
PX-105	Electric Diaphragm Pump	Rs/Hr	28.18	135.02	163.2
PX-106	Sand Blasting Machine	Rs/Hr	307.9	953.85	1261.75
PX-107	Dump Truck 30 ton (18 cum)	Rs/Hr	2017.22	10283.02	12300.24
PX-108	Tractor with Trolley (8 ton)	Rs/Hr	160.56	2659.43	2819.99
PX-109	Welding Plant	Rs/Hr	2.8	95.04	97.84
PX-110	Generator (Diesel) 150 kVa	Rs/Hr	167.15	7464.23	7631.38
PX-111	Generator (Diesel) 250 kVa	Rs/Hr	299.94	11122.78	11422.72
PX-112	Diesel Tanker 25000 Liter with Pump	Rs/Hr	614.99	7573.01	8188
PX-113	Forging /Shape Machine	Rs/Hr	30.98	628.29	659.27
PX-114	Generator (Diesel) 50 KVA	Rs/Hr	87.79	2700.57	2788.36
PX-115	Diesel Tanker 12000 Liter with Pump	Rs/Hr	303.42	4105	4408.42
PX-116	Diesel Tanker 5000 Liter with Pump	Rs/Hr	246.82	3172	3418.82
PX-117	Diesel Generator 20 KVA	Rs/Hr	63.68	2058.7	2122.38
PX-118	Diesel Generator 5 KVA	Rs/Hr	13.29	1020.25	1033.54
PX-119	Steel Rolling Machine	Rs/Hr	77.84	400.53	478.37
PX-120	Diesel Generator 13 KVA	Rs/Hr	62.9	1485.71	1548.61