

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

| Codes  | Description  | Unit  | Abbottabad  |                |            | Bajaur Agency |                |            |
|--------|--|-------|-------------|----------------|------------|---------------|----------------|------------|
|        |  |       | 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 | 4548.55     | 10828.96       | 15377.51   | 4556.46       | 10828.96       | 15385.42   |
| PE-002 | Bulldozer-200 HP (Crawler Dozer-Track Type) with Blade Capacity 4.4 cum                      | Rs/Hr | 3038.97     | 8831.46        | 11870.43   | 3044.8        | 8831.46        | 11876.26   |
| PE-003 | Bulldozer-130 HP (Crawler Dozer-Track Type) with Blade Capacity 2.7 cum                      | Rs/Hr | 2763.82     | 6889.41        | 9653.23    | 2767.3        | 6889.41        | 9656.71    |
| PE-004 | Wheel Loader 187HP with Bucket Capacity 3.3 cum  | Rs/Hr | 3618.58     | 7305.74        | 10924.32   | 3623.17       | 7305.74        | 10928.91   |
| PE-005 | Wheel Loader 166 HP with Bucket Capacity 2.8 cum   | Rs/Hr | 2856.97     | 6344.18        | 9201.15    | 2860.79       | 6344.18        | 9204.97    |
| PE-006 | Wheel Loader 135 HP with Bucket Capacity 1.90 cum  | Rs/Hr | 2659.52     | 5304.72        | 7964.24    | 2662.54       | 5304.72        | 7967.26    |
| PE-008 | Dumper loading Capacity 18 T   | Rs/Hr | 1526.2      | 3139.69        | 4665.89    | 1529.97       | 3139.69        | 4669.66    |
| PE-009 | Dumper loading Capacity 10 T   | Rs/Hr | 901.59      | 2939.03        | 3840.62    | 903.79        | 2939.03        | 3842.82    |
| PE-010 | Excavator (Track Type) 100 HP  | Rs/Hr | 2367.94     | 7787.91        | 10155.85   | 2373.98       | 7787.91        | 10161.89   |
| PE-011 | Compressor 300 CFM   | Rs/Hr | 414.73      | 7243.66        | 7658.39    | 415.3         | 7243.66        | 7658.96    |
| PE-012 | Rock Driller -Pneumatic-plug   | Rs/Hr | 21.61       | 511.26         | 532.87     | 21.61         | 511.26         | 532.87     |
| PE-013 | Electric Saw   | Rs/Hr | 1.38        | 474.2          | 475.58     | 1.38          | 474.2          | 475.58     |
| PE-014 | Petrol Motorized Chain Saw   | Rs/Hr | 8.85        | 613.25         | 622.1      | 8.85          | 613.25         | 622.1      |
| PE-015 | Electric Breaker (Demolition Hammer)   | Rs/Hr | 15.71       | 476.52         | 492.23     | 15.72         | 476.52         | 492.24     |
| PE-016 | Plate Compactor  | Rs/Hr | 87.01       | 962.4          | 1049.41    | 87.16         | 962.46         | 1049.62    |
| PE-017 | Pugmill 40 Tons per hour   | Rs/Hr | 1487.89     | 8814.35        | 10302.24   | 1542.57       | 8814.35        | 10356.92   |
| PR-018 | Combination Roller 18 T Single drum Pad/Sheep Foot Compactor                                 | Rs/Hr | 2219.38     | 6459           | 8678.38    | 2222.72       | 6459.03        | 8681.75    |
| PR-019 | Combination Roller 12 T (Single drum Pad/Sheep Foot Compactor)                               | Rs/Hr | 1491.52     | 5003.76        | 6495.28    | 1494.77       | 5003.79        | 6498.56    |
| PR-020 | Combination Roller 8T (Single drum Pad/Sheep Foot Compactor)                                 | Rs/Hr | 1410.43     | 4956.33        | 6366.76    | 1413.51       | 4956.36        | 6369.87    |
| PE-021 | Excavator (Track Type) 168 HP with Bucket Capacity 0.8 cum                                   | Rs/Hr | 2600.68     | 8159.3         | 10759.98   | 2607.14       | 8159.3         | 10766.44   |
| PE-022 | Excavator (Track Type) 250 HP with Bucket Capacity 1.4 cum                                   | Rs/Hr | 2924.78     | 10839.53       | 13764.31   | 2933.56       | 10839.53       | 13773.09   |
| PE-023 | Excavator (Track Type) 345 HP with Bucket Capacity 2.2 cum                                   | Rs/Hr | 3504.49     | 13784.13       | 17288.62   | 3516.27       | 13784.13       | 17300.4    |
| PE-024 | Jack Hammer side type for Excavator (Track Type) 168 HP with Bucket Capacity 0.9 cum         | Rs/Hr | 146.52      | 452.98         | 599.5      | 147.34        | 453.71         | 601.05     |
| PE-025 | Jack Hammer side type for Excavator (Track Type) 265/340 HP with Bucket Capacity 1.6/2.3 cum | Rs/Hr | 304.97      | 594.01         | 898.98     | 306.38        | 595.26         | 901.64     |
| PS-026 | Pipe Layer with lifting weight upto 25 Ton   | Rs/Hr | 2279.9      | 8216.74        | 10496.64   | 2287.66       | 8216.74        | 10504.4    |
| PR-031 | Motor Grader 250HP with Blade length 4.32m   | Rs/Hr | 4024.75     | 9636.81        | 13661.56   | 4030.2        | 9636.81        | 13667.01   |
| PR-032 | Motor Grader 218HP with Blade length 4.32m   | Rs/Hr | 3518.57     | 7865.01        | 11383.58   | 3523.07       | 7865.01        | 11388.08   |
| PR-033 | Tandem Roller 12 T   | Rs/Hr | 1786.44     | 4644.28        | 6430.72    | 1789.68       | 4644.31        | 6433.99    |
| PR-034 | Tandem Roller 8 T  | Rs/Hr | 1280.04     | 4380.29        | 5660.33    | 1282.66       | 4380.32        | 5662.98    |
| PR-035 | Tandem Roller 6 T  | Rs/Hr | 1184.23     | 2706.65        | 3890.88    | 1186.84       | 2706.68        | 3893.52    |
| PR-036 | Tandem Roller 1.50 T   | Rs/Hr | 424.75      | 2029.41        | 2454.16    | 425.23        | 2029.42        | 2454.65    |
| PR-037 | Combination Roller 18 T Single drum Plain Compactor  | Rs/Hr | 2021.17     | 5721.6         | 7742.77    | 2024.51       | 5721.6         | 7746.11    |
| PR-038 | Combination Roller 12 T (Single drum Plain Compactor)  | Rs/Hr | 1359.38     | 4987.16        | 6346.54    | 1362.63       | 4987.2         | 6349.83    |
| PR-039 | Combination Roller 8T (Single drum Plain Compactor)  | Rs/Hr | 1285.48     | 4945.58        | 6231.06    | 1288.56       | 4945.61        | 6234.17    |
| PR-040 | P.T.R. (8 - Wheeler) 24 T  | Rs/Hr | 1460.34     | 4499.49        | 5959.83    | 1467.11       | 4499.52        | 5966.63    |
| PR-041 | P.T.R. (8 - Wheeler) 18 T  | Rs/Hr | 1364.52     | 4428.57        | 5793.09    | 1371.3        | 4428.57        | 5799.87    |
| PR-043 | Tandem Roller 10 T   | Rs/Hr | 1396.51     | 4564.31        | 5960.82    | 1399.18       | 4564.34        | 5963.52    |
| PR-044 | Power Broom  | Rs/Hr | 33.86       | 352.72         | 386.58     | 35.8          | 354.44         | 390.24     |
| PR-045 | Bitumen Dist. Tow Type 2000 Liter  | Rs/Hr | 208.88      | 1255.35        | 1464.23    | 209.61        | 1255.35        | 1464.96    |
| PR-046 | Bitumen Sprayer (Manual) 250 gallon  | Rs/Hr | 27.8        | 514.68         | 542.48     | 28.74         | 515.04         | 543.78     |
| PR-047 | Chip Spreader up to 3M Wide (attachment)   | Rs/Hr | 298.65      | 1209.52        | 1508.17    | 301.9         | 1210.78        | 1512.68    |
| PR-048 | Asphalt Plant 140 T  | Rs/Hr | 22554.7     | 29082.98       | 51637.68   | 22609.39      | 29110.33       | 51719.72   |
| PR-049 | Asphalt Plant 120 T  | Rs/Hr | 21748.99    | 26746.14       | 48495.13   | 21783.04      | 26763.17       | 48546.21   |
| PR-050 | Asphalt Plant 40 T   | Rs/Hr | 4848.6      | 12749.99       | 17598.59   | 4874.89       | 12763.13       | 17638.02   |
| PR-051 | Asphalt Plant 20 T   | Rs/Hr | 3847.18     | 6172.52        | 10019.7    | 3865.35       | 6181.61        | 10046.96   |
| PR-052 | Asphalt Paver basic width 3m,max 5.9m Wide   | Rs/Hr | 7664.06     | 13109.29       | 20773.35   | 7669.02       | 13111.77       | 20780.79   |
| PR-053 | Asphalt Paver ( width 2.4-4.7 m)   | Rs/Hr | 7263.61     | 13175.91       | 20439.52   | 7267.87       | 13178.04       | 20445.91   |
| PR-054 | Cold Milling Machine 2 M Wide  | Rs/Hr | 6022.74     | 13877.25       | 19899.99   | 6034.7        | 13877.25       | 19911.95   |
| PR-055 | Hand Push high Pressure Cold and Rubber Paint Marking Machine                                | Rs/Hr | 534.33      | 913.18         | 1447.51    | 535.15        | 913.18         | 1448.33    |
| PR-056 | Aggregate Spreader Up to 3M Wide   | Rs/Hr | 7263.61     | 13175.91       | 20439.52   | 7267.87       | 13178.04       | 20445.91   |
| PR-057 | Asphalt Cutter   | Rs/Hr | 19.87       | 482.11         | 501.98     | 19.92         | 482.11         | 502.03     |
| PR-058 | Rock Crushing & Screening (200 T/Hr)   | Rs/Hr | 9993.23     | 5494.35        | 15487.58   | 10028.52      | 5506.7         | 15535.22   |
| PR-060 | Asphalt Recycling Machine 0 to 60mm depth - 3 to 4m width  120 tons/hr                       | Rs/Hr | 36526.48    | 19446.2        | 55972.68   | 36546.76      | 19446.2        | 55992.96   |
| PR-061 | Hand Push Thermoplastic Road Marking Machine with double cylinder preheater                  | Rs/Hr | 1043.92     | 1631.09        | 2675.01    | 1050.84       | 1631.09        | 2681.93    |
| PR-062 | Cordless Drill Machine   | Rs/Hr | 1.67        | 470.19         | 471.86     | 1.67          | 470.19         | 471.86     |
| PR-063 | Crawler Rock driller   | Rs/Hr | 2536.97     | 7953.39        | 10490.36   | 2540.08       | 7953.39        | 10493.47   |
| PS-064 | Grouting Machine(electric) out put 3.6 cum/hr  | Rs/Hr | 52.76       | 1073.22        | 1125.98    | 53.02         | 1073.22        | 1126.24    |
| PS-065 | Hydraulic jack with pump upto 2000 Ton   | Rs/Hr | 470.4       | 1160.55        | 1630.95    | 472.16        | 1160.55        | 1632.71    |
| PR-066 | Guard Rail Pile Driver Machine   | Rs/Hr | 276.99      | 1987.09        | 2264.08    | 281.96        | 1987.09        | 2269.05    |
| PS-071 | Concrete Batching Plant 25m3/hr  | Rs/Hr | 5310.5      | 5586.04        | 10896.54   | 5317.56       | 5588.51        | 10906.07   |
| PS-072 | Concrete Static Mixer 1 Cum  | Rs/Hr | 883.44      | 1084.76        | 1968.2     | 886.97        | 1085.99        | 1972.96    |
| PS-073 | Concrete Static Mixer 1/4 Cum  | Rs/Hr | 86.29       | 968.26         | 1054.55    | 89.82         | 969.5          | 1059.32    |
| PS-074 | Concrete Transit Mixer 6 Cum   | Rs/Hr | 2419.98     | 2989.97        | 5409.95    | 2424.22       | 2989.97        | 5414.19    |
| PS-075 | Concrete Transit Mixer 4 Cum   | Rs/Hr | 1483.66     | 2602.72        | 4086.38    | 1487.19       | 2602.72        | 4089.91    |
| PS-076 | Stressing Equipment for 6500 KN force with electric power                                    | Rs/Hr | 220.92      | 1124.72        | 1345.64    | 221.64        | 1124.72        | 1346.36    |
| PS-077 | Concrete Cutter  | Rs/Hr | 19.87       | 482.11         | 501.98     | 19.92         | 482.11         | 502.03     |
| PS-078 | Piling Rig (dia up to 1m)  | Rs/Hr | 13718.98    | 16123.13       | 29842.11   | 13831.88      | 16179.58       | 30011.46   |
| PS-079 | Piling Rig (Dia 1m to 2m)  | Rs/Hr | 29129.9     | 28804.1        | 57934      | 29178.73      | 28828.52       | 58007.25   |

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

| Codes  | Description   | Unit  | Abbottabad  |                |            | Bajaur Agency |                |            |
|--------|---|-------|-------------|----------------|------------|---------------|----------------|------------|
|        |   |       | Owning Cost | Operating Cost | Total Cost | Owning Cost   | Operating Cost | Total Cost |
| PS-080 | Vibrator (Poker 1.5 ")  | Rs/Hr | 4.51        | 560.17         | 564.68     | 4.51          | 560.17         | 564.68     |
| PS-081 | Percussion Boring Rig (Diesel)                                | Rs/Hr | 2683.91     | 10199.78       | 12883.69   | 2712.14       | 10213.89       | 12926.03   |
| PS-082 | Concrete Pump 33 m with tuck chassis                          | Rs/Hr | 3018.62     | 16326.71       | 19345.33   | 3083.54       | 16359.17       | 19442.71   |
| PS-083 | Girder Launcher (Erecting Capacity max 200 ton)               | Rs/Hr | 7123.67     | 5167.35        | 12291.02   | 7215.5        | 5203.16        | 12418.66   |
| PS-084 | Tripod & Chain Pulley (20 Ton)                                | Rs/Hr | 127.04      | 735.06         | 862.1      | 132.68        | 735.06         | 867.74     |
| PS-085 | Shotcrete Machine 5-8 cum/hr                                  | Rs/Hr | 392.35      | 2212.5         | 2604.85    | 393.07        | 2212.79        | 2605.86    |
| PS-086 | Concrete Slip form Paver 2 to 6m for Road Pavement            | Rs/Hr | 13370.82    | 14907.01       | 28277.83   | 13382.11      | 14907.01       | 28289.12   |
| PS-087 | Concrete Slip form Paver for Barrier,curbs,sidewalk up to 3 m | Rs/Hr | 5896.11     | 8552.16        | 14448.27   | 5906.56       | 8552.16        | 14458.72   |
| PR-088 | Asphalt Static Mixer 1 Cum                                    | Rs/Hr | 689.07      | 1016.73        | 1705.8     | 692.6         | 1017.96        | 1710.56    |
| PS-089 | Straight Rotary machine up to 250 mm dia with all tools       | Rs/Hr | 148.32      | 1502.24        | 1650.56    | 151.14        | 1506.16        | 1657.3     |
| PX-090 | Submersible Slug Pump with 65 ft Head                         | Rs/Hr | 15.66       | 83.84          | 99.5       | 15.7          | 83.86          | 99.56      |
| PX-091 | Tractor 80 HP   | Rs/Hr | 170.99      | 2889.6         | 3060.59    | 172.07        | 2889.6         | 3061.67    |
| PX-092 | Tractor 50 HP   | Rs/Hr | 69.25       | 1839.47        | 1908.72    | 69.83         | 1839.47        | 1909.3     |
| PX-093 | Water Tank Bowser Type 12000 Liter                            | Rs/Hr | 695.09      | 5938.5         | 6633.59    | 701.44        | 5938.5         | 6639.94    |
| PX-094 | Water Tank Tow Type 4000 Liter (Including Tractor)            | Rs/Hr | 181.04      | 1967.19        | 2148.23    | 184.1         | 1967.19        | 2151.29    |
| PX-095 | Flat Body Truck pay load upto 8 ton                           | Rs/Hr | 379.83      | 5379.68        | 5759.51    | 381.41        | 5379.68        | 5761.09    |
| PX-096 | Sedan Car 1300 cc   | Rs/Hr | 254.13      | 2107.38        | 2361.51    | 254.58        | 2107.38        | 2361.96    |
| PX-097 | Sedan Car 1000 cc   | Rs/Hr | 203.37      | 1407.39        | 1610.76    | 203.74        | 1407.39        | 1611.13    |
| PX-098 | Pickup 2800 cc 4 x 4  | Rs/Hr | 646.24      | 2622.29        | 3268.53    | 646.96        | 2622.29        | 3269.25    |
| PX-099 | Pickup 2200 cc 4 x 2  | Rs/Hr | 359.02      | 1763.16        | 2122.18    | 359.74        | 1763.16        | 2122.9     |
| PX-100 | Pickup 800 cc 4 x 2   | Rs/Hr | 102.08      | 845.68         | 947.76     | 102.31        | 845.68         | 947.99     |
| PX-101 | Jeep 1300 cc 4 x 4  | Rs/Hr | 417.22      | 1491.62        | 1908.84    | 417.5         | 1491.62        | 1909.12    |
| PX-102 | Trailer Low Bed 30 ton  | Rs/Hr | 956.87      | 6434.51        | 7391.38    | 960.59        | 6434.51        | 7395.1     |
| PX-103 | Crane up to 55 Ton  | Rs/Hr | 3086.06     | 10409.79       | 13495.85   | 3097.88       | 10409.79       | 13507.67   |
| PX-104 | Crane Upto 25 ton   | Rs/Hr | 1949.29     | 9209.8         | 11159.09   | 1958.58       | 9209.8         | 11168.38   |
| PX-105 | Electric Diaphragm Pump                                       | Rs/Hr | 29.75       | 126.28         | 156.03     | 29.92         | 126.35         | 156.27     |
| PX-106 | Sand Blasting Machine   | Rs/Hr | 309.89      | 832.68         | 1142.57    | 310.11        | 832.68         | 1142.79    |
| PX-107 | Dump Truck 30 ton (18 cum)                                    | Rs/Hr | 2047.23     | 10225.98       | 12273.21   | 2050.62       | 10225.98       | 12276.6    |
| PX-108 | Tractor with Trolley (8 ton)                                  | Rs/Hr | 167.73      | 2602.39        | 2770.12    | 168.54        | 2602.39        | 2770.93    |
| PX-109 | Welding Plant   | Rs/Hr | 3.08        | 85.8           | 88.88      | 3.11          | 85.81          | 88.92      |
| PX-110 | Generator (Diesel) 150 kVa                                    | Rs/Hr | 172.19      | 7438.62        | 7610.81    | 172.76        | 7438.84        | 7611.6     |
| PX-111 | Generator (Diesel) 250 kVa                                    | Rs/Hr | 307.07      | 11097.98       | 11405.05   | 307.87        | 11098.29       | 11406.16   |
| PX-112 | Diesel Tanker 25000 Liter with Pump                           | Rs/Hr | 702.53      | 7451.84        | 8154.37    | 712.41        | 7451.84        | 8164.25    |
| PX-113 | Forging /Shape Machine  | Rs/Hr | 32.53       | 546.01         | 578.54     | 32.7          | 546.01         | 578.71     |
| PX-114 | Generator (Diesel) 50 KVA                                     | Rs/Hr | 90.31       | 2673.98        | 2764.29    | 90.6          | 2674.09        | 2764.69    |
| PX-115 | Diesel Tanker 12000 Liter with Pump                           | Rs/Hr | 365.95      | 3983.83        | 4349.78    | 373.01        | 3983.83        | 4356.84    |
| PX-116 | Diesel Tanker 5000 Liter with Pump                            | Rs/Hr | 277.25      | 3050.83        | 3328.08    | 280.69        | 3050.83        | 3331.52    |
| PX-117 | Diesel Generator 20 KVA                                       | Rs/Hr | 65.38       | 2031.78        | 2097.16    | 65.58         | 2031.86        | 2097.44    |
| PX-118 | Diesel Generator 5 KVA  | Rs/Hr | 13.52       | 992.76         | 1006.28    | 13.54         | 992.77         | 1006.31    |
| PX-119 | Steel Rolling Machine   | Rs/Hr | 87.84       | 367.13         | 454.97     | 88.97         | 367.57         | 456.54     |
| PX-120 | Diesel Generator 13 KVA                                       | Rs/Hr | 63.13       | 1458.22        | 1521.35    | 63.15         | 1458.23        | 1521.38    |

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

| Codes  | Description  | Unit  | Bannu       |                |            | Battagram   |                |            |
|--------|--|-------|-------------|----------------|------------|-------------|----------------|------------|
|        |  |       | 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 | 4528.96     | 10828.96       | 15357.92   | 4552.39     | 10828.96       | 15381.35   |
| PE-002 | Bulldozer-200 HP (Crawler Dozer-Track Type) with Blade Capacity 4.4 cum                      | Rs/Hr | 3024.5      | 8831.46        | 11855.96   | 3041.8      | 8831.46        | 11873.26   |
| PE-003 | Bulldozer-130 HP (Crawler Dozer-Track Type) with Blade Capacity 2.7 cum                      | Rs/Hr | 2755.22     | 6889.41        | 9644.63    | 2765.51     | 6889.41        | 9654.92    |
| PE-004 | Wheel Loader 187HP with Bucket Capacity 3.3 cum  | Rs/Hr | 3607.21     | 7305.74        | 10912.95   | 3620.81     | 7305.74        | 10926.55   |
| PE-005 | Wheel Loader 166 HP with Bucket Capacity 2.8 cum   | Rs/Hr | 2847.51     | 6344.18        | 9191.69    | 2858.82     | 6344.18        | 9203       |
| PE-006 | Wheel Loader 135 HP with Bucket Capacity 1.90 cum  | Rs/Hr | 2652.04     | 5304.72        | 7956.76    | 2660.99     | 5304.72        | 7965.71    |
| PE-008 | Dumper loading Capacity 18 T   | Rs/Hr | 1516.88     | 3139.69        | 4656.57    | 1528.03     | 3139.69        | 4667.72    |
| PE-009 | Dumper loading Capacity 10 T   | Rs/Hr | 896.13      | 2939.03        | 3835.16    | 902.66      | 2939.03        | 3841.69    |
| PE-010 | Excavator (Track Type) 100 HP  | Rs/Hr | 2352.97     | 7787.91        | 10140.88   | 2370.87     | 7787.91        | 10158.78   |
| PE-011 | Compressor 300 CFM   | Rs/Hr | 413.32      | 7243.66        | 7656.98    | 415.01      | 7243.66        | 7658.67    |
| PE-012 | Rock Driller -Pneumatic-plug   | Rs/Hr | 21.59       | 511.25         | 532.84     | 21.61       | 511.26         | 532.87     |
| PE-013 | Electric Saw   | Rs/Hr | 1.38        | 474.2          | 475.58     | 1.38        | 474.2          | 475.58     |
| PE-014 | Petrol Motorized Chain Saw   | Rs/Hr | 8.84        | 613.25         | 622.09     | 8.85        | 613.25         | 622.1      |
| PE-015 | Electric Breaker (Demolition Hammer)   | Rs/Hr | 15.69       | 476.52         | 492.21     | 15.71       | 476.52         | 492.23     |
| PE-016 | Plate Compactor  | Rs/Hr | 86.66       | 962.27         | 1048.93    | 87.08       | 962.43         | 1049.51    |
| PE-017 | Pugmill 40 Tons per hour   | Rs/Hr | 1352.32     | 8814.35        | 10166.67   | 1514.47     | 8814.35        | 10328.82   |
| PR-018 | Combination Roller 18 T Single drum Pad/Sheep Foot Compactor                                 | Rs/Hr | 2211.08     | 6458.91        | 8669.99    | 2221        | 6459.02        | 8680.02    |
| PR-019 | Combination Roller 12 T (Single drum Pad/Sheep Foot Compactor)                               | Rs/Hr | 1483.45     | 5003.67        | 6487.12    | 1493.1      | 5003.77        | 6496.87    |
| PR-020 | Combination Roller 8T (Single drum Pad/Sheep Foot Compactor)                                 | Rs/Hr | 1402.8      | 4956.24        | 6359.04    | 1411.93     | 4956.34        | 6368.27    |
| PE-021 | Excavator (Track Type) 168 HP with Bucket Capacity 0.8 cum                                   | Rs/Hr | 2584.66     | 8159.3         | 10743.96   | 2603.82     | 8159.3         | 10763.12   |
| PE-022 | Excavator (Track Type) 250 HP with Bucket Capacity 1.4 cum                                   | Rs/Hr | 2903.02     | 10839.53       | 13742.55   | 2929.05     | 10839.53       | 13768.58   |
| PE-023 | Excavator (Track Type) 345 HP with Bucket Capacity 2.2 cum                                   | Rs/Hr | 3475.28     | 13784.13       | 17259.41   | 3510.22     | 13784.13       | 17294.35   |
| PE-024 | Jack Hammer side type for Excavator (Track Type) 168 HP with Bucket Capacity 0.9 cum         | Rs/Hr | 144.48      | 451.17         | 595.65     | 146.92      | 453.34         | 600.26     |
| PE-025 | Jack Hammer side type for Excavator (Track Type) 265/340 HP with Bucket Capacity 1.6/2.3 cum | Rs/Hr | 301.47      | 590.89         | 892.36     | 305.65      | 594.61         | 900.26     |
| PS-026 | Pipe Layer with lifting weight upto 25 Ton   | Rs/Hr | 2260.65     | 8216.74        | 10477.39   | 2283.67     | 8216.74        | 10500.41   |
| PR-031 | Motor Grader 250HP with Blade length 4.32m   | Rs/Hr | 4011.24     | 9636.81        | 13648.05   | 4027.4      | 9636.81        | 13664.21   |
| PR-032 | Motor Grader 218HP with Blade length 4.32m   | Rs/Hr | 3507.41     | 7865.01        | 11372.42   | 3520.76     | 7865.01        | 11385.77   |
| PR-033 | Tandem Roller 12 T   | Rs/Hr | 1778.39     | 4644.19        | 6422.58    | 1788.02     | 4644.29        | 6432.31    |
| PR-034 | Tandem Roller 8 T  | Rs/Hr | 1273.56     | 4380.22        | 5653.78    | 1281.31     | 4380.3         | 5661.61    |
| PR-035 | Tandem Roller 6 T  | Rs/Hr | 1177.75     | 2706.58        | 3884.33    | 1185.5      | 2706.67        | 3892.17    |
| PR-036 | Tandem Roller 1.50 T   | Rs/Hr | 423.56      | 2029.39        | 2452.95    | 424.98      | 2029.41        | 2454.39    |
| PR-037 | Combination Roller 18 T Single drum Plain Compactor  | Rs/Hr | 2012.87     | 5721.6         | 7734.47    | 2022.79     | 5721.6         | 7744.39    |
| PR-038 | Combination Roller 12 T (Single drum Plain Compactor)  | Rs/Hr | 1351.31     | 4987.07        | 6338.38    | 1360.96     | 4987.18        | 6348.14    |
| PR-039 | Combination Roller 8T (Single drum Plain Compactor)  | Rs/Hr | 1277.84     | 4945.5         | 6223.34    | 1286.97     | 4945.6         | 6232.57    |
| PR-040 | P.T.R. (8 - Wheeler) 24 T  | Rs/Hr | 1443.54     | 4499.4         | 5942.94    | 1463.63     | 4499.5         | 5963.13    |
| PR-041 | P.T.R. (8 - Wheeler) 18 T  | Rs/Hr | 1347.73     | 4428.57        | 5776.3     | 1367.82     | 4428.57        | 5796.39    |
| PR-043 | Tandem Roller 10 T   | Rs/Hr | 1389.88     | 4564.23        | 5954.11    | 1397.81     | 4564.32        | 5962.13    |
| PR-044 | Power Broom  | Rs/Hr | 29.04       | 348.43         | 377.47     | 34.8        | 353.55         | 388.35     |
| PR-045 | Bitumen Dist. Tow Type 2000 Liter  | Rs/Hr | 207.06      | 1255.35        | 1462.41    | 209.24      | 1255.35        | 1464.59    |
| PR-046 | Bitumen Sprayer (Manual) 250 gallon  | Rs/Hr | 25.46       | 513.76         | 539.22     | 28.25       | 514.85         | 543.1      |
| PR-047 | Chip Spreader up to 3M Wide (attachment)   | Rs/Hr | 290.61      | 1206.38        | 1496.99    | 300.23      | 1210.13        | 1510.36    |
| PR-048 | Asphalt Plant 140 T  | Rs/Hr | 22419.13    | 29015.2        | 51434.33   | 22581.28    | 29096.27       | 51677.55   |
| PR-049 | Asphalt Plant 120 T  | Rs/Hr | 21664.59    | 26703.94       | 48368.53   | 21765.54    | 26754.42       | 48519.96   |
| PR-050 | Asphalt Plant 40 T   | Rs/Hr | 4783.44     | 12717.41       | 17500.85   | 4861.38     | 12756.38       | 17617.76   |
| PR-051 | Asphalt Plant 20 T   | Rs/Hr | 3802.14     | 6150           | 9952.14    | 3856.01     | 6176.94        | 10032.95   |
| PR-052 | Asphalt Paver basic width 3m,max 5.9m Wide   | Rs/Hr | 7651.74     | 13103.13       | 20754.87   | 7666.47     | 13110.5        | 20776.97   |
| PR-053 | Asphalt Paver ( width 2.4-4.7 m)   | Rs/Hr | 7253.05     | 13170.63       | 20423.68   | 7265.68     | 13176.94       | 20442.62   |
| PR-054 | Cold Milling Machine 2 M Wide  | Rs/Hr | 5993.09     | 13877.25       | 19870.34   | 6028.55     | 13877.25       | 19905.8    |
| PR-055 | Hand Push high Pressure Cold and Rubber Paint Marking Machine                                | Rs/Hr | 532.3       | 913.18         | 1445.48    | 534.72      | 913.18         | 1447.9     |
| PR-056 | Aggregate Spreader Up to 3M Wide   | Rs/Hr | 7253.05     | 13170.63       | 20423.68   | 7265.68     | 13176.94       | 20442.62   |
| PR-057 | Asphalt Cutter   | Rs/Hr | 19.74       | 482.11         | 501.85     | 19.9        | 482.11         | 502.01     |
| PR-058 | Rock Crushing & Screening (200 T/Hr)   | Rs/Hr | 9905.77     | 5463.74        | 15369.51   | 10010.38    | 5500.35        | 15510.73   |
| PR-060 | Asphalt Recycling Machine 0 to 60mm depth - 3 to 4m width  120 tons/hr                       | Rs/Hr | 36476.21    | 19446.2        | 55922.41   | 36536.34    | 19446.2        | 55982.54   |
| PR-061 | Hand Push Thermoplastic Road Marking Machine with double cylinder preheater                  | Rs/Hr | 1026.76     | 1631.09        | 2657.85    | 1047.28     | 1631.09        | 2678.37    |
| PR-062 | Cordless Drill Machine   | Rs/Hr | 1.67        | 470.19         | 471.86     | 1.67        | 470.19         | 471.86     |
| PR-063 | Crawler Rock driller   | Rs/Hr | 2529.28     | 7953.39        | 10482.67   | 2538.48     | 7953.39        | 10491.87   |
| PS-064 | Grouting Machine(electric) out put 3.6 cum/hr  | Rs/Hr | 52.1        | 1073.22        | 1125.32    | 52.89       | 1073.22        | 1126.11    |
| PS-065 | Hydraulic jack with pump upto 2000 Ton   | Rs/Hr | 466.02      | 1160.55        | 1626.57    | 471.25      | 1160.55        | 1631.8     |
| PR-066 | Guard Rail Pile Driver Machine   | Rs/Hr | 264.65      | 1987.09        | 2251.74    | 279.4       | 1987.09        | 2266.49    |
| PS-071 | Concrete Batching Plant 25m3/hr  | Rs/Hr | 5293.01     | 5579.92        | 10872.93   | 5313.93     | 5587.24        | 10901.17   |
| PS-072 | Concrete Static Mixer 1 Cum  | Rs/Hr | 874.69      | 1081.69        | 1956.38    | 885.15      | 1085.35        | 1970.5     |
| PS-073 | Concrete Static Mixer 1/4 Cum  | Rs/Hr | 77.54       | 965.2          | 1042.74    | 88          | 968.86         | 1056.86    |
| PS-074 | Concrete Transit Mixer 6 Cum   | Rs/Hr | 2409.49     | 2989.97        | 5399.46    | 2422.04     | 2989.97        | 5412.01    |
| PS-075 | Concrete Transit Mixer 4 Cum   | Rs/Hr | 1474.91     | 2602.72        | 4077.63    | 1485.37     | 2602.72        | 4088.09    |
| PS-076 | Stressing Equipment for 6500 KN force with electric power                                    | Rs/Hr | 219.14      | 1124.72        | 1343.86    | 221.27      | 1124.72        | 1345.99    |
| PS-077 | Concrete Cutter  | Rs/Hr | 19.74       | 482.11         | 501.85     | 19.9        | 482.11         | 502.01     |
| PS-078 | Piling Rig (dia up to 1m)  | Rs/Hr | 13439.09    | 15983.19       | 29422.28   | 13773.86    | 16150.57       | 29924.43   |
| PS-079 | Piling Rig (Dia 1m to 2m)  | Rs/Hr | 29008.85    | 28743.58       | 57752.43   | 29153.63    | 28815.97       | 57969.6    |

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

| Codes  | Description   | Unit  | Bannu       |                |            | Battagram   |                |            |
|--------|---|-------|-------------|----------------|------------|-------------|----------------|------------|
|        |   |       | Owning Cost | Operating Cost | Total Cost | Owning Cost | Operating Cost | Total Cost |
| PS-080 | Vibrator (Poker 1.5 ")  | Rs/Hr | 4.5         | 560.17         | 564.67     | 4.51        | 560.17         | 564.68     |
| PS-081 | Percussion Boring Rig (Diesel)                                | Rs/Hr | 2613.94     | 10164.79       | 12778.73   | 2697.63     | 10206.64       | 12904.27   |
| PS-082 | Concrete Pump 33 m with tuck chassis                          | Rs/Hr | 2857.69     | 16246.24       | 19103.93   | 3050.18     | 16342.49       | 19392.67   |
| PS-083 | Girder Launcher (Erecting Capacity max 200 ton)               | Rs/Hr | 6896.03     | 5078.57        | 11974.6    | 7168.3      | 5184.75        | 12353.05   |
| PS-084 | Tripod & Chain Pulley (20 Ton)                                | Rs/Hr | 113.04      | 735.06         | 848.1      | 129.78      | 735.06         | 864.84     |
| PS-085 | Shotcrete Machine 5-8 cum/hr                                  | Rs/Hr | 390.59      | 2211.82        | 2602.41    | 392.7       | 2212.64        | 2605.34    |
| PS-086 | Concrete Slip form Paver 2 to 6m for Road Pavement            | Rs/Hr | 13342.83    | 14907.01       | 28249.84   | 13376.31    | 14907.01       | 28283.32   |
| PS-087 | Concrete Slip form Paver for Barrier,curbs,sidewalk up to 3 m | Rs/Hr | 5870.22     | 8552.16        | 14422.38   | 5901.19     | 8552.16        | 14453.35   |
| PR-088 | Asphalt Static Mixer 1 Cum                                    | Rs/Hr | 680.32      | 1013.66        | 1693.98    | 690.78      | 1017.32        | 1708.1     |
| PS-089 | Straight Rotary machine up to 250 mm dia with all tools       | Rs/Hr | 141.32      | 1492.51        | 1633.83    | 149.69      | 1504.15        | 1653.84    |
| PX-090 | Submersible Slug Pump with 65 ft Head                         | Rs/Hr | 15.58       | 83.81          | 99.39      | 15.68       | 83.85          | 99.53      |
| PX-091 | Tractor 80 HP   | Rs/Hr | 168.31      | 2889.6         | 3057.91    | 171.52      | 2889.6         | 3061.12    |
| PX-092 | Tractor 50 HP   | Rs/Hr | 67.8        | 1839.47        | 1907.27    | 69.53       | 1839.47        | 1909       |
| PX-093 | Water Tank Bowser Type 12000 Liter                            | Rs/Hr | 679.34      | 5938.5         | 6617.84    | 698.17      | 5938.5         | 6636.67    |
| PX-094 | Water Tank Tow Type 4000 Liter (Including Tractor)            | Rs/Hr | 173.47      | 1967.19        | 2140.66    | 182.53      | 1967.19        | 2149.72    |
| PX-095 | Flat Body Truck pay load upto 8 ton                           | Rs/Hr | 375.91      | 5379.68        | 5755.59    | 380.6       | 5379.68        | 5760.28    |
| PX-096 | Sedan Car 1300 cc   | Rs/Hr | 253.01      | 2107.38        | 2360.39    | 254.35      | 2107.38        | 2361.73    |
| PX-097 | Sedan Car 1000 cc   | Rs/Hr | 202.47      | 1407.39        | 1609.86    | 203.55      | 1407.39        | 1610.94    |
| PX-098 | Pickup 2800 cc 4 x 4  | Rs/Hr | 644.47      | 2622.29        | 3266.76    | 646.59      | 2622.29        | 3268.88    |
| PX-099 | Pickup 2200 cc 4 x 2  | Rs/Hr | 357.25      | 1763.16        | 2120.41    | 359.37      | 1763.16        | 2122.53    |
| PX-100 | Pickup 800 cc 4 x 2   | Rs/Hr | 101.51      | 845.68         | 947.19     | 102.19      | 845.68         | 947.87     |
| PX-101 | Jeep 1300 cc 4 x 4  | Rs/Hr | 416.52      | 1491.62        | 1908.14    | 417.36      | 1491.62        | 1908.98    |
| PX-102 | Trailer Low Bed 30 ton  | Rs/Hr | 947.63      | 6434.51        | 7382.14    | 958.68      | 6434.51        | 7393.19    |
| PX-103 | Crane up to 55 Ton  | Rs/Hr | 3056.75     | 10409.79       | 13466.54   | 3091.8      | 10409.79       | 13501.59   |
| PX-104 | Crane Upto 25 ton   | Rs/Hr | 1926.28     | 9209.8         | 11136.08   | 1953.81     | 9209.8         | 11163.61   |
| PX-105 | Electric Diaphragm Pump                                       | Rs/Hr | 29.31       | 126.11         | 155.42     | 29.83       | 126.31         | 156.14     |
| PX-106 | Sand Blasting Machine   | Rs/Hr | 309.33      | 832.68         | 1142.01    | 310         | 832.68         | 1142.68    |
| PX-107 | Dump Truck 30 ton (18 cum)                                    | Rs/Hr | 2038.83     | 10225.98       | 12264.81   | 2048.88     | 10225.98       | 12274.86   |
| PX-108 | Tractor with Trolley (8 ton)                                  | Rs/Hr | 165.73      | 2602.39        | 2768.12    | 168.13      | 2602.39        | 2770.52    |
| PX-109 | Welding Plant   | Rs/Hr | 3           | 85.77          | 88.77      | 3.1         | 85.81          | 88.91      |
| PX-110 | Generator (Diesel) 150 kVa                                    | Rs/Hr | 170.78      | 7438.07        | 7608.85    | 172.47      | 7438.73        | 7611.2     |
| PX-111 | Generator (Diesel) 250 kVa                                    | Rs/Hr | 305.08      | 11097.2        | 11402.28   | 307.46      | 11098.13       | 11405.59   |
| PX-112 | Diesel Tanker 25000 Liter with Pump                           | Rs/Hr | 678.04      | 7451.84        | 8129.88    | 707.33      | 7451.84        | 8159.17    |
| PX-113 | Forging /Shape Machine  | Rs/Hr | 32.09       | 546.01         | 578.1      | 32.61       | 546.01         | 578.62     |
| PX-114 | Generator (Diesel) 50 KVA                                     | Rs/Hr | 89.61       | 2673.7         | 2763.31    | 90.45       | 2674.03        | 2764.48    |
| PX-115 | Diesel Tanker 12000 Liter with Pump                           | Rs/Hr | 348.46      | 3983.83        | 4332.29    | 369.38      | 3983.83        | 4353.21    |
| PX-116 | Diesel Tanker 5000 Liter with Pump                            | Rs/Hr | 268.74      | 3050.83        | 3319.57    | 278.92      | 3050.83        | 3329.75    |
| PX-117 | Diesel Generator 20 KVA                                       | Rs/Hr | 64.91       | 2031.6         | 2096.51    | 65.48       | 2031.82        | 2097.3     |
| PX-118 | Diesel Generator 5 KVA  | Rs/Hr | 13.45       | 992.73         | 1006.18    | 13.53       | 992.77         | 1006.3     |
| PX-119 | Steel Rolling Machine   | Rs/Hr | 85.04       | 366.04         | 451.08     | 88.39       | 367.34         | 455.73     |
| PX-120 | Diesel Generator 13 KVA                                       | Rs/Hr | 63.06       | 1458.19        | 1521.25    | 63.14       | 1458.22        | 1521.36    |

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

| Codes  | Description  | Unit  | Buner       |                |            | Charsadda   |                |            |
|--------|--|-------|-------------|----------------|------------|-------------|----------------|------------|
|        |  |       | 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 | 4544.6      | 10828.96       | 15373.56   | 4539.17     | 10828.96       | 15368.13   |
| PE-002 | Bulldozer-200 HP (Crawler Dozer-Track Type) with Blade Capacity 4.4 cum                      | Rs/Hr | 3036.05     | 8831.46        | 11867.51   | 3032.04     | 8831.46        | 11863.5    |
| PE-003 | Bulldozer-130 HP (Crawler Dozer-Track Type) with Blade Capacity 2.7 cum                      | Rs/Hr | 2762.09     | 6889.41        | 9651.5     | 2759.7      | 6889.41        | 9649.11    |
| PE-004 | Wheel Loader 187HP with Bucket Capacity 3.3 cum  | Rs/Hr | 3616.29     | 7305.74        | 10922.03   | 3613.14     | 7305.74        | 10918.88   |
| PE-005 | Wheel Loader 166 HP with Bucket Capacity 2.8 cum   | Rs/Hr | 2855.06     | 6344.18        | 9199.24    | 2852.44     | 6344.18        | 9196.62    |
| PE-006 | Wheel Loader 135 HP with Bucket Capacity 1.90 cum  | Rs/Hr | 2658.01     | 5304.72        | 7962.73    | 2655.94     | 5304.72        | 7960.66    |
| PE-008 | Dumper loading Capacity 18 T   | Rs/Hr | 1524.32     | 3139.69        | 4664.01    | 1521.74     | 3139.69        | 4661.43    |
| PE-009 | Dumper loading Capacity 10 T   | Rs/Hr | 900.49      | 2939.03        | 3839.52    | 898.97      | 2939.03        | 3838       |
| PE-010 | Excavator (Track Type) 100 HP  | Rs/Hr | 2364.92     | 7787.91        | 10152.83   | 2360.77     | 7787.91        | 10148.68   |
| PE-011 | Compressor 300 CFM   | Rs/Hr | 414.45      | 7243.66        | 7658.11    | 414.06      | 7243.66        | 7657.72    |
| PE-012 | Rock Driller -Pneumatic-plug   | Rs/Hr | 21.6        | 511.26         | 532.86     | 21.6        | 511.26         | 532.86     |
| PE-013 | Electric Saw   | Rs/Hr | 1.38        | 474.2          | 475.58     | 1.38        | 474.2          | 475.58     |
| PE-014 | Petrol Motorized Chain Saw   | Rs/Hr | 8.84        | 613.25         | 622.09     | 8.84        | 613.25         | 622.09     |
| PE-015 | Electric Breaker (Demolition Hammer)   | Rs/Hr | 15.7        | 476.52         | 492.22     | 15.7        | 476.52         | 492.22     |
| PE-016 | Plate Compactor  | Rs/Hr | 86.94       | 962.37         | 1049.31    | 86.84       | 962.34         | 1049.18    |
| PE-017 | Pugmill 40 Tons per hour   | Rs/Hr | 1460.54     | 8814.35        | 10274.89   | 1422.95     | 8814.35        | 10237.3    |
| PR-018 | Combination Roller 18 T Single drum Pad/Sheep Foot Compactor                                 | Rs/Hr | 2217.7      | 6458.98        | 8676.68    | 2215.4      | 6458.95        | 8674.35    |
| PR-019 | Combination Roller 12 T (Single drum Pad/Sheep Foot Compactor)                               | Rs/Hr | 1489.89     | 5003.74        | 6493.63    | 1487.65     | 5003.71        | 6491.36    |
| PR-020 | Combination Roller 8T (Single drum Pad/Sheep Foot Compactor)                                 | Rs/Hr | 1408.89     | 4956.31        | 6365.2     | 1406.78     | 4956.29        | 6363.07    |
| PE-021 | Excavator (Track Type) 168 HP with Bucket Capacity 0.8 cum                                   | Rs/Hr | 2597.45     | 8159.3         | 10756.75   | 2593.01     | 8159.3         | 10752.31   |
| PE-022 | Excavator (Track Type) 250 HP with Bucket Capacity 1.4 cum                                   | Rs/Hr | 2920.39     | 10839.53       | 13759.92   | 2914.36     | 10839.53       | 13753.89   |
| PE-023 | Excavator (Track Type) 345 HP with Bucket Capacity 2.2 cum                                   | Rs/Hr | 3498.6      | 13784.13       | 17282.73   | 3490.5      | 13784.13       | 17274.63   |
| PE-024 | Jack Hammer side type for Excavator (Track Type) 168 HP with Bucket Capacity 0.9 cum         | Rs/Hr | 146.11      | 452.62         | 598.73     | 145.54      | 452.11         | 597.65     |
| PE-025 | Jack Hammer side type for Excavator (Track Type) 265/340 HP with Bucket Capacity 1.6/2.3 cum | Rs/Hr | 304.26      | 593.37         | 897.63     | 303.29      | 592.51         | 895.8      |
| PS-026 | Pipe Layer with lifting weight upto 25 Ton   | Rs/Hr | 2276.01     | 8216.74        | 10492.75   | 2270.68     | 8216.74        | 10487.42   |
| PR-031 | Motor Grader 250HP with Blade length 4.32m   | Rs/Hr | 4022.03     | 9636.81        | 13658.84   | 4018.28     | 9636.81        | 13655.09   |
| PR-032 | Motor Grader 218HP with Blade length 4.32m   | Rs/Hr | 3516.32     | 7865.01        | 11381.33   | 3513.22     | 7865.01        | 11378.23   |
| PR-033 | Tandem Roller 12 T   | Rs/Hr | 1784.82     | 4644.26        | 6429.08    | 1782.58     | 4644.24        | 6426.82    |
| PR-034 | Tandem Roller 8 T  | Rs/Hr | 1278.74     | 4380.28        | 5659.02    | 1276.94     | 4380.26        | 5657.2     |
| PR-035 | Tandem Roller 6 T  | Rs/Hr | 1182.92     | 2706.64        | 3889.56    | 1181.13     | 2706.62        | 3887.75    |
| PR-036 | Tandem Roller 1.50 T   | Rs/Hr | 424.51      | 2029.41        | 2453.92    | 424.18      | 2029.4         | 2453.58    |
| PR-037 | Combination Roller 18 T Single drum Plain Compactor  | Rs/Hr | 2019.49     | 5721.6         | 7741.09    | 2017.19     | 5721.6         | 7738.79    |
| PR-038 | Combination Roller 12 T (Single drum Plain Compactor)  | Rs/Hr | 1357.75     | 4987.14        | 6344.89    | 1355.51     | 4987.12        | 6342.63    |
| PR-039 | Combination Roller 8T (Single drum Plain Compactor)  | Rs/Hr | 1283.94     | 4945.56        | 6229.5     | 1281.82     | 4945.54        | 6227.36    |
| PR-040 | P.T.R. (8 - Wheeler) 24 T  | Rs/Hr | 1456.95     | 4499.47        | 5956.42    | 1452.29     | 4499.44        | 5951.73    |
| PR-041 | P.T.R. (8 - Wheeler) 18 T  | Rs/Hr | 1361.14     | 4428.57        | 5789.71    | 1356.48     | 4428.57        | 5785.05    |
| PR-043 | Tandem Roller 10 T   | Rs/Hr | 1395.17     | 4564.29        | 5959.46    | 1393.33     | 4564.27        | 5957.6     |
| PR-044 | Power Broom  | Rs/Hr | 32.89       | 351.85         | 384.74     | 31.55       | 350.66         | 382.21     |
| PR-045 | Bitumen Dist. Tow Type 2000 Liter  | Rs/Hr | 208.51      | 1255.35        | 1463.86    | 208.01      | 1255.35        | 1463.36    |
| PR-046 | Bitumen Sprayer (Manual) 250 gallon  | Rs/Hr | 27.33       | 514.49         | 541.82     | 26.68       | 514.24         | 540.92     |
| PR-047 | Chip Spreader up to 3M Wide (attachment)   | Rs/Hr | 297.03      | 1208.88        | 1505.91    | 294.8       | 1208.01        | 1502.81    |
| PR-048 | Asphalt Plant 140 T  | Rs/Hr | 22527.36    | 29069.31       | 51596.67   | 22489.76    | 29050.51       | 51540.27   |
| PR-049 | Asphalt Plant 120 T  | Rs/Hr | 21731.97    | 26737.63       | 48469.6    | 21708.56    | 26725.93       | 48434.49   |
| PR-050 | Asphalt Plant 40 T   | Rs/Hr | 4835.46     | 12743.42       | 17578.88   | 4817.39     | 12734.38       | 17551.77   |
| PR-051 | Asphalt Plant 20 T   | Rs/Hr | 3838.1      | 6167.98        | 10006.08   | 3825.6      | 6161.73        | 9987.33    |
| PR-052 | Asphalt Paver basic width 3m,max 5.9m Wide   | Rs/Hr | 7661.57     | 13108.05       | 20769.62   | 7658.16     | 13106.34       | 20764.5    |
| PR-053 | Asphalt Paver ( width 2.4-4.7 m)   | Rs/Hr | 7261.48     | 13174.84       | 20436.32   | 7258.55     | 13173.38       | 20431.93   |
| PR-054 | Cold Milling Machine 2 M Wide  | Rs/Hr | 6016.76     | 13877.25       | 19894.01   | 6008.54     | 13877.25       | 19885.79   |
| PR-055 | Hand Push high Pressure Cold and Rubber Paint Marking Machine                                | Rs/Hr | 533.92      | 913.18         | 1447.1     | 533.35      | 913.18         | 1446.53    |
| PR-056 | Aggregate Spreader Up to 3M Wide   | Rs/Hr | 7261.48     | 13174.84       | 20436.32   | 7258.55     | 13173.38       | 20431.93   |
| PR-057 | Asphalt Cutter   | Rs/Hr | 19.84       | 482.11         | 501.95     | 19.81       | 482.11         | 501.92     |
| PR-058 | Rock Crushing & Screening (200 T/Hr)   | Rs/Hr | 9975.59     | 5488.18        | 15463.77   | 9951.34     | 5479.69        | 15431.03   |
| PR-060 | Asphalt Recycling Machine 0 to 60mm depth - 3 to 4m width  120 tons/hr                       | Rs/Hr | 36516.34    | 19446.2        | 55962.54   | 36502.4     | 19446.2        | 55948.6    |
| PR-061 | Hand Push Thermoplastic Road Marking Machine with double cylinder preheater                  | Rs/Hr | 1040.46     | 1631.09        | 2671.55    | 1035.7      | 1631.09        | 2666.79    |
| PR-062 | Cordless Drill Machine   | Rs/Hr | 1.67        | 470.19         | 471.86     | 1.67        | 470.19         | 471.86     |
| PR-063 | Crawler Rock driller   | Rs/Hr | 2535.42     | 7953.39        | 10488.81   | 2533.29     | 7953.39        | 10486.68   |
| PS-064 | Grouting Machine(electric) out put 3.6 cum/hr  | Rs/Hr | 52.62       | 1073.22        | 1125.84    | 52.44       | 1073.22        | 1125.66    |
| PS-065 | Hydraulic jack with pump upto 2000 Ton   | Rs/Hr | 469.51      | 1160.55        | 1630.06    | 468.3       | 1160.55        | 1628.85    |
| PR-066 | Guard Rail Pile Driver Machine   | Rs/Hr | 274.5       | 1987.09        | 2261.59    | 271.08      | 1987.09        | 2258.17    |
| PS-071 | Concrete Batching Plant 25m3/hr  | Rs/Hr | 5306.97     | 5584.8         | 10891.77   | 5302.12     | 5583.11        | 10885.23   |
| PS-072 | Concrete Static Mixer 1 Cum  | Rs/Hr | 881.67      | 1084.14        | 1965.81    | 879.25      | 1083.29        | 1962.54    |
| PS-073 | Concrete Static Mixer 1/4 Cum  | Rs/Hr | 84.52       | 967.64         | 1052.16    | 82.1        | 966.8          | 1048.9     |
| PS-074 | Concrete Transit Mixer 6 Cum   | Rs/Hr | 2417.87     | 2989.97        | 5407.84    | 2414.95     | 2989.97        | 5404.92    |
| PS-075 | Concrete Transit Mixer 4 Cum   | Rs/Hr | 1481.89     | 2602.72        | 4084.61    | 1479.47     | 2602.72        | 4082.19    |
| PS-076 | Stressing Equipment for 6500 KN force with electric power                                    | Rs/Hr | 220.56      | 1124.72        | 1345.28    | 220.07      | 1124.72        | 1344.79    |
| PS-077 | Concrete Cutter  | Rs/Hr | 19.84       | 482.11         | 501.95     | 19.81       | 482.11         | 501.92     |
| PS-078 | Piling Rig (dia up to 1m)  | Rs/Hr | 13662.53    | 16094.91       | 29757.44   | 13584.92    | 16056.1        | 29641.02   |
| PS-079 | Piling Rig (Dia 1m to 2m)  | Rs/Hr | 29105.49    | 28791.9        | 57897.39   | 29071.92    | 28775.11       | 57847.03   |

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

| Codes  | Description   | Unit  | Buner       |                |            | Charsadda   |                |            |
|--------|---|-------|-------------|----------------|------------|-------------|----------------|------------|
|        |   |       | Owning Cost | Operating Cost | Total Cost | Owning Cost | Operating Cost | Total Cost |
| PS-080 | Vibrator (Poker 1.5 ")  | Rs/Hr | 4.5         | 560.17         | 564.67     | 4.5         | 560.17         | 564.67     |
| PS-081 | Percussion Boring Rig (Diesel)                                | Rs/Hr | 2669.8      | 10192.72       | 12862.52   | 2650.4      | 10183.02       | 12833.42   |
| PS-082 | Concrete Pump 33 m with tuck chassis                          | Rs/Hr | 2986.16     | 16310.48       | 19296.64   | 2941.53     | 16288.16       | 19229.69   |
| PS-083 | Girder Launcher (Erecting Capacity max 200 ton)               | Rs/Hr | 7077.76     | 5149.44        | 12227.2    | 7014.63     | 5124.82        | 12139.45   |
| PS-084 | Tripod & Chain Pulley (20 Ton)                                | Rs/Hr | 124.21      | 735.06         | 859.27     | 120.33      | 735.06         | 855.39     |
| PS-085 | Shotcrete Machine 5-8 cum/hr                                  | Rs/Hr | 392         | 2212.37        | 2604.37    | 391.51      | 2212.18        | 2603.69    |
| PS-086 | Concrete Slip form Paver 2 to 6m for Road Pavement            | Rs/Hr | 13365.17    | 14907.01       | 28272.18   | 13357.41    | 14907.01       | 28264.42   |
| PS-087 | Concrete Slip form Paver for Barrier,curbs,sidewalk up to 3 m | Rs/Hr | 5890.89     | 8552.16        | 14443.05   | 5883.71     | 8552.16        | 14435.87   |
| PR-088 | Asphalt Static Mixer 1 Cum                                    | Rs/Hr | 687.31      | 1016.11        | 1703.42    | 684.88      | 1015.26        | 1700.14    |
| PS-089 | Straight Rotary machine up to 250 mm dia with all tools       | Rs/Hr | 146.91      | 1500.28        | 1647.19    | 144.97      | 1497.59        | 1642.56    |
| PX-090 | Submersible Slug Pump with 65 ft Head                         | Rs/Hr | 15.65       | 83.84          | 99.49      | 15.62       | 83.83          | 99.45      |
| PX-091 | Tractor 80 HP   | Rs/Hr | 170.45      | 2889.6         | 3060.05    | 169.71      | 2889.6         | 3059.31    |
| PX-092 | Tractor 50 HP   | Rs/Hr | 68.95       | 1839.47        | 1908.42    | 68.55       | 1839.47        | 1908.02    |
| PX-093 | Water Tank Bowser Type 12000 Liter                            | Rs/Hr | 691.91      | 5938.5         | 6630.41    | 687.54      | 5938.5         | 6626.04    |
| PX-094 | Water Tank Tow Type 4000 Liter (Including Tractor)            | Rs/Hr | 179.52      | 1967.19        | 2146.71    | 177.42      | 1967.19        | 2144.61    |
| PX-095 | Flat Body Truck pay load upto 8 ton                           | Rs/Hr | 379.04      | 5379.68        | 5758.72    | 377.95      | 5379.68        | 5757.63    |
| PX-096 | Sedan Car 1300 cc   | Rs/Hr | 253.91      | 2107.38        | 2361.29    | 253.6       | 2107.38        | 2360.98    |
| PX-097 | Sedan Car 1000 cc   | Rs/Hr | 203.19      | 1407.39        | 1610.58    | 202.94      | 1407.39        | 1610.33    |
| PX-098 | Pickup 2800 cc 4 x 4  | Rs/Hr | 645.88      | 2622.29        | 3268.17    | 645.39      | 2622.29        | 3267.68    |
| PX-099 | Pickup 2200 cc 4 x 2  | Rs/Hr | 358.67      | 1763.16        | 2121.83    | 358.17      | 1763.16        | 2121.33    |
| PX-100 | Pickup 800 cc 4 x 2   | Rs/Hr | 101.97      | 845.68         | 947.65     | 101.81      | 845.68         | 947.49     |
| PX-101 | Jeep 1300 cc 4 x 4  | Rs/Hr | 417.08      | 1491.62        | 1908.7     | 416.89      | 1491.62        | 1908.51    |
| PX-102 | Trailer Low Bed 30 ton  | Rs/Hr | 955         | 6434.51        | 7389.51    | 952.44      | 6434.51        | 7386.95    |
| PX-103 | Crane up to 55 Ton  | Rs/Hr | 3080.15     | 10409.79       | 13489.94   | 3072.02     | 10409.79       | 13481.81   |
| PX-104 | Crane Upto 25 ton   | Rs/Hr | 1944.65     | 9209.8         | 11154.45   | 1938.27     | 9209.8         | 11148.07   |
| PX-105 | Electric Diaphragm Pump                                       | Rs/Hr | 29.66       | 126.25         | 155.91     | 29.54       | 126.2          | 155.74     |
| PX-106 | Sand Blasting Machine   | Rs/Hr | 309.78      | 832.68         | 1142.46    | 309.62      | 832.68         | 1142.3     |
| PX-107 | Dump Truck 30 ton (18 cum)                                    | Rs/Hr | 2045.54     | 10225.98       | 12271.52   | 2043.21     | 10225.98       | 12269.19   |
| PX-108 | Tractor with Trolley (8 ton)                                  | Rs/Hr | 167.33      | 2602.39        | 2769.72    | 166.77      | 2602.39        | 2769.16    |
| PX-109 | Welding Plant   | Rs/Hr | 3.07        | 85.8           | 88.87      | 3.05        | 85.79          | 88.84      |
| PX-110 | Generator (Diesel) 150 kVa                                    | Rs/Hr | 171.91      | 7438.51        | 7610.42    | 171.52      | 7438.36        | 7609.88    |
| PX-111 | Generator (Diesel) 250 kVa                                    | Rs/Hr | 306.67      | 11097.82       | 11404.49   | 306.11      | 11097.6        | 11403.71   |
| PX-112 | Diesel Tanker 25000 Liter with Pump                           | Rs/Hr | 697.59      | 7451.84        | 8149.43    | 690.8       | 7451.84        | 8142.64    |
| PX-113 | Forging /Shape Machine  | Rs/Hr | 32.44       | 546.01         | 578.45     | 32.32       | 546.01         | 578.33     |
| PX-114 | Generator (Diesel) 50 KVA                                     | Rs/Hr | 90.17       | 2673.92        | 2764.09    | 89.97       | 2673.84        | 2763.81    |
| PX-115 | Diesel Tanker 12000 Liter with Pump                           | Rs/Hr | 362.43      | 3983.83        | 4346.26    | 357.57      | 3983.83        | 4341.4     |
| PX-116 | Diesel Tanker 5000 Liter with Pump                            | Rs/Hr | 275.54      | 3050.83        | 3326.37    | 273.18      | 3050.83        | 3324.01    |
| PX-117 | Diesel Generator 20 KVA                                       | Rs/Hr | 65.29       | 2031.75        | 2097.04    | 65.16       | 2031.7         | 2096.86    |
| PX-118 | Diesel Generator 5 KVA  | Rs/Hr | 13.5        | 992.75         | 1006.25    | 13.49       | 992.75         | 1006.24    |
| PX-119 | Steel Rolling Machine   | Rs/Hr | 87.28       | 366.91         | 454.19     | 86.5        | 366.61         | 453.11     |
| PX-120 | Diesel Generator 13 KVA                                       | Rs/Hr | 63.11       | 1458.21        | 1521.32    | 63.1        | 1458.21        | 1521.31    |

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

| Codes  | Description  | Unit  | Chitral     |                |            | D.I.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 | 4556.24     | 10828.96       | 15385.2    | 4521.94     | 10828.96       | 15350.9    |
| PE-002 | Bulldozer-200 HP (Crawler Dozer-Track Type) with Blade Capacity 4.4 cum                      | Rs/Hr | 3044.64     | 8831.46        | 11876.1    | 3019.32     | 8831.46        | 11850.78   |
| PE-003 | Bulldozer-130 HP (Crawler Dozer-Track Type) with Blade Capacity 2.7 cum                      | Rs/Hr | 2767.2      | 6889.41        | 9656.61    | 2752.13     | 6889.41        | 9641.54    |
| PE-004 | Wheel Loader 187HP with Bucket Capacity 3.3 cum  | Rs/Hr | 3623.04     | 7305.74        | 10928.78   | 3603.14     | 7305.74        | 10908.88   |
| PE-005 | Wheel Loader 166 HP with Bucket Capacity 2.8 cum   | Rs/Hr | 2860.68     | 6344.18        | 9204.86    | 2844.12     | 6344.18        | 9188.3     |
| PE-006 | Wheel Loader 135 HP with Bucket Capacity 1.90 cum  | Rs/Hr | 2662.46     | 5304.72        | 7967.18    | 2649.35     | 5304.72        | 7954.07    |
| PE-008 | Dumper loading Capacity 18 T   | Rs/Hr | 1529.86     | 3139.69        | 4669.55    | 1513.53     | 3139.69        | 4653.22    |
| PE-009 | Dumper loading Capacity 10 T   | Rs/Hr | 903.73      | 2939.03        | 3842.76    | 894.17      | 2939.03        | 3833.2     |
| PE-010 | Excavator (Track Type) 100 HP  | Rs/Hr | 2373.81     | 7787.91        | 10161.72   | 2347.61     | 7787.91        | 10135.52   |
| PE-011 | Compressor 300 CFM   | Rs/Hr | 415.29      | 7243.66        | 7658.95    | 412.82      | 7243.66        | 7656.48    |
| PE-012 | Rock Driller -Pneumatic-plug   | Rs/Hr | 21.61       | 511.26         | 532.87     | 21.58       | 511.25         | 532.83     |
| PE-013 | Electric Saw   | Rs/Hr | 1.38        | 474.2          | 475.58     | 1.38        | 474.2          | 475.58     |
| PE-014 | Petrol Motorized Chain Saw   | Rs/Hr | 8.85        | 613.25         | 622.1      | 8.84        | 613.25         | 622.09     |
| PE-015 | Electric Breaker (Demolition Hammer)   | Rs/Hr | 15.72       | 476.52         | 492.24     | 15.68       | 476.52         | 492.2      |
| PE-016 | Plate Compactor  | Rs/Hr | 87.15       | 962.46         | 1049.61    | 86.53       | 962.21         | 1048.74    |
| PE-017 | Pugmill 40 Tons per hour   | Rs/Hr | 1541.05     | 8814.35        | 10355.4    | 1303.71     | 8814.35        | 10118.06   |
| PR-018 | Combination Roller 18 T Single drum Pad/Sheep Foot Compactor                                 | Rs/Hr | 2222.63     | 6459.03        | 8681.66    | 2208.1      | 6458.87        | 8666.97    |
| PR-019 | Combination Roller 12 T (Single drum Pad/Sheep Foot Compactor)                               | Rs/Hr | 1494.68     | 5003.79        | 6498.47    | 1480.56     | 5003.64        | 6484.2     |
| PR-020 | Combination Roller 8T (Single drum Pad/Sheep Foot Compactor)                                 | Rs/Hr | 1413.43     | 4956.36        | 6369.79    | 1400.06     | 4956.21        | 6356.27    |
| PE-021 | Excavator (Track Type) 168 HP with Bucket Capacity 0.8 cum                                   | Rs/Hr | 2606.96     | 8159.3         | 10766.26   | 2578.91     | 8159.3         | 10738.21   |
| PE-022 | Excavator (Track Type) 250 HP with Bucket Capacity 1.4 cum                                   | Rs/Hr | 2933.31     | 10839.53       | 13772.84   | 2895.22     | 10839.53       | 13734.75   |
| PE-023 | Excavator (Track Type) 345 HP with Bucket Capacity 2.2 cum                                   | Rs/Hr | 3515.94     | 13784.13       | 17300.07   | 3464.81     | 13784.13       | 17248.94   |
| PE-024 | Jack Hammer side type for Excavator (Track Type) 168 HP with Bucket Capacity 0.9 cum         | Rs/Hr | 147.32      | 453.7          | 601.02     | 143.75      | 450.52         | 594.27     |
| PE-025 | Jack Hammer side type for Excavator (Track Type) 265/340 HP with Bucket Capacity 1.6/2.3 cum | Rs/Hr | 306.34      | 595.22         | 901.56     | 300.21      | 589.77         | 889.98     |
| PS-026 | Pipe Layer with lifting weight upto 25 Ton   | Rs/Hr | 2287.44     | 8216.74        | 10504.18   | 2253.75     | 8216.74        | 10470.49   |
| PR-031 | Motor Grader 250HP with Blade length 4.32m   | Rs/Hr | 4030.05     | 9636.81        | 13666.86   | 4006.4      | 9636.81        | 13643.21   |
| PR-032 | Motor Grader 218HP with Blade length 4.32m   | Rs/Hr | 3522.94     | 7865.01        | 11387.95   | 3503.41     | 7865.01        | 11368.42   |
| PR-033 | Tandem Roller 12 T   | Rs/Hr | 1789.59     | 4644.31        | 6433.9     | 1775.51     | 4644.16        | 6419.67    |
| PR-034 | Tandem Roller 8 T  | Rs/Hr | 1282.58     | 4380.32        | 5662.9     | 1271.24     | 4380.19        | 5651.43    |
| PR-035 | Tandem Roller 6 T  | Rs/Hr | 1186.77     | 2706.68        | 3893.45    | 1175.43     | 2706.56        | 3881.99    |
| PR-036 | Tandem Roller 1.50 T   | Rs/Hr | 425.21      | 2029.42        | 2454.63    | 423.13      | 2029.38        | 2452.51    |
| PR-037 | Combination Roller 18 T Single drum Plain Compactor  | Rs/Hr | 2024.42     | 5721.6         | 7746.02    | 2009.89     | 5721.6         | 7731.49    |
| PR-038 | Combination Roller 12 T (Single drum Plain Compactor)  | Rs/Hr | 1362.54     | 4987.2         | 6349.74    | 1348.42     | 4987.04        | 6335.46    |
| PR-039 | Combination Roller 8T (Single drum Plain Compactor)  | Rs/Hr | 1288.47     | 4945.61        | 6234.08    | 1275.11     | 4945.47        | 6220.58    |
| PR-040 | P.T.R. (8 - Wheeler) 24 T  | Rs/Hr | 1466.92     | 4499.52        | 5966.44    | 1437.52     | 4499.37        | 5936.89    |
| PR-041 | P.T.R. (8 - Wheeler) 18 T  | Rs/Hr | 1371.11     | 4428.57        | 5799.68    | 1341.71     | 4428.57        | 5770.28    |
| PR-043 | Tandem Roller 10 T   | Rs/Hr | 1399.11     | 4564.34        | 5963.45    | 1387.5      | 4564.21        | 5951.71    |
| PR-044 | Power Broom  | Rs/Hr | 35.74       | 354.39         | 390.13     | 27.32       | 346.9          | 374.22     |
| PR-045 | Bitumen Dist. Tow Type 2000 Liter  | Rs/Hr | 209.59      | 1255.35        | 1464.94    | 206.41      | 1255.35        | 1461.76    |
| PR-046 | Bitumen Sprayer (Manual) 250 gallon  | Rs/Hr | 28.71       | 515.03         | 543.74     | 24.63       | 513.44         | 538.07     |
| PR-047 | Chip Spreader up to 3M Wide (attachment)   | Rs/Hr | 301.81      | 1210.75        | 1512.56    | 287.72      | 1205.25        | 1492.97    |
| PR-048 | Asphalt Plant 140 T  | Rs/Hr | 22607.86    | 29109.56       | 51717.42   | 22370.52    | 28990.89       | 51361.41   |
| PR-049 | Asphalt Plant 120 T  | Rs/Hr | 21782.09    | 26762.69       | 48544.78   | 21634.32    | 26688.81       | 48323.13   |
| PR-050 | Asphalt Plant 40 T   | Rs/Hr | 4874.15     | 12762.76       | 17636.91   | 4760.07     | 12705.72       | 17465.79   |
| PR-051 | Asphalt Plant 20 T   | Rs/Hr | 3864.84     | 6181.35        | 10046.19   | 3785.99     | 6141.93        | 9927.92    |
| PR-052 | Asphalt Paver basic width 3m,max 5.9m Wide   | Rs/Hr | 7668.89     | 13111.71       | 20780.6    | 7647.33     | 13100.93       | 20748.26   |
| PR-053 | Asphalt Paver ( width 2.4-4.7 m)   | Rs/Hr | 7267.75     | 13177.98       | 20445.73   | 7249.26     | 13168.73       | 20417.99   |
| PR-054 | Cold Milling Machine 2 M Wide  | Rs/Hr | 6034.37     | 13877.25       | 19911.62   | 5982.46     | 13877.25       | 19859.71   |
| PR-055 | Hand Push high Pressure Cold and Rubber Paint Marking Machine                                | Rs/Hr | 535.12      | 913.18         | 1448.3     | 531.57      | 913.18         | 1444.75    |
| PR-056 | Aggregate Spreader Up to 3M Wide   | Rs/Hr | 7267.75     | 13177.98       | 20445.73   | 7249.26     | 13168.73       | 20417.99   |
| PR-057 | Asphalt Cutter   | Rs/Hr | 19.92       | 482.11         | 502.03     | 19.69       | 482.11         | 501.8      |
| PR-058 | Rock Crushing & Screening (200 T/Hr)   | Rs/Hr | 10027.53    | 5506.35        | 15533.88   | 9874.41     | 5452.76        | 15327.17   |
| PR-060 | Asphalt Recycling Machine 0 to 60mm depth - 3 to 4m width  120 tons/hr                       | Rs/Hr | 36546.2     | 19446.2        | 55992.4    | 36458.18    | 19446.2        | 55904.38   |
| PR-061 | Hand Push Thermoplastic Road Marking Machine with double cylinder preheater                  | Rs/Hr | 1050.65     | 1631.09        | 2681.74    | 1020.61     | 1631.09        | 2651.7     |
| PR-062 | Cordless Drill Machine   | Rs/Hr | 1.67        | 470.19         | 471.86     | 1.67        | 470.19         | 471.86     |
| PR-063 | Crawler Rock driller   | Rs/Hr | 2539.99     | 7953.39        | 10493.38   | 2526.52     | 7953.39        | 10479.91   |
| PS-064 | Grouting Machine(electric) out put 3.6 cum/hr  | Rs/Hr | 53.02       | 1073.22        | 1126.24    | 51.86       | 1073.22        | 1125.08    |
| PS-065 | Hydraulic jack with pump upto 2000 Ton   | Rs/Hr | 472.11      | 1160.55        | 1632.66    | 464.45      | 1160.55        | 1625       |
| PR-066 | Guard Rail Pile Driver Machine   | Rs/Hr | 281.82      | 1987.09        | 2268.91    | 260.23      | 1987.09        | 2247.32    |
| PS-071 | Concrete Batching Plant 25m3/hr  | Rs/Hr | 5317.36     | 5588.44        | 10905.8    | 5286.73     | 5577.72        | 10864.45   |
| PS-072 | Concrete Static Mixer 1 Cum  | Rs/Hr | 886.87      | 1085.96        | 1972.83    | 871.56      | 1080.6         | 1952.16    |
| PS-073 | Concrete Static Mixer 1/4 Cum  | Rs/Hr | 89.72       | 969.46         | 1059.18    | 74.41       | 964.1          | 1038.51    |
| PS-074 | Concrete Transit Mixer 6 Cum   | Rs/Hr | 2424.1      | 2989.97        | 5414.07    | 2405.72     | 2989.97        | 5395.69    |
| PS-075 | Concrete Transit Mixer 4 Cum   | Rs/Hr | 1487.09     | 2602.72        | 4089.81    | 1471.78     | 2602.72        | 4074.5     |
| PS-076 | Stressing Equipment for 6500 KN force with electric power                                    | Rs/Hr | 221.62      | 1124.72        | 1346.34    | 218.5       | 1124.72        | 1343.22    |
| PS-077 | Concrete Cutter  | Rs/Hr | 19.92       | 482.11         | 502.03     | 19.69       | 482.11         | 501.8      |
| PS-078 | Piling Rig (dia up to 1m)  | Rs/Hr | 13828.74    | 16178.01       | 30006.75   | 13338.74    | 15933.01       | 29271.75   |
| PS-079 | Piling Rig (Dia 1m to 2m)  | Rs/Hr | 29177.37    | 28827.84       | 58005.21   | 28965.45    | 28721.88       | 57687.33   |

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

| Codes  | Description   | Unit  | Chitral     |                |            | D.I.Khan    |                |            |
|--------|---|-------|-------------|----------------|------------|-------------|----------------|------------|
|        |   |       | Owning Cost | Operating Cost | Total Cost | Owning Cost | Operating Cost | Total Cost |
| PS-080 | Vibrator (Poker 1.5 ")  | Rs/Hr | 4.51        | 560.17         | 564.68     | 4.49        | 560.17         | 564.66     |
| PS-081 | Percussion Boring Rig (Diesel)                                | Rs/Hr | 2711.35     | 10213.5        | 12924.85   | 2588.85     | 10152.25       | 12741.1    |
| PS-082 | Concrete Pump 33 m with tuck chassis                          | Rs/Hr | 3081.73     | 16358.26       | 19439.99   | 2799.98     | 16217.39       | 19017.37   |
| PS-083 | Girder Launcher (Erecting Capacity max 200 ton)               | Rs/Hr | 7212.94     | 5202.16        | 12415.1    | 6814.41     | 5046.74        | 11861.15   |
| PS-084 | Tripod & Chain Pulley (20 Ton)                                | Rs/Hr | 132.52      | 735.06         | 867.58     | 108.02      | 735.06         | 843.08     |
| PS-085 | Shotcrete Machine 5-8 cum/hr                                  | Rs/Hr | 393.05      | 2212.78        | 2605.83    | 389.95      | 2211.57        | 2601.52    |
| PS-086 | Concrete Slip form Paver 2 to 6m for Road Pavement            | Rs/Hr | 13381.79    | 14907.01       | 28288.8    | 13332.79    | 14907.01       | 28239.8    |
| PS-087 | Concrete Slip form Paver for Barrier,curbs,sidewalk up to 3 m | Rs/Hr | 5906.27     | 8552.16        | 14458.43   | 5860.94     | 8552.16        | 14413.1    |
| PR-088 | Asphalt Static Mixer 1 Cum                                    | Rs/Hr | 692.5       | 1017.93        | 1710.43    | 677.19      | 1012.57        | 1689.76    |
| PS-089 | Straight Rotary machine up to 250 mm dia with all tools       | Rs/Hr | 151.06      | 1506.05        | 1657.11    | 138.81      | 1489.02        | 1627.83    |
| PX-090 | Submersible Slug Pump with 65 ft Head                         | Rs/Hr | 15.7        | 83.86          | 99.56      | 15.54       | 83.8           | 99.34      |
| PX-091 | Tractor 80 HP   | Rs/Hr | 172.04      | 2889.6         | 3061.64    | 167.35      | 2889.6         | 3056.95    |
| PX-092 | Tractor 50 HP   | Rs/Hr | 69.81       | 1839.47        | 1909.28    | 67.28       | 1839.47        | 1906.75    |
| PX-093 | Water Tank Bowser Type 12000 Liter                            | Rs/Hr | 701.26      | 5938.5         | 6639.76    | 673.7       | 5938.5         | 6612.2     |
| PX-094 | Water Tank Tow Type 4000 Liter (Including Tractor)            | Rs/Hr | 184.01      | 1967.19        | 2151.2     | 170.75      | 1967.19        | 2137.94    |
| PX-095 | Flat Body Truck pay load upto 8 ton                           | Rs/Hr | 381.36      | 5379.68        | 5761.04    | 374.5       | 5379.68        | 5754.18    |
| PX-096 | Sedan Car 1300 cc   | Rs/Hr | 254.57      | 2107.38        | 2361.95    | 252.61      | 2107.38        | 2359.99    |
| PX-097 | Sedan Car 1000 cc   | Rs/Hr | 203.73      | 1407.39        | 1611.12    | 202.15      | 1407.39        | 1609.54    |
| PX-098 | Pickup 2800 cc 4 x 4  | Rs/Hr | 646.94      | 2622.29        | 3269.23    | 643.83      | 2622.29        | 3266.12    |
| PX-099 | Pickup 2200 cc 4 x 2  | Rs/Hr | 359.72      | 1763.16        | 2122.88    | 356.61      | 1763.16        | 2119.77    |
| PX-100 | Pickup 800 cc 4 x 2   | Rs/Hr | 102.31      | 845.68         | 947.99     | 101.31      | 845.68         | 946.99     |
| PX-101 | Jeep 1300 cc 4 x 4  | Rs/Hr | 417.5       | 1491.62        | 1909.12    | 416.27      | 1491.62        | 1907.89    |
| PX-102 | Trailer Low Bed 30 ton  | Rs/Hr | 960.49      | 6434.51        | 7395       | 944.32      | 6434.51        | 7378.83    |
| PX-103 | Crane up to 55 Ton  | Rs/Hr | 3097.55     | 10409.79       | 13507.34   | 3046.24     | 10409.79       | 13456.03   |
| PX-104 | Crane Upto 25 ton   | Rs/Hr | 1958.32     | 9209.8         | 11168.12   | 1918.03     | 9209.8         | 11127.83   |
| PX-105 | Electric Diaphragm Pump                                       | Rs/Hr | 29.92       | 126.35         | 156.27     | 29.15       | 126.05         | 155.2      |
| PX-106 | Sand Blasting Machine   | Rs/Hr | 310.11      | 832.68         | 1142.79    | 309.13      | 832.68         | 1141.81    |
| PX-107 | Dump Truck 30 ton (18 cum)                                    | Rs/Hr | 2050.52     | 10225.98       | 12276.5    | 2035.82     | 10225.98       | 12261.8    |
| PX-108 | Tractor with Trolley (8 ton)                                  | Rs/Hr | 168.52      | 2602.39        | 2770.91    | 165.01      | 2602.39        | 2767.4     |
| PX-109 | Welding Plant   | Rs/Hr | 3.11        | 85.81          | 88.92      | 2.98        | 85.76          | 88.74      |
| PX-110 | Generator (Diesel) 150 kVa                                    | Rs/Hr | 172.75      | 7438.84        | 7611.59    | 170.28      | 7437.87        | 7608.15    |
| PX-111 | Generator (Diesel) 250 kVa                                    | Rs/Hr | 307.85      | 11098.28       | 11406.13   | 304.36      | 11096.92       | 11401.28   |
| PX-112 | Diesel Tanker 25000 Liter with Pump                           | Rs/Hr | 712.14      | 7451.84        | 8163.98    | 669.26      | 7451.84        | 8121.1     |
| PX-113 | Forging /Shape Machine  | Rs/Hr | 32.7        | 546.01         | 578.71     | 31.94       | 546.01         | 577.95     |
| PX-114 | Generator (Diesel) 50 KVA                                     | Rs/Hr | 90.59       | 2674.08        | 2764.67    | 89.35       | 2673.6         | 2762.95    |
| PX-115 | Diesel Tanker 12000 Liter with Pump                           | Rs/Hr | 372.81      | 3983.83        | 4356.64    | 342.19      | 3983.83        | 4326.02    |
| PX-116 | Diesel Tanker 5000 Liter with Pump                            | Rs/Hr | 280.59      | 3050.83        | 3331.42    | 265.69      | 3050.83        | 3316.52    |
| PX-117 | Diesel Generator 20 KVA                                       | Rs/Hr | 65.57       | 2031.86        | 2097.43    | 64.74       | 2031.53        | 2096.27    |
| PX-118 | Diesel Generator 5 KVA  | Rs/Hr | 13.54       | 992.77         | 1006.31    | 13.43       | 992.73         | 1006.16    |
| PX-119 | Steel Rolling Machine   | Rs/Hr | 88.94       | 367.56         | 456.5      | 84.04       | 365.65         | 449.69     |
| PX-120 | Diesel Generator 13 KVA                                       | Rs/Hr | 63.15       | 1458.23        | 1521.38    | 63.04       | 1458.18        | 1521.22    |



## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

| Codes  | Description  | Unit  | Bannu FR    |                |            | D.I Khan FR |                |            |
|--------|--|-------|-------------|----------------|------------|-------------|----------------|------------|
|        |  |       | 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 | 4535.9      | 10828.96       | 15364.86   | 4528.2      | 10828.96       | 15357.16   |
| PE-002 | Bulldozer-200 HP (Crawler Dozer-Track Type) with Blade Capacity 4.4 cum                      | Rs/Hr | 3029.62     | 8831.46        | 11861.08   | 3023.94     | 8831.46        | 11855.4    |
| PE-003 | Bulldozer-130 HP (Crawler Dozer-Track Type) with Blade Capacity 2.7 cum                      | Rs/Hr | 2758.26     | 6889.41        | 9647.67    | 2754.88     | 6889.41        | 9644.29    |
| PE-004 | Wheel Loader 187HP with Bucket Capacity 3.3 cum  | Rs/Hr | 3611.24     | 7305.74        | 10916.98   | 3606.77     | 7305.74        | 10912.51   |
| PE-005 | Wheel Loader 166 HP with Bucket Capacity 2.8 cum   | Rs/Hr | 2850.86     | 6344.18        | 9195.04    | 2847.14     | 6344.18        | 9191.32    |
| PE-006 | Wheel Loader 135 HP with Bucket Capacity 1.90 cum  | Rs/Hr | 2654.69     | 5304.72        | 7959.41    | 2651.75     | 5304.72        | 7956.47    |
| PE-008 | Dumper loading Capacity 18 T   | Rs/Hr | 1520.18     | 3139.69        | 4659.87    | 1516.51     | 3139.69        | 4656.2     |
| PE-009 | Dumper loading Capacity 10 T   | Rs/Hr | 898.06      | 2939.03        | 3837.09    | 895.92      | 2939.03        | 3834.95    |
| PE-010 | Excavator (Track Type) 100 HP  | Rs/Hr | 2358.27     | 7787.91        | 10146.18   | 2352.39     | 7787.91        | 10140.3    |
| PE-011 | Compressor 300 CFM   | Rs/Hr | 413.82      | 7243.66        | 7657.48    | 413.27      | 7243.66        | 7656.93    |
| PE-012 | Rock Driller -Pneumatic-plug   | Rs/Hr | 21.59       | 511.25         | 532.84     | 21.59       | 511.25         | 532.84     |
| PE-013 | Electric Saw   | Rs/Hr | 1.38        | 474.2          | 475.58     | 1.38        | 474.2          | 475.58     |
| PE-014 | Petrol Motorized Chain Saw   | Rs/Hr | 8.84        | 613.25         | 622.09     | 8.84        | 613.25         | 622.09     |
| PE-015 | Electric Breaker (Demolition Hammer)   | Rs/Hr | 15.7        | 476.52         | 492.22     | 15.69       | 476.52         | 492.21     |
| PE-016 | Plate Compactor  | Rs/Hr | 86.78       | 962.31         | 1049.09    | 86.64       | 962.26         | 1048.9     |
| PE-017 | Pugmill 40 Tons per hour   | Rs/Hr | 1400.3      | 8814.35        | 10214.65   | 1347.04     | 8814.35        | 10161.39   |
| PR-018 | Combination Roller 18 T Single drum Pad/Sheep Foot Compactor                                 | Rs/Hr | 2214.01     | 6458.94        | 8672.95    | 2210.75     | 6458.9         | 8669.65    |
| PR-019 | Combination Roller 12 T (Single drum Pad/Sheep Foot Compactor)                               | Rs/Hr | 1486.31     | 5003.7         | 6490.01    | 1483.14     | 5003.67        | 6486.81    |
| PR-020 | Combination Roller 8T (Single drum Pad/Sheep Foot Compactor)                                 | Rs/Hr | 1405.5      | 4956.27        | 6361.77    | 1402.5      | 4956.24        | 6358.74    |
| PE-021 | Excavator (Track Type) 168 HP with Bucket Capacity 0.8 cum                                   | Rs/Hr | 2590.33     | 8159.3         | 10749.63   | 2584.03     | 8159.3         | 10743.33   |
| PE-022 | Excavator (Track Type) 250 HP with Bucket Capacity 1.4 cum                                   | Rs/Hr | 2910.72     | 10839.53       | 13750.25   | 2902.17     | 10839.53       | 13741.7    |
| PE-023 | Excavator (Track Type) 345 HP with Bucket Capacity 2.2 cum                                   | Rs/Hr | 3485.62     | 13784.13       | 17269.75   | 3474.15     | 13784.13       | 17258.28   |
| PE-024 | Jack Hammer side type for Excavator (Track Type) 168 HP with Bucket Capacity 0.9 cum         | Rs/Hr | 145.2       | 451.81         | 597.01     | 144.4       | 451.1          | 595.5      |
| PE-025 | Jack Hammer side type for Excavator (Track Type) 265/340 HP with Bucket Capacity 1.6/2.3 cum | Rs/Hr | 302.71      | 591.99         | 894.7      | 301.33      | 590.77         | 892.1      |
| PS-026 | Pipe Layer with lifting weight upto 25 Ton   | Rs/Hr | 2267.46     | 8216.74        | 10484.2    | 2259.9      | 8216.74        | 10476.64   |
| PR-031 | Motor Grader 250HP with Blade length 4.32m   | Rs/Hr | 4016.02     | 9636.81        | 13652.83   | 4010.72     | 9636.81        | 13647.53   |
| PR-032 | Motor Grader 218HP with Blade length 4.32m   | Rs/Hr | 3511.36     | 7865.01        | 11376.37   | 3506.97     | 7865.01        | 11371.98   |
| PR-033 | Tandem Roller 12 T   | Rs/Hr | 1781.24     | 4644.22        | 6425.46    | 1778.08     | 4644.19        | 6422.27    |
| PR-034 | Tandem Roller 8 T  | Rs/Hr | 1275.86     | 4380.24        | 5656.1     | 1273.31     | 4380.22        | 5653.53    |
| PR-035 | Tandem Roller 6 T  | Rs/Hr | 1180.04     | 2706.61        | 3886.65    | 1177.5      | 2706.58        | 3884.08    |
| PR-036 | Tandem Roller 1.50 T   | Rs/Hr | 423.98      | 2029.4         | 2453.38    | 423.51      | 2029.39        | 2452.9     |
| PR-037 | Combination Roller 18 T Single drum Plain Compactor  | Rs/Hr | 2015.8      | 5721.6         | 7737.4     | 2012.54     | 5721.6         | 7734.14    |
| PR-038 | Combination Roller 12 T (Single drum Plain Compactor)  | Rs/Hr | 1354.17     | 4987.1         | 6341.27    | 1351        | 4987.07        | 6338.07    |
| PR-039 | Combination Roller 8T (Single drum Plain Compactor)  | Rs/Hr | 1280.55     | 4945.53        | 6226.08    | 1277.55     | 4945.49        | 6223.04    |
| PR-040 | P.T.R. (8 - Wheeler) 24 T  | Rs/Hr | 1449.49     | 4499.43        | 5948.92    | 1442.89     | 4499.4         | 5942.29    |
| PR-041 | P.T.R. (8 - Wheeler) 18 T  | Rs/Hr | 1353.67     | 4428.57        | 5782.24    | 1347.08     | 4428.57        | 5775.65    |
| PR-043 | Tandem Roller 10 T   | Rs/Hr | 1392.23     | 4564.26        | 5956.49    | 1389.62     | 4564.23        | 5953.85    |
| PR-044 | Power Broom  | Rs/Hr | 30.75       | 349.95         | 380.7      | 28.86       | 348.27         | 377.13     |
| PR-045 | Bitumen Dist. Tow Type 2000 Liter  | Rs/Hr | 207.7       | 1255.35        | 1463.05    | 206.99      | 1255.35        | 1462.34    |
| PR-046 | Bitumen Sprayer (Manual) 250 gallon  | Rs/Hr | 26.29       | 514.09         | 540.38     | 25.37       | 513.73         | 539.1      |
| PR-047 | Chip Spreader up to 3M Wide (attachment)   | Rs/Hr | 293.46      | 1207.49        | 1500.95    | 290.29      | 1206.26        | 1496.55    |
| PR-048 | Asphalt Plant 140 T  | Rs/Hr | 22467.11    | 29039.19       | 51506.3    | 22413.86    | 29012.56       | 51426.42   |
| PR-049 | Asphalt Plant 120 T  | Rs/Hr | 21694.46    | 26718.88       | 48413.34   | 21661.3     | 26702.3        | 48363.6    |
| PR-050 | Asphalt Plant 40 T   | Rs/Hr | 4806.5      | 12728.94       | 17535.44   | 4780.91     | 12716.14       | 17497.05   |
| PR-051 | Asphalt Plant 20 T   | Rs/Hr | 3818.08     | 6157.97        | 9976.05    | 3800.38     | 6149.12        | 9949.5     |
| PR-052 | Asphalt Paver basic width 3m,max 5.9m Wide   | Rs/Hr | 7656.1      | 13105.31       | 20761.41   | 7651.26     | 13102.89       | 20754.15   |
| PR-053 | Asphalt Paver ( width 2.4-4.7 m)   | Rs/Hr | 7256.78     | 13172.49       | 20429.27   | 7252.63     | 13170.42       | 20423.05   |
| PR-054 | Cold Milling Machine 2 M Wide  | Rs/Hr | 6003.58     | 13877.25       | 19880.83   | 5991.94     | 13877.25       | 19869.19   |
| PR-055 | Hand Push high Pressure Cold and Rubber Paint Marking Machine                                | Rs/Hr | 533.02      | 913.18         | 1446.2     | 532.22      | 913.18         | 1445.4     |
| PR-056 | Aggregate Spreader Up to 3M Wide   | Rs/Hr | 7256.78     | 13172.49       | 20429.27   | 7252.63     | 13170.42       | 20423.05   |
| PR-057 | Asphalt Cutter   | Rs/Hr | 19.79       | 482.11         | 501.9      | 19.73       | 482.11         | 501.84     |
| PR-058 | Rock Crushing & Screening (200 T/Hr)   | Rs/Hr | 9936.72     | 5474.57        | 15411.29   | 9902.37     | 5462.55        | 15364.92   |
| PR-060 | Asphalt Recycling Machine 0 to 60mm depth - 3 to 4m width  120 tons/hr                       | Rs/Hr | 36494       | 19446.2        | 55940.2    | 36474.25    | 19446.2        | 55920.45   |
| PR-061 | Hand Push Thermoplastic Road Marking Machine with double cylinder preheater                  | Rs/Hr | 1032.84     | 1631.09        | 2663.93    | 1026.1      | 1631.09        | 2657.19    |
| PR-062 | Cordless Drill Machine   | Rs/Hr | 1.67        | 470.19         | 471.86     | 1.67        | 470.19         | 471.86     |
| PR-063 | Crawler Rock driller   | Rs/Hr | 2532        | 7953.39        | 10485.39   | 2528.98     | 7953.39        | 10482.37   |
| PS-064 | Grouting Machine(electric) out put 3.6 cum/hr  | Rs/Hr | 52.33       | 1073.22        | 1125.55    | 52.07       | 1073.22        | 1125.29    |
| PS-065 | Hydraulic jack with pump upto 2000 Ton   | Rs/Hr | 467.57      | 1160.55        | 1628.12    | 465.85      | 1160.55        | 1626.4     |
| PR-066 | Guard Rail Pile Driver Machine   | Rs/Hr | 269.02      | 1987.09        | 2256.11    | 264.17      | 1987.09        | 2251.26    |
| PS-071 | Concrete Batching Plant 25m3/hr  | Rs/Hr | 5299.2      | 5582.09        | 10881.29   | 5292.33     | 5579.68        | 10872.01   |
| PS-072 | Concrete Static Mixer 1 Cum  | Rs/Hr | 877.79      | 1082.78        | 1960.57    | 874.35      | 1081.57        | 1955.92    |
| PS-073 | Concrete Static Mixer 1/4 Cum  | Rs/Hr | 80.64       | 966.29         | 1046.93    | 77.2        | 965.08         | 1042.28    |
| PS-074 | Concrete Transit Mixer 6 Cum   | Rs/Hr | 2413.2      | 2989.97        | 5403.17    | 2409.08     | 2989.97        | 5399.05    |
| PS-075 | Concrete Transit Mixer 4 Cum   | Rs/Hr | 1478.01     | 2602.72        | 4080.73    | 1474.57     | 2602.72        | 4077.29    |
| PS-076 | Stressing Equipment for 6500 KN force with electric power                                    | Rs/Hr | 219.77      | 1124.72        | 1344.49    | 219.07      | 1124.72        | 1343.79    |
| PS-077 | Concrete Cutter  | Rs/Hr | 19.79       | 482.11         | 501.9      | 19.73       | 482.11         | 501.84     |
| PS-078 | Piling Rig (dia up to 1m)  | Rs/Hr | 13538.15    | 16032.72       | 29570.87   | 13428.21    | 15977.75       | 29405.96   |
| PS-079 | Piling Rig (Dia 1m to 2m)  | Rs/Hr | 29051.69    | 28765          | 57816.69   | 29004.14    | 28741.22       | 57745.36   |

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

| Codes  | Description   | Unit  | Bannu FR    |                |            | D.I Khan FR |                |            |
|--------|---|-------|-------------|----------------|------------|-------------|----------------|------------|
|        |   |       | Owning Cost | Operating Cost | Total Cost | Owning Cost | Operating Cost | Total Cost |
| PS-080 | Vibrator (Poker 1.5 ")  | Rs/Hr | 4.5         | 560.17         | 564.67     | 4.5         | 560.17         | 564.67     |
| PS-081 | Percussion Boring Rig (Diesel)                                | Rs/Hr | 2638.71     | 10177.18       | 12815.89   | 2611.22     | 10163.43       | 12774.65   |
| PS-082 | Concrete Pump 33 m with tuck chassis                          | Rs/Hr | 2914.64     | 16274.72       | 19189.36   | 2851.43     | 16243.11       | 19094.54   |
| PS-083 | Girder Launcher (Erecting Capacity max 200 ton)               | Rs/Hr | 6976.59     | 5109.99        | 12086.58   | 6887.18     | 5075.12        | 11962.3    |
| PS-084 | Tripod & Chain Pulley (20 Ton)                                | Rs/Hr | 117.99      | 735.06         | 853.05     | 112.5       | 735.06         | 847.56     |
| PS-085 | Shotcrete Machine 5-8 cum/hr                                  | Rs/Hr | 391.21      | 2212.06        | 2603.27    | 390.52      | 2211.79        | 2602.31    |
| PS-086 | Concrete Slip form Paver 2 to 6m for Road Pavement            | Rs/Hr | 13352.74    | 14907.01       | 28259.75   | 13341.74    | 14907.01       | 28248.75   |
| PS-087 | Concrete Slip form Paver for Barrier,curbs,sidewalk up to 3 m | Rs/Hr | 5879.39     | 8552.16        | 14431.55   | 5869.22     | 8552.16        | 14421.38   |
| PR-088 | Asphalt Static Mixer 1 Cum                                    | Rs/Hr | 683.42      | 1014.75        | 1698.17    | 679.98      | 1013.54        | 1693.52    |
| PS-089 | Straight Rotary machine up to 250 mm dia with all tools       | Rs/Hr | 143.8       | 1495.96        | 1639.76    | 141.05      | 1492.14        | 1633.19    |
| PX-090 | Submersible Slug Pump with 65 ft Head                         | Rs/Hr | 15.61       | 83.82          | 99.43      | 15.57       | 83.81          | 99.38      |
| PX-091 | Tractor 80 HP   | Rs/Hr | 169.26      | 2889.6         | 3058.86    | 168.21      | 2889.6         | 3057.81    |
| PX-092 | Tractor 50 HP   | Rs/Hr | 68.31       | 1839.47        | 1907.78    | 67.75       | 1839.47        | 1907.22    |
| PX-093 | Water Tank Bowser Type 12000 Liter                            | Rs/Hr | 684.91      | 5938.5         | 6623.41    | 678.73      | 5938.5         | 6617.23    |
| PX-094 | Water Tank Tow Type 4000 Liter (Including Tractor)            | Rs/Hr | 176.15      | 1967.19        | 2143.34    | 173.17      | 1967.19        | 2140.36    |
| PX-095 | Flat Body Truck pay load upto 8 ton                           | Rs/Hr | 377.3       | 5379.68        | 5756.98    | 375.76      | 5379.68        | 5755.44    |
| PX-096 | Sedan Car 1300 cc   | Rs/Hr | 253.41      | 2107.38        | 2360.79    | 252.97      | 2107.38        | 2360.35    |
| PX-097 | Sedan Car 1000 cc   | Rs/Hr | 202.79      | 1407.39        | 1610.18    | 202.44      | 1407.39        | 1609.83    |
| PX-098 | Pickup 2800 cc 4 x 4  | Rs/Hr | 645.1       | 2622.29        | 3267.39    | 644.4       | 2622.29        | 3266.69    |
| PX-099 | Pickup 2200 cc 4 x 2  | Rs/Hr | 357.88      | 1763.16        | 2121.04    | 357.18      | 1763.16        | 2120.34    |
| PX-100 | Pickup 800 cc 4 x 2   | Rs/Hr | 101.72      | 845.68         | 947.4      | 101.49      | 845.68         | 947.17     |
| PX-101 | Jeep 1300 cc 4 x 4  | Rs/Hr | 416.77      | 1491.62        | 1908.39    | 416.49      | 1491.62        | 1908.11    |
| PX-102 | Trailer Low Bed 30 ton  | Rs/Hr | 950.9       | 6434.51        | 7385.41    | 947.27      | 6434.51        | 7381.78    |
| PX-103 | Crane up to 55 Ton  | Rs/Hr | 3067.12     | 10409.79       | 13476.91   | 3055.61     | 10409.79       | 13465.4    |
| PX-104 | Crane Upto 25 ton   | Rs/Hr | 1934.43     | 9209.8         | 11144.23   | 1925.39     | 9209.8         | 11135.19   |
| PX-105 | Electric Diaphragm Pump                                       | Rs/Hr | 29.46       | 126.17         | 155.63     | 29.29       | 126.1          | 155.39     |
| PX-106 | Sand Blasting Machine   | Rs/Hr | 309.53      | 832.68         | 1142.21    | 309.31      | 832.68         | 1141.99    |
| PX-107 | Dump Truck 30 ton (18 cum)                                    | Rs/Hr | 2041.81     | 10225.98       | 12267.79   | 2038.51     | 10225.98       | 12264.49   |
| PX-108 | Tractor with Trolley (8 ton)                                  | Rs/Hr | 166.44      | 2602.39        | 2768.83    | 165.65      | 2602.39        | 2768.04    |
| PX-109 | Welding Plant   | Rs/Hr | 3.03        | 85.78          | 88.81      | 3           | 85.77          | 88.77      |
| PX-110 | Generator (Diesel) 150 kVa                                    | Rs/Hr | 171.28      | 7438.26        | 7609.54    | 170.73      | 7438.05        | 7608.78    |
| PX-111 | Generator (Diesel) 250 kVa                                    | Rs/Hr | 305.78      | 11097.47       | 11403.25   | 305         | 11097.17       | 11402.17   |
| PX-112 | Diesel Tanker 25000 Liter with Pump                           | Rs/Hr | 686.71      | 7451.84        | 8138.55    | 677.09      | 7451.84        | 8128.93    |
| PX-113 | Forging /Shape Machine  | Rs/Hr | 32.25       | 546.01         | 578.26     | 32.08       | 546.01         | 578.09     |
| PX-114 | Generator (Diesel) 50 KVA                                     | Rs/Hr | 89.86       | 2673.8         | 2763.66    | 89.58       | 2673.69        | 2763.27    |
| PX-115 | Diesel Tanker 12000 Liter with Pump                           | Rs/Hr | 354.65      | 3983.83        | 4338.48    | 347.78      | 3983.83        | 4331.61    |
| PX-116 | Diesel Tanker 5000 Liter with Pump                            | Rs/Hr | 271.75      | 3050.83        | 3322.58    | 268.41      | 3050.83        | 3319.24    |
| PX-117 | Diesel Generator 20 KVA                                       | Rs/Hr | 65.08       | 2031.67        | 2096.75    | 64.89       | 2031.59        | 2096.48    |
| PX-118 | Diesel Generator 5 KVA  | Rs/Hr | 13.48       | 992.75         | 1006.23    | 13.45       | 992.73         | 1006.18    |
| PX-119 | Steel Rolling Machine   | Rs/Hr | 86.03       | 366.42         | 452.45     | 84.93       | 366            | 450.93     |
| PX-120 | Diesel Generator 13 KVA                                       | Rs/Hr | 63.09       | 1458.2         | 1521.29    | 63.06       | 1458.19        | 1521.25    |

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

| Codes  | Description  | Unit  | Kohat FR    |                |            | Lakki Marwat FR |                |            |
|--------|--|-------|-------------|----------------|------------|-----------------|----------------|------------|
|        |  |       | 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 | 4540.89     | 10828.96       | 15369.85   | 4533.07         | 10828.96       | 15362.03   |
| PE-002 | Bulldozer-200 HP (Crawler Dozer-Track Type) with Blade Capacity 4.4 cum                      | Rs/Hr | 3033.31     | 8831.46        | 11864.77   | 3027.54         | 8831.46        | 11859      |
| PE-003 | Bulldozer-130 HP (Crawler Dozer-Track Type) with Blade Capacity 2.7 cum                      | Rs/Hr | 2760.46     | 6889.41        | 9649.87    | 2757.02         | 6889.41        | 9646.43    |
| PE-004 | Wheel Loader 187HP with Bucket Capacity 3.3 cum  | Rs/Hr | 3614.13     | 7305.74        | 10919.87   | 3609.6          | 7305.74        | 10915.34   |
| PE-005 | Wheel Loader 166 HP with Bucket Capacity 2.8 cum   | Rs/Hr | 2853.27     | 6344.18        | 9197.45    | 2849.49         | 6344.18        | 9193.67    |
| PE-006 | Wheel Loader 135 HP with Bucket Capacity 1.90 cum  | Rs/Hr | 2656.59     | 5304.72        | 7961.31    | 2653.61         | 5304.72        | 7958.33    |
| PE-008 | Dumper loading Capacity 18 T   | Rs/Hr | 1522.55     | 3139.69        | 4662.24    | 1518.83         | 3139.69        | 4658.52    |
| PE-009 | Dumper loading Capacity 10 T   | Rs/Hr | 899.45      | 2939.03        | 3838.48    | 897.28          | 2939.03        | 3836.31    |
| PE-010 | Excavator (Track Type) 100 HP  | Rs/Hr | 2362.08     | 7787.91        | 10149.99   | 2356.11         | 7787.91        | 10144.02   |
| PE-011 | Compressor 300 CFM   | Rs/Hr | 414.18      | 7243.66        | 7657.84    | 413.62          | 7243.66        | 7657.28    |
| PE-012 | Rock Driller -Pneumatic-plug   | Rs/Hr | 21.6        | 511.26         | 532.86     | 21.59           | 511.25         | 532.84     |
| PE-013 | Electric Saw   | Rs/Hr | 1.38        | 474.2          | 475.58     | 1.38            | 474.2          | 475.58     |
| PE-014 | Petrol Motorized Chain Saw   | Rs/Hr | 8.84        | 613.25         | 622.09     | 8.84            | 613.25         | 622.09     |
| PE-015 | Electric Breaker (Demolition Hammer)   | Rs/Hr | 15.7        | 476.52         | 492.22     | 15.69           | 476.52         | 492.21     |
| PE-016 | Plate Compactor  | Rs/Hr | 86.87       | 962.35         | 1049.22    | 86.73           | 962.29         | 1049.02    |
| PE-017 | Pugmill 40 Tons per hour   | Rs/Hr | 1434.82     | 8814.35        | 10249.17   | 1380.74         | 8814.35        | 10195.09   |
| PR-018 | Combination Roller 18 T Single drum Pad/Sheep Foot Compactor                                 | Rs/Hr | 2216.13     | 6458.96        | 8675.09    | 2212.82         | 6458.93        | 8671.75    |
| PR-019 | Combination Roller 12 T (Single drum Pad/Sheep Foot Compactor)                               | Rs/Hr | 1488.36     | 5003.72        | 6492.08    | 1485.14         | 5003.69        | 6488.83    |
| PR-020 | Combination Roller 8T (Single drum Pad/Sheep Foot Compactor)                                 | Rs/Hr | 1407.44     | 4956.29        | 6363.73    | 1404.4          | 4956.26        | 6360.66    |
| PE-021 | Excavator (Track Type) 168 HP with Bucket Capacity 0.8 cum                                   | Rs/Hr | 2594.41     | 8159.3         | 10753.71   | 2588.02         | 8159.3         | 10747.32   |
| PE-022 | Excavator (Track Type) 250 HP with Bucket Capacity 1.4 cum                                   | Rs/Hr | 2916.26     | 10839.53       | 13755.79   | 2907.58         | 10839.53       | 13747.11   |
| PE-023 | Excavator (Track Type) 345 HP with Bucket Capacity 2.2 cum                                   | Rs/Hr | 3493.06     | 13784.13       | 17277.19   | 3481.41         | 13784.13       | 17265.54   |
| PE-024 | Jack Hammer side type for Excavator (Track Type) 168 HP with Bucket Capacity 0.9 cum         | Rs/Hr | 145.72      | 452.27         | 597.99     | 144.91          | 451.55         | 596.46     |
| PE-025 | Jack Hammer side type for Excavator (Track Type) 265/340 HP with Bucket Capacity 1.6/2.3 cum | Rs/Hr | 303.6       | 592.79         | 896.39     | 302.2           | 591.54         | 893.74     |
| PS-026 | Pipe Layer with lifting weight upto 25 Ton   | Rs/Hr | 2272.36     | 8216.74        | 10489.1    | 2264.69         | 8216.74        | 10481.43   |
| PR-031 | Motor Grader 250HP with Blade length 4.32m   | Rs/Hr | 4019.46     | 9636.81        | 13656.27   | 4014.08         | 9636.81        | 13650.89   |
| PR-032 | Motor Grader 218HP with Blade length 4.32m   | Rs/Hr | 3514.2      | 7865.01        | 11379.21   | 3509.75         | 7865.01        | 11374.76   |
| PR-033 | Tandem Roller 12 T   | Rs/Hr | 1783.29     | 4644.24        | 6427.53    | 1780.08         | 4644.21        | 6424.29    |
| PR-034 | Tandem Roller 8 T  | Rs/Hr | 1277.51     | 4380.26        | 5657.77    | 1274.92         | 4380.23        | 5655.15    |
| PR-035 | Tandem Roller 6 T  | Rs/Hr | 1181.7      | 2706.63        | 3888.33    | 1179.11         | 2706.6         | 3885.71    |
| PR-036 | Tandem Roller 1.50 T   | Rs/Hr | 424.28      | 2029.4         | 2453.68    | 423.81          | 2029.39        | 2453.2     |
| PR-037 | Combination Roller 18 T Single drum Plain Compactor  | Rs/Hr | 2017.92     | 5721.6         | 7739.52    | 2014.61         | 5721.6         | 7736.21    |
| PR-038 | Combination Roller 12 T (Single drum Plain Compactor)  | Rs/Hr | 1356.22     | 4987.13        | 6343.35    | 1353            | 4987.09        | 6340.09    |
| PR-039 | Combination Roller 8T (Single drum Plain Compactor)  | Rs/Hr | 1282.49     | 4945.55        | 6228.04    | 1279.44         | 4945.51        | 6224.95    |
| PR-040 | P.T.R. (8 - Wheeler) 24 T  | Rs/Hr | 1453.76     | 4499.45        | 5953.21    | 1447.06         | 4499.42        | 5946.48    |
| PR-041 | P.T.R. (8 - Wheeler) 18 T  | Rs/Hr | 1357.95     | 4428.57        | 5786.52    | 1351.25         | 4428.57        | 5779.82    |
| PR-043 | Tandem Roller 10 T   | Rs/Hr | 1393.91     | 4564.28        | 5958.19    | 1391.27         | 4564.25        | 5955.52    |
| PR-044 | Power Broom  | Rs/Hr | 31.97       | 351.04         | 383.01     | 30.05           | 349.33         | 379.38     |
| PR-045 | Bitumen Dist. Tow Type 2000 Liter  | Rs/Hr | 208.17      | 1255.35        | 1463.52    | 207.44          | 1255.35        | 1462.79    |
| PR-046 | Bitumen Sprayer (Manual) 250 gallon  | Rs/Hr | 26.88       | 514.32         | 541.2      | 25.95           | 513.95         | 539.9      |
| PR-047 | Chip Spreader up to 3M Wide (attachment)   | Rs/Hr | 295.5       | 1208.29        | 1503.79    | 292.29          | 1207.04        | 1499.33    |
| PR-048 | Asphalt Plant 140 T  | Rs/Hr | 22501.64    | 29056.45       | 51558.09   | 22447.56        | 29029.41       | 51476.97   |
| PR-049 | Asphalt Plant 120 T  | Rs/Hr | 21715.95    | 26729.62       | 48445.57   | 21682.28        | 26712.79       | 48395.07   |
| PR-050 | Asphalt Plant 40 T   | Rs/Hr | 4823.1      | 12737.24       | 17560.34   | 4797.1          | 12724.24       | 17521.34   |
| PR-051 | Asphalt Plant 20 T   | Rs/Hr | 3829.55     | 6163.71        | 9993.26    | 3811.58         | 6154.72        | 9966.3     |
| PR-052 | Asphalt Paver basic width 3m,max 5.9m Wide   | Rs/Hr | 7659.24     | 13106.88       | 20766.12   | 7654.32         | 13104.42       | 20758.74   |
| PR-053 | Asphalt Paver ( width 2.4-4.7 m)   | Rs/Hr | 7259.48     | 13173.84       | 20433.32   | 7255.26         | 13171.73       | 20426.99   |
| PR-054 | Cold Milling Machine 2 M Wide  | Rs/Hr | 6011.13     | 13877.25       | 19888.38   | 5999.31         | 13877.25       | 19876.56   |
| PR-055 | Hand Push high Pressure Cold and Rubber Paint Marking Machine                                | Rs/Hr | 533.53      | 913.18         | 1446.71    | 532.72          | 913.18         | 1445.9     |
| PR-056 | Aggregate Spreader Up to 3M Wide   | Rs/Hr | 7259.48     | 13173.84       | 20433.32   | 7255.26         | 13171.73       | 20426.99   |
| PR-057 | Asphalt Cutter   | Rs/Hr | 19.82       | 482.11         | 501.93     | 19.77           | 482.11         | 501.88     |
| PR-058 | Rock Crushing & Screening (200 T/Hr)   | Rs/Hr | 9959        | 5482.37        | 15441.37   | 9924.11         | 5470.16        | 15394.27   |
| PR-060 | Asphalt Recycling Machine 0 to 60mm depth - 3 to 4m width  120 tons/hr                       | Rs/Hr | 36506.8     | 19446.2        | 55953      | 36486.75        | 19446.2        | 55932.95   |
| PR-061 | Hand Push Thermoplastic Road Marking Machine with double cylinder preheater                  | Rs/Hr | 1037.2      | 1631.09        | 2668.29    | 1030.36         | 1631.09        | 2661.45    |
| PR-062 | Cordless Drill Machine   | Rs/Hr | 1.67        | 470.19         | 471.86     | 1.67            | 470.19         | 471.86     |
| PR-063 | Crawler Rock driller   | Rs/Hr | 2533.96     | 7953.39        | 10487.35   | 2530.89         | 7953.39        | 10484.28   |
| PS-064 | Grouting Machine(electric) out put 3.6 cum/hr  | Rs/Hr | 52.5        | 1073.22        | 1125.72    | 52.24           | 1073.22        | 1125.46    |
| PS-065 | Hydraulic jack with pump upto 2000 Ton   | Rs/Hr | 468.68      | 1160.55        | 1629.23    | 466.94          | 1160.55        | 1627.49    |
| PR-066 | Guard Rail Pile Driver Machine   | Rs/Hr | 272.16      | 1987.09        | 2259.25    | 267.24          | 1987.09        | 2254.33    |
| PS-071 | Concrete Batching Plant 25m3/hr  | Rs/Hr | 5303.65     | 5583.64        | 10887.29   | 5296.67         | 5581.2         | 10877.87   |
| PS-072 | Concrete Static Mixer 1 Cum  | Rs/Hr | 880.02      | 1083.56        | 1963.58    | 876.53          | 1082.34        | 1958.87    |
| PS-073 | Concrete Static Mixer 1/4 Cum  | Rs/Hr | 82.86       | 967.06         | 1049.92    | 79.38           | 965.84         | 1045.22    |
| PS-074 | Concrete Transit Mixer 6 Cum   | Rs/Hr | 2415.87     | 2989.97        | 5405.84    | 2411.69         | 2989.97        | 5401.66    |
| PS-075 | Concrete Transit Mixer 4 Cum   | Rs/Hr | 1480.24     | 2602.72        | 4082.96    | 1476.75         | 2602.72        | 4079.47    |
| PS-076 | Stressing Equipment for 6500 KN force with electric power                                    | Rs/Hr | 220.22      | 1124.72        | 1344.94    | 219.51          | 1124.72        | 1344.23    |
| PS-077 | Concrete Cutter  | Rs/Hr | 19.82       | 482.11         | 501.93     | 19.77           | 482.11         | 501.88     |
| PS-078 | Piling Rig (dia up to 1m)  | Rs/Hr | 13609.43    | 16068.36       | 29677.79   | 13497.78        | 16012.53       | 29510.31   |
| PS-079 | Piling Rig (Dia 1m to 2m)  | Rs/Hr | 29082.52    | 28780.41       | 57862.93   | 29034.23        | 28756.27       | 57790.5    |

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

| Codes  | Description   | Unit  | Kohat FR    |                |            | Lakki Marwat FR |                |            |
|--------|---|-------|-------------|----------------|------------|-----------------|----------------|------------|
|        |   |       | Owning Cost | Operating Cost | Total Cost | Owning Cost     | Operating Cost | Total Cost |
| PS-080 | Vibrator (Poker 1.5 ")  | Rs/Hr | 4.5         | 560.17         | 564.67     | 4.5             | 560.17         | 564.67     |
| PS-081 | Percussion Boring Rig (Diesel)                                | Rs/Hr | 2656.53     | 10186.09       | 12842.62   | 2628.61         | 10172.13       | 12800.74   |
| PS-082 | Concrete Pump 33 m with tuck chassis                          | Rs/Hr | 2955.63     | 16295.21       | 19250.84   | 2891.43         | 16263.11       | 19154.54   |
| PS-083 | Girder Launcher (Erecting Capacity max 200 ton)               | Rs/Hr | 7034.57     | 5132.6         | 12167.17   | 6943.76         | 5097.18        | 12040.94   |
| PS-084 | Tripod & Chain Pulley (20 Ton)                                | Rs/Hr | 121.56      | 735.06         | 856.62     | 115.98          | 735.06         | 851.04     |
| PS-085 | Shotcrete Machine 5-8 cum/hr                                  | Rs/Hr | 391.66      | 2212.24        | 2603.9     | 390.96          | 2211.96        | 2602.92    |
| PS-086 | Concrete Slip form Paver 2 to 6m for Road Pavement            | Rs/Hr | 13359.86    | 14907.01       | 28266.87   | 13348.7         | 14907.01       | 28255.71   |
| PS-087 | Concrete Slip form Paver for Barrier,curbs,sidewalk up to 3 m | Rs/Hr | 5885.98     | 8552.16        | 14438.14   | 5875.65         | 8552.16        | 14427.81   |
| PR-088 | Asphalt Static Mixer 1 Cum                                    | Rs/Hr | 685.65      | 1015.53        | 1701.18    | 682.16          | 1014.31        | 1696.47    |
| PS-089 | Straight Rotary machine up to 250 mm dia with all tools       | Rs/Hr | 145.58      | 1498.43        | 1644.01    | 142.79          | 1494.56        | 1637.35    |
| PX-090 | Submersible Slug Pump with 65 ft Head                         | Rs/Hr | 15.63       | 83.83          | 99.46      | 15.59           | 83.81          | 99.4       |
| PX-091 | Tractor 80 HP   | Rs/Hr | 169.94      | 2889.6         | 3059.54    | 168.88          | 2889.6         | 3058.48    |
| PX-092 | Tractor 50 HP   | Rs/Hr | 68.68       | 1839.47        | 1908.15    | 68.1            | 1839.47        | 1907.57    |
| PX-093 | Water Tank Bowser Type 12000 Liter                            | Rs/Hr | 688.92      | 5938.5         | 6627.42    | 682.64          | 5938.5         | 6621.14    |
| PX-094 | Water Tank Tow Type 4000 Liter (Including Tractor)            | Rs/Hr | 178.08      | 1967.19        | 2145.27    | 175.06          | 1967.19        | 2142.25    |
| PX-095 | Flat Body Truck pay load upto 8 ton                           | Rs/Hr | 378.29      | 5379.68        | 5757.97    | 376.73          | 5379.68        | 5756.41    |
| PX-096 | Sedan Car 1300 cc   | Rs/Hr | 253.69      | 2107.38        | 2361.07    | 253.25          | 2107.38        | 2360.63    |
| PX-097 | Sedan Car 1000 cc   | Rs/Hr | 203.02      | 1407.39        | 1610.41    | 202.66          | 1407.39        | 1610.05    |
| PX-098 | Pickup 2800 cc 4 x 4  | Rs/Hr | 645.55      | 2622.29        | 3267.84    | 644.84          | 2622.29        | 3267.13    |
| PX-099 | Pickup 2200 cc 4 x 2  | Rs/Hr | 358.33      | 1763.16        | 2121.49    | 357.62          | 1763.16        | 2120.78    |
| PX-100 | Pickup 800 cc 4 x 2   | Rs/Hr | 101.86      | 845.68         | 947.54     | 101.63          | 845.68         | 947.31     |
| PX-101 | Jeep 1300 cc 4 x 4  | Rs/Hr | 416.95      | 1491.62        | 1908.57    | 416.67          | 1491.62        | 1908.29    |
| PX-102 | Trailer Low Bed 30 ton  | Rs/Hr | 953.25      | 6434.51        | 7387.76    | 949.57          | 6434.51        | 7384.08    |
| PX-103 | Crane up to 55 Ton  | Rs/Hr | 3074.59     | 10409.79       | 13484.38   | 3062.9          | 10409.79       | 13472.69   |
| PX-104 | Crane Upto 25 ton   | Rs/Hr | 1940.29     | 9209.8         | 11150.09   | 1931.11         | 9209.8         | 11140.91   |
| PX-105 | Electric Diaphragm Pump                                       | Rs/Hr | 29.58       | 126.21         | 155.79     | 29.4            | 126.14         | 155.54     |
| PX-106 | Sand Blasting Machine   | Rs/Hr | 309.67      | 832.68         | 1142.35    | 309.45          | 832.68         | 1142.13    |
| PX-107 | Dump Truck 30 ton (18 cum)                                    | Rs/Hr | 2043.94     | 10225.98       | 12269.92   | 2040.59         | 10225.98       | 12266.57   |
| PX-108 | Tractor with Trolley (8 ton)                                  | Rs/Hr | 166.95      | 2602.39        | 2769.34    | 166.15          | 2602.39        | 2768.54    |
| PX-109 | Welding Plant   | Rs/Hr | 3.05        | 85.79          | 88.84      | 3.02            | 85.78          | 88.8       |
| PX-110 | Generator (Diesel) 150 kVa                                    | Rs/Hr | 171.64      | 7438.4         | 7610.04    | 171.08          | 7438.19        | 7609.27    |
| PX-111 | Generator (Diesel) 250 kVa                                    | Rs/Hr | 306.29      | 11097.67       | 11403.96   | 305.49          | 11097.36       | 11402.85   |
| PX-112 | Diesel Tanker 25000 Liter with Pump                           | Rs/Hr | 692.95      | 7451.84        | 8144.79    | 683.18          | 7451.84        | 8135.02    |
| PX-113 | Forging /Shape Machine  | Rs/Hr | 32.36       | 546.01         | 578.37     | 32.18           | 546.01         | 578.19     |
| PX-114 | Generator (Diesel) 50 KVA                                     | Rs/Hr | 90.04       | 2673.87        | 2763.91    | 89.75           | 2673.76        | 2763.51    |
| PX-115 | Diesel Tanker 12000 Liter with Pump                           | Rs/Hr | 359.11      | 3983.83        | 4342.94    | 352.13          | 3983.83        | 4335.96    |
| PX-116 | Diesel Tanker 5000 Liter with Pump                            | Rs/Hr | 273.92      | 3050.83        | 3324.75    | 270.53          | 3050.83        | 3321.36    |
| PX-117 | Diesel Generator 20 KVA                                       | Rs/Hr | 65.2        | 2031.71        | 2096.91    | 65.01           | 2031.64        | 2096.65    |
| PX-118 | Diesel Generator 5 KVA  | Rs/Hr | 13.49       | 992.75         | 1006.24    | 13.47           | 992.74         | 1006.21    |
| PX-119 | Steel Rolling Machine   | Rs/Hr | 86.75       | 366.7          | 453.45     | 85.63           | 366.27         | 451.9      |
| PX-120 | Diesel Generator 13 KVA                                       | Rs/Hr | 63.1        | 1458.21        | 1521.31    | 63.08           | 1458.2         | 1521.28    |

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

| Codes  | Description  | Unit  | Peshawar FR |                |            | Tank FR     |                |            |
|--------|--|-------|-------------|----------------|------------|-------------|----------------|------------|
|        |  |       | 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 | 4544.73     | 10828.96       | 15373.69   | 4530.42     | 10828.96       | 15359.38   |
| PE-002 | Bulldozer-200 HP (Crawler Dozer-Track Type) with Blade Capacity 4.4 cum                      | Rs/Hr | 3036.15     | 8831.46        | 11867.61   | 3025.58     | 8831.46        | 11857.04   |
| PE-003 | Bulldozer-130 HP (Crawler Dozer-Track Type) with Blade Capacity 2.7 cum                      | Rs/Hr | 2762.15     | 6889.41        | 9651.56    | 2755.86     | 6889.41        | 9645.27    |
| PE-004 | Wheel Loader 187HP with Bucket Capacity 3.3 cum  | Rs/Hr | 3616.37     | 7305.74        | 10922.11   | 3608.06     | 7305.74        | 10913.8    |
| PE-005 | Wheel Loader 166 HP with Bucket Capacity 2.8 cum   | Rs/Hr | 2855.12     | 6344.18        | 9199.3     | 2848.22     | 6344.18        | 9192.4     |
| PE-006 | Wheel Loader 135 HP with Bucket Capacity 1.90 cum  | Rs/Hr | 2658.06     | 5304.72        | 7962.78    | 2652.6      | 5304.72        | 7957.32    |
| PE-008 | Dumper loading Capacity 18 T   | Rs/Hr | 1524.39     | 3139.69        | 4664.08    | 1517.57     | 3139.69        | 4657.26    |
| PE-009 | Dumper loading Capacity 10 T   | Rs/Hr | 900.52      | 2939.03        | 3839.55    | 896.54      | 2939.03        | 3835.57    |
| PE-010 | Excavator (Track Type) 100 HP  | Rs/Hr | 2365.02     | 7787.91        | 10152.93   | 2354.09     | 7787.91        | 10142      |
| PE-011 | Compressor 300 CFM   | Rs/Hr | 414.46      | 7243.66        | 7658.12    | 413.43      | 7243.66        | 7657.09    |
| PE-012 | Rock Driller -Pneumatic-plug   | Rs/Hr | 21.6        | 511.26         | 532.86     | 21.59       | 511.25         | 532.84     |
| PE-013 | Electric Saw   | Rs/Hr | 1.38        | 474.2          | 475.58     | 1.38        | 474.2          | 475.58     |
| PE-014 | Petrol Motorized Chain Saw   | Rs/Hr | 8.84        | 613.25         | 622.09     | 8.84        | 613.25         | 622.09     |
| PE-015 | Electric Breaker (Demolition Hammer)   | Rs/Hr | 15.7        | 476.52         | 492.22     | 15.69       | 476.52         | 492.21     |
| PE-016 | Plate Compactor  | Rs/Hr | 86.94       | 962.37         | 1049.31    | 86.68       | 962.27         | 1048.95    |
| PE-017 | Pugmill 40 Tons per hour   | Rs/Hr | 1461.45     | 8814.35        | 10275.8    | 1362.44     | 8814.35        | 10176.79   |
| PR-018 | Combination Roller 18 T Single drum Pad/Sheep Foot Compactor                                 | Rs/Hr | 2217.76     | 6458.98        | 8676.74    | 2211.7      | 6458.91        | 8670.61    |
| PR-019 | Combination Roller 12 T (Single drum Pad/Sheep Foot Compactor)                               | Rs/Hr | 1489.95     | 5003.74        | 6493.69    | 1484.05     | 5003.68        | 6487.73    |
| PR-020 | Combination Roller 8T (Single drum Pad/Sheep Foot Compactor)                                 | Rs/Hr | 1408.94     | 4956.31        | 6365.25    | 1403.37     | 4956.25        | 6359.62    |
| PE-021 | Excavator (Track Type) 168 HP with Bucket Capacity 0.8 cum                                   | Rs/Hr | 2597.56     | 8159.3         | 10756.86   | 2585.85     | 8159.3         | 10745.15   |
| PE-022 | Excavator (Track Type) 250 HP with Bucket Capacity 1.4 cum                                   | Rs/Hr | 2920.54     | 10839.53       | 13760.07   | 2904.64     | 10839.53       | 13744.17   |
| PE-023 | Excavator (Track Type) 345 HP with Bucket Capacity 2.2 cum                                   | Rs/Hr | 3498.79     | 13784.13       | 17282.92   | 3477.46     | 13784.13       | 17261.59   |
| PE-024 | Jack Hammer side type for Excavator (Track Type) 168 HP with Bucket Capacity 0.9 cum         | Rs/Hr | 146.12      | 452.63         | 598.75     | 144.63      | 451.3          | 595.93     |
| PE-025 | Jack Hammer side type for Excavator (Track Type) 265/340 HP with Bucket Capacity 1.6/2.3 cum | Rs/Hr | 304.28      | 593.39         | 897.67     | 301.73      | 591.12         | 892.85     |
| PS-026 | Pipe Layer with lifting weight upto 25 Ton   | Rs/Hr | 2276.14     | 8216.74        | 10492.88   | 2262.09     | 8216.74        | 10478.83   |
| PR-031 | Motor Grader 250HP with Blade length 4.32m   | Rs/Hr | 4022.12     | 9636.81        | 13658.93   | 4012.25     | 9636.81        | 13649.06   |
| PR-032 | Motor Grader 218HP with Blade length 4.32m   | Rs/Hr | 3516.39     | 7865.01        | 11381.4    | 3508.24     | 7865.01        | 11373.25   |
| PR-033 | Tandem Roller 12 T   | Rs/Hr | 1784.87     | 4644.26        | 6429.13    | 1778.99     | 4644.2         | 6423.19    |
| PR-034 | Tandem Roller 8 T  | Rs/Hr | 1278.78     | 4380.28        | 5659.06    | 1274.05     | 4380.22        | 5654.27    |
| PR-035 | Tandem Roller 6 T  | Rs/Hr | 1182.97     | 2706.64        | 3889.61    | 1178.24     | 2706.59        | 3884.83    |
| PR-036 | Tandem Roller 1.50 T   | Rs/Hr | 424.52      | 2029.41        | 2453.93    | 423.65      | 2029.39        | 2453.04    |
| PR-037 | Combination Roller 18 T Single drum Plain Compactor  | Rs/Hr | 2019.55     | 5721.6         | 7741.15    | 2013.49     | 5721.6         | 7735.09    |
| PR-038 | Combination Roller 12 T (Single drum Plain Compactor)  | Rs/Hr | 1357.81     | 4987.14        | 6344.95    | 1351.91     | 4987.08        | 6338.99    |
| PR-039 | Combination Roller 8T (Single drum Plain Compactor)  | Rs/Hr | 1283.99     | 4945.56        | 6229.55    | 1278.41     | 4945.5         | 6223.91    |
| PR-040 | P.T.R. (8 - Wheeler) 24 T  | Rs/Hr | 1457.06     | 4499.47        | 5956.53    | 1444.8      | 4499.41        | 5944.21    |
| PR-041 | P.T.R. (8 - Wheeler) 18 T  | Rs/Hr | 1361.25     | 4428.57        | 5789.82    | 1348.99     | 4428.57        | 5777.56    |
| PR-043 | Tandem Roller 10 T   | Rs/Hr | 1395.21     | 4564.29        | 5959.5     | 1390.37     | 4564.24        | 5954.61    |
| PR-044 | Power Broom  | Rs/Hr | 32.92       | 351.88         | 384.8      | 29.4        | 348.75         | 378.15     |
| PR-045 | Bitumen Dist. Tow Type 2000 Liter  | Rs/Hr | 208.52      | 1255.35        | 1463.87    | 207.2       | 1255.35        | 1462.55    |
| PR-046 | Bitumen Sprayer (Manual) 250 gallon  | Rs/Hr | 27.34       | 514.5          | 541.84     | 25.64       | 513.83         | 539.47     |
| PR-047 | Chip Spreader up to 3M Wide (attachment)   | Rs/Hr | 297.08      | 1208.9         | 1505.98    | 291.21      | 1206.61        | 1497.82    |
| PR-048 | Asphalt Plant 140 T  | Rs/Hr | 22528.26    | 29069.76       | 51598.02   | 22429.25    | 29020.26       | 51449.51   |
| PR-049 | Asphalt Plant 120 T  | Rs/Hr | 21732.53    | 26737.91       | 48470.44   | 21670.89    | 26707.09       | 48377.98   |
| PR-050 | Asphalt Plant 40 T   | Rs/Hr | 4835.89     | 12743.63       | 17579.52   | 4788.3      | 12719.84       | 17508.14   |
| PR-051 | Asphalt Plant 20 T   | Rs/Hr | 3838.4      | 6168.13        | 10006.53   | 3805.5      | 6151.68        | 9957.18    |
| PR-052 | Asphalt Paver basic width 3m,max 5.9m Wide   | Rs/Hr | 7661.66     | 13108.09       | 20769.75   | 7652.66     | 13103.59       | 20756.25   |
| PR-053 | Asphalt Paver ( width 2.4-4.7 m)   | Rs/Hr | 7261.55     | 13174.88       | 20436.43   | 7253.83     | 13171.02       | 20424.85   |
| PR-054 | Cold Milling Machine 2 M Wide  | Rs/Hr | 6016.96     | 13877.25       | 19894.21   | 5995.3      | 13877.25       | 19872.55   |
| PR-055 | Hand Push high Pressure Cold and Rubber Paint Marking Machine                                | Rs/Hr | 533.93      | 913.18         | 1447.11    | 532.45      | 913.18         | 1445.63    |
| PR-056 | Aggregate Spreader Up to 3M Wide   | Rs/Hr | 7261.55     | 13174.88       | 20436.43   | 7253.83     | 13171.02       | 20424.85   |
| PR-057 | Asphalt Cutter   | Rs/Hr | 19.84       | 482.11         | 501.95     | 19.75       | 482.11         | 501.86     |
| PR-058 | Rock Crushing & Screening (200 T/Hr)   | Rs/Hr | 9976.18     | 5488.38        | 15464.56   | 9912.3      | 5466.02        | 15378.32   |
| PR-060 | Asphalt Recycling Machine 0 to 60mm depth - 3 to 4m width  120 tons/hr                       | Rs/Hr | 36516.68    | 19446.2        | 55962.88   | 36479.96    | 19446.2        | 55926.16   |
| PR-061 | Hand Push Thermoplastic Road Marking Machine with double cylinder preheater                  | Rs/Hr | 1040.57     | 1631.09        | 2671.66    | 1028.04     | 1631.09        | 2659.13    |
| PR-062 | Cordless Drill Machine   | Rs/Hr | 1.67        | 470.19         | 471.86     | 1.67        | 470.19         | 471.86     |
| PR-063 | Crawler Rock driller   | Rs/Hr | 2535.47     | 7953.39        | 10488.86   | 2529.85     | 7953.39        | 10483.24   |
| PS-064 | Grouting Machine(electric) out put 3.6 cum/hr  | Rs/Hr | 52.63       | 1073.22        | 1125.85    | 52.15       | 1073.22        | 1125.37    |
| PS-065 | Hydraulic jack with pump upto 2000 Ton   | Rs/Hr | 469.54      | 1160.55        | 1630.09    | 466.35      | 1160.55        | 1626.9     |
| PR-066 | Guard Rail Pile Driver Machine   | Rs/Hr | 274.58      | 1987.09        | 2261.67    | 265.58      | 1987.09        | 2252.67    |
| PS-071 | Concrete Batching Plant 25m3/hr  | Rs/Hr | 5307.09     | 5584.85        | 10891.94   | 5294.31     | 5580.37        | 10874.68   |
| PS-072 | Concrete Static Mixer 1 Cum  | Rs/Hr | 881.73      | 1084.16        | 1965.89    | 875.34      | 1081.92        | 1957.26    |
| PS-073 | Concrete Static Mixer 1/4 Cum  | Rs/Hr | 84.58       | 967.66         | 1052.24    | 78.19       | 965.43         | 1043.62    |
| PS-074 | Concrete Transit Mixer 6 Cum   | Rs/Hr | 2417.94     | 2989.97        | 5407.91    | 2410.27     | 2989.97        | 5400.24    |
| PS-075 | Concrete Transit Mixer 4 Cum   | Rs/Hr | 1481.95     | 2602.72        | 4084.67    | 1475.57     | 2602.72        | 4078.29    |
| PS-076 | Stressing Equipment for 6500 KN force with electric power                                    | Rs/Hr | 220.57      | 1124.72        | 1345.29    | 219.27      | 1124.72        | 1343.99    |
| PS-077 | Concrete Cutter  | Rs/Hr | 19.84       | 482.11         | 501.95     | 19.75       | 482.11         | 501.86     |
| PS-078 | Piling Rig (dia up to 1m)  | Rs/Hr | 13664.4     | 16095.84       | 29760.24   | 13459.99    | 15993.64       | 29453.63   |
| PS-079 | Piling Rig (Dia 1m to 2m)  | Rs/Hr | 29106.29    | 28792.3        | 57898.59   | 29017.89    | 28748.1        | 57765.99   |

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

| Codes  | Description   | Unit  | Peshawar FR |                |            | Tank FR     |                |            |
|--------|---|-------|-------------|----------------|------------|-------------|----------------|------------|
|        |   |       | Owning Cost | Operating Cost | Total Cost | Owning Cost | Operating Cost | Total Cost |
| PS-080 | Vibrator (Poker 1.5 ")  | Rs/Hr | 4.5         | 560.17         | 564.67     | 4.5         | 560.17         | 564.67     |
| PS-081 | Percussion Boring Rig (Diesel)                                | Rs/Hr | 2670.27     | 10192.96       | 12863.23   | 2619.17     | 10167.41       | 12786.58   |
| PS-082 | Concrete Pump 33 m with tuck chassis                          | Rs/Hr | 2987.24     | 16311.02       | 19298.26   | 2869.7      | 16252.25       | 19121.95   |
| PS-083 | Girder Launcher (Erecting Capacity max 200 ton)               | Rs/Hr | 7079.28     | 5150.04        | 12229.32   | 6913.02     | 5085.19        | 11998.21   |
| PS-084 | Tripod & Chain Pulley (20 Ton)                                | Rs/Hr | 124.31      | 735.06         | 859.37     | 114.09      | 735.06         | 849.15     |
| PS-085 | Shotcrete Machine 5-8 cum/hr                                  | Rs/Hr | 392.01      | 2212.37        | 2604.38    | 390.72      | 2211.87        | 2602.59    |
| PS-086 | Concrete Slip form Paver 2 to 6m for Road Pavement            | Rs/Hr | 13365.36    | 14907.01       | 28272.37   | 13344.92    | 14907.01       | 28251.93   |
| PS-087 | Concrete Slip form Paver for Barrier,curbs,sidewalk up to 3 m | Rs/Hr | 5891.06     | 8552.16        | 14443.22   | 5872.16     | 8552.16        | 14424.32   |
| PR-088 | Asphalt Static Mixer 1 Cum                                    | Rs/Hr | 687.36      | 1016.13        | 1703.49    | 680.98      | 1013.89        | 1694.87    |
| PS-089 | Straight Rotary machine up to 250 mm dia with all tools       | Rs/Hr | 146.95      | 1500.34        | 1647.29    | 141.84      | 1493.24        | 1635.08    |
| PX-090 | Submersible Slug Pump with 65 ft Head                         | Rs/Hr | 15.65       | 83.84          | 99.49      | 15.58       | 83.81          | 99.39      |
| PX-091 | Tractor 80 HP   | Rs/Hr | 170.47      | 2889.6         | 3060.07    | 168.51      | 2889.6         | 3058.11    |
| PX-092 | Tractor 50 HP   | Rs/Hr | 68.96       | 1839.47        | 1908.43    | 67.91       | 1839.47        | 1907.38    |
| PX-093 | Water Tank Bowser Type 12000 Liter                            | Rs/Hr | 692.02      | 5938.5         | 6630.52    | 680.52      | 5938.5         | 6619.02    |
| PX-094 | Water Tank Tow Type 4000 Liter (Including Tractor)            | Rs/Hr | 179.57      | 1967.19        | 2146.76    | 174.03      | 1967.19        | 2141.22    |
| PX-095 | Flat Body Truck pay load upto 8 ton                           | Rs/Hr | 379.06      | 5379.68        | 5758.74    | 376.2       | 5379.68        | 5755.88    |
| PX-096 | Sedan Car 1300 cc   | Rs/Hr | 253.91      | 2107.38        | 2361.29    | 253.1       | 2107.38        | 2360.48    |
| PX-097 | Sedan Car 1000 cc   | Rs/Hr | 203.2       | 1407.39        | 1610.59    | 202.54      | 1407.39        | 1609.93    |
| PX-098 | Pickup 2800 cc 4 x 4  | Rs/Hr | 645.9       | 2622.29        | 3268.19    | 644.6       | 2622.29        | 3266.89    |
| PX-099 | Pickup 2200 cc 4 x 2  | Rs/Hr | 358.68      | 1763.16        | 2121.84    | 357.38      | 1763.16        | 2120.54    |
| PX-100 | Pickup 800 cc 4 x 2   | Rs/Hr | 101.97      | 845.68         | 947.65     | 101.56      | 845.68         | 947.24     |
| PX-101 | Jeep 1300 cc 4 x 4  | Rs/Hr | 417.08      | 1491.62        | 1908.7     | 416.57      | 1491.62        | 1908.19    |
| PX-102 | Trailer Low Bed 30 ton  | Rs/Hr | 955.07      | 6434.51        | 7389.58    | 948.32      | 6434.51        | 7382.83    |
| PX-103 | Crane up to 55 Ton  | Rs/Hr | 3080.34     | 10409.79       | 13490.13   | 3058.94     | 10409.79       | 13468.73   |
| PX-104 | Crane Upto 25 ton   | Rs/Hr | 1944.81     | 9209.8         | 11154.61   | 1928        | 9209.8         | 11137.8    |
| PX-105 | Electric Diaphragm Pump                                       | Rs/Hr | 29.66       | 126.25         | 155.91     | 29.34       | 126.12         | 155.46     |
| PX-106 | Sand Blasting Machine   | Rs/Hr | 309.78      | 832.68         | 1142.46    | 309.37      | 832.68         | 1142.05    |
| PX-107 | Dump Truck 30 ton (18 cum)                                    | Rs/Hr | 2045.59     | 10225.98       | 12271.57   | 2039.46     | 10225.98       | 12265.44   |
| PX-108 | Tractor with Trolley (8 ton)                                  | Rs/Hr | 167.34      | 2602.39        | 2769.73    | 165.88      | 2602.39        | 2768.27    |
| PX-109 | Welding Plant   | Rs/Hr | 3.07        | 85.8           | 88.87      | 3.01        | 85.77          | 88.78      |
| PX-110 | Generator (Diesel) 150 kVa                                    | Rs/Hr | 171.92      | 7438.51        | 7610.43    | 170.89      | 7438.11        | 7609       |
| PX-111 | Generator (Diesel) 250 kVa                                    | Rs/Hr | 306.68      | 11097.82       | 11404.5    | 305.22      | 11097.25       | 11402.47   |
| PX-112 | Diesel Tanker 25000 Liter with Pump                           | Rs/Hr | 697.76      | 7451.84        | 8149.6     | 679.87      | 7451.84        | 8131.71    |
| PX-113 | Forging /Shape Machine  | Rs/Hr | 32.44       | 546.01         | 578.45     | 32.12       | 546.01         | 578.13     |
| PX-114 | Generator (Diesel) 50 KVA                                     | Rs/Hr | 90.18       | 2673.93        | 2764.11    | 89.66       | 2673.72        | 2763.38    |
| PX-115 | Diesel Tanker 12000 Liter with Pump                           | Rs/Hr | 362.54      | 3983.83        | 4346.37    | 349.77      | 3983.83        | 4333.6     |
| PX-116 | Diesel Tanker 5000 Liter with Pump                            | Rs/Hr | 275.59      | 3050.83        | 3326.42    | 269.38      | 3050.83        | 3320.21    |
| PX-117 | Diesel Generator 20 KVA                                       | Rs/Hr | 65.29       | 2031.75        | 2097.04    | 64.94       | 2031.61        | 2096.55    |
| PX-118 | Diesel Generator 5 KVA  | Rs/Hr | 13.5        | 992.75         | 1006.25    | 13.46       | 992.74         | 1006.2     |
| PX-119 | Steel Rolling Machine   | Rs/Hr | 87.29       | 366.92         | 454.21     | 85.25       | 366.12         | 451.37     |
| PX-120 | Diesel Generator 13 KVA                                       | Rs/Hr | 63.11       | 1458.21        | 1521.32    | 63.07       | 1458.2         | 1521.27    |

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

| Codes  | Description  | Unit  | Hangu       |                |            | Haripur     |                |            |
|--------|--|-------|-------------|----------------|------------|-------------|----------------|------------|
|        |  |       | 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 | 4535.05     | 10828.96       | 15364.01   | 4545.21     | 10828.96       | 15374.17   |
| PE-002 | Bulldozer-200 HP (Crawler Dozer-Track Type) with Blade Capacity 4.4 cum                      | Rs/Hr | 3029        | 8831.46        | 11860.46   | 3036.5      | 8831.46        | 11867.96   |
| PE-003 | Bulldozer-130 HP (Crawler Dozer-Track Type) with Blade Capacity 2.7 cum                      | Rs/Hr | 2757.89     | 6889.41        | 9647.3     | 2762.35     | 6889.41        | 9651.76    |
| PE-004 | Wheel Loader 187HP with Bucket Capacity 3.3 cum  | Rs/Hr | 3610.75     | 7305.74        | 10916.49   | 3616.64     | 7305.74        | 10922.38   |
| PE-005 | Wheel Loader 166 HP with Bucket Capacity 2.8 cum   | Rs/Hr | 2850.45     | 6344.18        | 9194.63    | 2855.35     | 6344.18        | 9199.53    |
| PE-006 | Wheel Loader 135 HP with Bucket Capacity 1.90 cum  | Rs/Hr | 2654.37     | 5304.72        | 7959.09    | 2658.25     | 5304.72        | 7962.97    |
| PE-008 | Dumper loading Capacity 18 T   | Rs/Hr | 1519.78     | 3139.69        | 4659.47    | 1524.61     | 3139.69        | 4664.3     |
| PE-009 | Dumper loading Capacity 10 T   | Rs/Hr | 897.83      | 2939.03        | 3836.86    | 900.66      | 2939.03        | 3839.69    |
| PE-010 | Excavator (Track Type) 100 HP  | Rs/Hr | 2357.63     | 7787.91        | 10145.54   | 2365.38     | 7787.91        | 10153.29   |
| PE-011 | Compressor 300 CFM   | Rs/Hr | 413.76      | 7243.66        | 7657.42    | 414.49      | 7243.66        | 7658.15    |
| PE-012 | Rock Driller -Pneumatic-plug   | Rs/Hr | 21.59       | 511.25         | 532.84     | 21.6        | 511.26         | 532.86     |
| PE-013 | Electric Saw   | Rs/Hr | 1.38        | 474.2          | 475.58     | 1.38        | 474.2          | 475.58     |
| PE-014 | Petrol Motorized Chain Saw   | Rs/Hr | 8.84        | 613.25         | 622.09     | 8.84        | 613.25         | 622.09     |
| PE-015 | Electric Breaker (Demolition Hammer)   | Rs/Hr | 15.69       | 476.52         | 492.21     | 15.71       | 476.52         | 492.23     |
| PE-016 | Plate Compactor  | Rs/Hr | 86.77       | 962.31         | 1049.08    | 86.95       | 962.38         | 1049.33    |
| PE-017 | Pugmill 40 Tons per hour   | Rs/Hr | 1394.47     | 8814.35        | 10208.82   | 1464.72     | 8814.35        | 10279.07   |
| PR-018 | Combination Roller 18 T Single drum Pad/Sheep Foot Compactor                                 | Rs/Hr | 2213.66     | 6458.93        | 8672.59    | 2217.96     | 6458.98        | 8676.94    |
| PR-019 | Combination Roller 12 T (Single drum Pad/Sheep Foot Compactor)                               | Rs/Hr | 1485.96     | 5003.7         | 6489.66    | 1490.14     | 5003.74        | 6493.88    |
| PR-020 | Combination Roller 8T (Single drum Pad/Sheep Foot Compactor)                                 | Rs/Hr | 1405.17     | 4956.27        | 6361.44    | 1409.13     | 4956.31        | 6365.44    |
| PE-021 | Excavator (Track Type) 168 HP with Bucket Capacity 0.8 cum                                   | Rs/Hr | 2589.64     | 8159.3         | 10748.94   | 2597.94     | 8159.3         | 10757.24   |
| PE-022 | Excavator (Track Type) 250 HP with Bucket Capacity 1.4 cum                                   | Rs/Hr | 2909.78     | 10839.53       | 13749.31   | 2921.06     | 10839.53       | 13760.59   |
| PE-023 | Excavator (Track Type) 345 HP with Bucket Capacity 2.2 cum                                   | Rs/Hr | 3484.36     | 13784.13       | 17268.49   | 3499.5      | 13784.13       | 17283.63   |
| PE-024 | Jack Hammer side type for Excavator (Track Type) 168 HP with Bucket Capacity 0.9 cum         | Rs/Hr | 145.11      | 451.73         | 596.84     | 146.17      | 452.67         | 598.84     |
| PE-025 | Jack Hammer side type for Excavator (Track Type) 265/340 HP with Bucket Capacity 1.6/2.3 cum | Rs/Hr | 302.56      | 591.86         | 894.42     | 304.37      | 593.47         | 897.84     |
| PS-026 | Pipe Layer with lifting weight upto 25 Ton   | Rs/Hr | 2266.64     | 8216.74        | 10483.38   | 2276.61     | 8216.74        | 10493.35   |
| PR-031 | Motor Grader 250HP with Blade length 4.32m   | Rs/Hr | 4015.44     | 9636.81        | 13652.25   | 4022.44     | 9636.81        | 13659.25   |
| PR-032 | Motor Grader 218HP with Blade length 4.32m   | Rs/Hr | 3510.88     | 7865.01        | 11375.89   | 3516.66     | 7865.01        | 11381.67   |
| PR-033 | Tandem Roller 12 T   | Rs/Hr | 1780.89     | 4644.22        | 6425.11    | 1785.06     | 4644.26        | 6429.32    |
| PR-034 | Tandem Roller 8 T  | Rs/Hr | 1275.58     | 4380.24        | 5655.82    | 1278.94     | 4380.28        | 5659.22    |
| PR-035 | Tandem Roller 6 T  | Rs/Hr | 1179.77     | 2706.6         | 3886.37    | 1183.12     | 2706.64        | 3889.76    |
| PR-036 | Tandem Roller 1.50 T   | Rs/Hr | 423.93      | 2029.4         | 2453.33    | 424.54      | 2029.41        | 2453.95    |
| PR-037 | Combination Roller 18 T Single drum Plain Compactor  | Rs/Hr | 2015.45     | 5721.6         | 7737.05    | 2019.75     | 5721.6         | 7741.35    |
| PR-038 | Combination Roller 12 T (Single drum Plain Compactor)  | Rs/Hr | 1353.82     | 4987.1         | 6340.92    | 1358        | 4987.15        | 6345.15    |
| PR-039 | Combination Roller 8T (Single drum Plain Compactor)  | Rs/Hr | 1280.22     | 4945.52        | 6225.74    | 1284.17     | 4945.56        | 6229.73    |
| PR-040 | P.T.R. (8 - Wheeler) 24 T  | Rs/Hr | 1448.76     | 4499.43        | 5948.19    | 1457.47     | 4499.47        | 5956.94    |
| PR-041 | P.T.R. (8 - Wheeler) 18 T  | Rs/Hr | 1352.95     | 4428.57        | 5781.52    | 1361.66     | 4428.57        | 5790.23    |
| PR-043 | Tandem Roller 10 T   | Rs/Hr | 1391.94     | 4564.26        | 5956.2     | 1395.37     | 4564.29        | 5959.66    |
| PR-044 | Power Broom  | Rs/Hr | 30.54       | 349.76         | 380.3      | 33.03       | 351.98         | 385.01     |
| PR-045 | Bitumen Dist. Tow Type 2000 Liter  | Rs/Hr | 207.63      | 1255.35        | 1462.98    | 208.57      | 1255.35        | 1463.92    |
| PR-046 | Bitumen Sprayer (Manual) 250 gallon  | Rs/Hr | 26.19       | 514.05         | 540.24     | 27.4        | 514.52         | 541.92     |
| PR-047 | Chip Spreader up to 3M Wide (attachment)   | Rs/Hr | 293.11      | 1207.35        | 1500.46    | 297.28      | 1208.98        | 1506.26    |
| PR-048 | Asphalt Plant 140 T  | Rs/Hr | 22461.28    | 29036.27       | 51497.55   | 22531.53    | 29071.4        | 51602.93   |
| PR-049 | Asphalt Plant 120 T  | Rs/Hr | 21690.83    | 26717.06       | 48407.89   | 21734.57    | 26738.93       | 48473.5    |
| PR-050 | Asphalt Plant 40 T   | Rs/Hr | 4803.7      | 12727.54       | 17531.24   | 4837.47     | 12744.42       | 17581.89   |
| PR-051 | Asphalt Plant 20 T   | Rs/Hr | 3816.14     | 6157           | 9973.14    | 3839.48     | 6168.67        | 10008.15   |
| PR-052 | Asphalt Paver basic width 3m,max 5.9m Wide   | Rs/Hr | 7655.57     | 13105.05       | 20760.62   | 7661.95     | 13108.24       | 20770.19   |
| PR-053 | Asphalt Paver ( width 2.4-4.7 m)   | Rs/Hr | 7256.33     | 13172.27       | 20428.6    | 7261.81     | 13175.01       | 20436.82   |
| PR-054 | Cold Milling Machine 2 M Wide  | Rs/Hr | 6002.31     | 13877.25       | 19879.56   | 6017.67     | 13877.25       | 19894.92   |
| PR-055 | Hand Push high Pressure Cold and Rubber Paint Marking Machine                                | Rs/Hr | 532.93      | 913.18         | 1446.11    | 533.98      | 913.18         | 1447.16    |
| PR-056 | Aggregate Spreader Up to 3M Wide   | Rs/Hr | 7256.33     | 13172.27       | 20428.6    | 7261.81     | 13175.01       | 20436.82   |
| PR-057 | Asphalt Cutter   | Rs/Hr | 19.78       | 482.11         | 501.89     | 19.85       | 482.11         | 501.96     |
| PR-058 | Rock Crushing & Screening (200 T/Hr)   | Rs/Hr | 9932.96     | 5473.25        | 15406.21   | 9978.29     | 5489.12        | 15467.41   |
| PR-060 | Asphalt Recycling Machine 0 to 60mm depth - 3 to 4m width  120 tons/hr                       | Rs/Hr | 36491.84    | 19446.2        | 55938.04   | 36517.89    | 19446.2        | 55964.09   |
| PR-061 | Hand Push Thermoplastic Road Marking Machine with double cylinder preheater                  | Rs/Hr | 1032.1      | 1631.09        | 2663.19    | 1040.99     | 1631.09        | 2672.08    |
| PR-062 | Cordless Drill Machine   | Rs/Hr | 1.67        | 470.19         | 471.86     | 1.67        | 470.19         | 471.86     |
| PR-063 | Crawler Rock driller   | Rs/Hr | 2531.67     | 7953.39        | 10485.06   | 2535.66     | 7953.39        | 10489.05   |
| PS-064 | Grouting Machine(electric) out put 3.6 cum/hr  | Rs/Hr | 52.3        | 1073.22        | 1125.52    | 52.64       | 1073.22        | 1125.86    |
| PS-065 | Hydraulic jack with pump upto 2000 Ton   | Rs/Hr | 467.38      | 1160.55        | 1627.93    | 469.65      | 1160.55        | 1630.2     |
| PR-066 | Guard Rail Pile Driver Machine   | Rs/Hr | 268.49      | 1987.09        | 2255.58    | 274.88      | 1987.09        | 2261.97    |
| PS-071 | Concrete Batching Plant 25m3/hr  | Rs/Hr | 5298.44     | 5581.82        | 10880.26   | 5307.51     | 5584.99        | 10892.5    |
| PS-072 | Concrete Static Mixer 1 Cum  | Rs/Hr | 877.41      | 1082.64        | 1960.05    | 881.94      | 1084.23        | 1966.17    |
| PS-073 | Concrete Static Mixer 1/4 Cum  | Rs/Hr | 80.26       | 966.15         | 1046.41    | 84.79       | 967.74         | 1052.53    |
| PS-074 | Concrete Transit Mixer 6 Cum   | Rs/Hr | 2412.75     | 2989.97        | 5402.72    | 2418.19     | 2989.97        | 5408.16    |
| PS-075 | Concrete Transit Mixer 4 Cum   | Rs/Hr | 1477.63     | 2602.72        | 4080.35    | 1482.16     | 2602.72        | 4084.88    |
| PS-076 | Stressing Equipment for 6500 KN force with electric power                                    | Rs/Hr | 219.69      | 1124.72        | 1344.41    | 220.61      | 1124.72        | 1345.33    |
| PS-077 | Concrete Cutter  | Rs/Hr | 19.78       | 482.11         | 501.89     | 19.85       | 482.11         | 501.96     |
| PS-078 | Piling Rig (dia up to 1m)  | Rs/Hr | 13526.12    | 16026.7        | 29552.82   | 13671.16    | 16099.22       | 29770.38   |
| PS-079 | Piling Rig (Dia 1m to 2m)  | Rs/Hr | 29046.49    | 28762.4        | 57808.89   | 29109.22    | 28793.76       | 57902.98   |

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

| Codes  | Description   | Unit  | Hangu       |                |            | Haripur     |                |            |
|--------|---|-------|-------------|----------------|------------|-------------|----------------|------------|
|        |   |       | Owning Cost | Operating Cost | Total Cost | Owning Cost | Operating Cost | Total Cost |
| PS-080 | Vibrator (Poker 1.5 ")  | Rs/Hr | 4.5         | 560.17         | 564.67     | 4.5         | 560.17         | 564.67     |
| PS-081 | Percussion Boring Rig (Diesel)                                | Rs/Hr | 2635.7      | 10175.67       | 12811.37   | 2671.96     | 10193.8        | 12865.76   |
| PS-082 | Concrete Pump 33 m with tuck chassis                          | Rs/Hr | 2907.72     | 16271.26       | 19178.98   | 2991.12     | 16312.96       | 19304.08   |
| PS-083 | Girder Launcher (Erecting Capacity max 200 ton)               | Rs/Hr | 6966.8      | 5106.17        | 12072.97   | 7084.77     | 5152.18        | 12236.95   |
| PS-084 | Tripod & Chain Pulley (20 Ton)                                | Rs/Hr | 117.39      | 735.06         | 852.45     | 124.65      | 735.06         | 859.71     |
| PS-085 | Shotcrete Machine 5-8 cum/hr                                  | Rs/Hr | 391.14      | 2212.03        | 2603.17    | 392.05      | 2212.39        | 2604.44    |
| PS-086 | Concrete Slip form Paver 2 to 6m for Road Pavement            | Rs/Hr | 13351.53    | 14907.01       | 28258.54   | 13366.04    | 14907.01       | 28273.05   |
| PS-087 | Concrete Slip form Paver for Barrier,curbs,sidewalk up to 3 m | Rs/Hr | 5878.27     | 8552.16        | 14430.43   | 5891.69     | 8552.16        | 14443.85   |
| PR-088 | Asphalt Static Mixer 1 Cum                                    | Rs/Hr | 683.04      | 1014.62        | 1697.66    | 687.58      | 1016.2         | 1703.78    |
| PS-089 | Straight Rotary machine up to 250 mm dia with all tools       | Rs/Hr | 143.5       | 1495.54        | 1639.04    | 147.12      | 1500.57        | 1647.69    |
| PX-090 | Submersible Slug Pump with 65 ft Head                         | Rs/Hr | 15.6        | 83.82          | 99.42      | 15.65       | 83.84          | 99.49      |
| PX-091 | Tractor 80 HP   | Rs/Hr | 169.15      | 2889.6         | 3058.75    | 170.53      | 2889.6         | 3060.13    |
| PX-092 | Tractor 50 HP   | Rs/Hr | 68.25       | 1839.47        | 1907.72    | 69          | 1839.47        | 1908.47    |
| PX-093 | Water Tank Bowser Type 12000 Liter                            | Rs/Hr | 684.24      | 5938.5         | 6622.74    | 692.4       | 5938.5         | 6630.9     |
| PX-094 | Water Tank Tow Type 4000 Liter (Including Tractor)            | Rs/Hr | 175.82      | 1967.19        | 2143.01    | 179.75      | 1967.19        | 2146.94    |
| PX-095 | Flat Body Truck pay load upto 8 ton                           | Rs/Hr | 377.13      | 5379.68        | 5756.81    | 379.16      | 5379.68        | 5758.84    |
| PX-096 | Sedan Car 1300 cc   | Rs/Hr | 253.36      | 2107.38        | 2360.74    | 253.94      | 2107.38        | 2361.32    |
| PX-097 | Sedan Car 1000 cc   | Rs/Hr | 202.75      | 1407.39        | 1610.14    | 203.22      | 1407.39        | 1610.61    |
| PX-098 | Pickup 2800 cc 4 x 4  | Rs/Hr | 645.02      | 2622.29        | 3267.31    | 645.94      | 2622.29        | 3268.23    |
| PX-099 | Pickup 2200 cc 4 x 2  | Rs/Hr | 357.8       | 1763.16        | 2120.96    | 358.72      | 1763.16        | 2121.88    |
| PX-100 | Pickup 800 cc 4 x 2   | Rs/Hr | 101.69      | 845.68         | 947.37     | 101.99      | 845.68         | 947.67     |
| PX-101 | Jeep 1300 cc 4 x 4  | Rs/Hr | 416.74      | 1491.62        | 1908.36    | 417.1       | 1491.62        | 1908.72    |
| PX-102 | Trailer Low Bed 30 ton  | Rs/Hr | 950.5       | 6434.51        | 7385.01    | 955.29      | 6434.51        | 7389.8     |
| PX-103 | Crane up to 55 Ton  | Rs/Hr | 3065.86     | 10409.79       | 13475.65   | 3081.05     | 10409.79       | 13490.84   |
| PX-104 | Crane Upto 25 ton   | Rs/Hr | 1933.44     | 9209.8         | 11143.24   | 1945.36     | 9209.8         | 11155.16   |
| PX-105 | Electric Diaphragm Pump                                       | Rs/Hr | 29.45       | 126.16         | 155.61     | 29.67       | 126.25         | 155.92     |
| PX-106 | Sand Blasting Machine   | Rs/Hr | 309.5       | 832.68         | 1142.18    | 309.79      | 832.68         | 1142.47    |
| PX-107 | Dump Truck 30 ton (18 cum)                                    | Rs/Hr | 2041.44     | 10225.98       | 12267.42   | 2045.8      | 10225.98       | 12271.78   |
| PX-108 | Tractor with Trolley (8 ton)                                  | Rs/Hr | 166.35      | 2602.39        | 2768.74    | 167.39      | 2602.39        | 2769.78    |
| PX-109 | Welding Plant   | Rs/Hr | 3.03        | 85.78          | 88.81      | 3.07        | 85.8           | 88.87      |
| PX-110 | Generator (Diesel) 150 kVa                                    | Rs/Hr | 171.22      | 7438.24        | 7609.46    | 171.95      | 7438.52        | 7610.47    |
| PX-111 | Generator (Diesel) 250 kVa                                    | Rs/Hr | 305.7       | 11097.44       | 11403.14   | 306.73      | 11097.84       | 11404.57   |
| PX-112 | Diesel Tanker 25000 Liter with Pump                           | Rs/Hr | 685.66      | 7451.84        | 8137.5     | 698.35      | 7451.84        | 8150.19    |
| PX-113 | Forging /Shape Machine  | Rs/Hr | 32.23       | 546.01         | 578.24     | 32.45       | 546.01         | 578.46     |
| PX-114 | Generator (Diesel) 50 KVA                                     | Rs/Hr | 89.83       | 2673.79        | 2763.62    | 90.19       | 2673.93        | 2764.12    |
| PX-115 | Diesel Tanker 12000 Liter with Pump                           | Rs/Hr | 353.9       | 3983.83        | 4337.73    | 362.96      | 3983.83        | 4346.79    |
| PX-116 | Diesel Tanker 5000 Liter with Pump                            | Rs/Hr | 271.39      | 3050.83        | 3322.22    | 275.8       | 3050.83        | 3326.63    |
| PX-117 | Diesel Generator 20 KVA                                       | Rs/Hr | 65.06       | 2031.66        | 2096.72    | 65.3        | 2031.75        | 2097.05    |
| PX-118 | Diesel Generator 5 KVA  | Rs/Hr | 13.47       | 992.74         | 1006.21    | 13.51       | 992.76         | 1006.27    |
| PX-119 | Steel Rolling Machine   | Rs/Hr | 85.91       | 366.38         | 452.29     | 87.36       | 366.94         | 454.3      |
| PX-120 | Diesel Generator 13 KVA                                       | Rs/Hr | 63.08       | 1458.2         | 1521.28    | 63.12       | 1458.21        | 1521.33    |



## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

| Codes  | Description  | Unit  | Karak       |                |            | Khyber Agency |                |            |
|--------|--|-------|-------------|----------------|------------|---------------|----------------|------------|
|        |  |       | 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 | 4529.51     | 10828.96       | 15358.47   | 4546.84       | 10828.96       | 15375.8    |
| PE-002 | Bulldozer-200 HP (Crawler Dozer-Track Type) with Blade Capacity 4.4 cum                      | Rs/Hr | 3024.91     | 8831.46        | 11856.37   | 3037.7        | 8831.46        | 11869.16   |
| PE-003 | Bulldozer-130 HP (Crawler Dozer-Track Type) with Blade Capacity 2.7 cum                      | Rs/Hr | 2755.46     | 6889.41        | 9644.87    | 2763.07       | 6889.41        | 9652.48    |
| PE-004 | Wheel Loader 187HP with Bucket Capacity 3.3 cum  | Rs/Hr | 3607.53     | 7305.74        | 10913.27   | 3617.59       | 7305.74        | 10923.33   |
| PE-005 | Wheel Loader 166 HP with Bucket Capacity 2.8 cum   | Rs/Hr | 2847.77     | 6344.18        | 9191.95    | 2856.14       | 6344.18        | 9200.32    |
| PE-006 | Wheel Loader 135 HP with Bucket Capacity 1.90 cum  | Rs/Hr | 2652.25     | 5304.72        | 7956.97    | 2658.87       | 5304.72        | 7963.59    |
| PE-008 | Dumper loading Capacity 18 T   | Rs/Hr | 1517.14     | 3139.69        | 4656.83    | 1525.39       | 3139.69        | 4665.08    |
| PE-009 | Dumper loading Capacity 10 T   | Rs/Hr | 896.28      | 2939.03        | 3835.31    | 901.11        | 2939.03        | 3840.14    |
| PE-010 | Excavator (Track Type) 100 HP  | Rs/Hr | 2353.39     | 7787.91        | 10141.3    | 2366.63       | 7787.91        | 10154.54   |
| PE-011 | Compressor 300 CFM   | Rs/Hr | 413.36      | 7243.66        | 7657.02    | 414.61        | 7243.66        | 7658.27    |
| PE-012 | Rock Driller -Pneumatic-plug   | Rs/Hr | 21.59       | 511.25         | 532.84     | 21.6          | 511.26         | 532.86     |
| PE-013 | Electric Saw   | Rs/Hr | 1.38        | 474.2          | 475.58     | 1.38          | 474.2          | 475.58     |
| PE-014 | Petrol Motorized Chain Saw   | Rs/Hr | 8.84        | 362            | 370.84     | 8.84          | 339.71         | 348.55     |
| PE-015 | Electric Breaker (Demolition Hammer)   | Rs/Hr | 15.69       | 476.52         | 492.21     | 15.71         | 476.52         | 492.23     |
| PE-016 | Plate Compactor  | Rs/Hr | 86.67       | 962.27         | 1048.94    | 86.98         | 962.39         | 1049.37    |
| PE-017 | Pugmill 40 Tons per hour   | Rs/Hr | 1356.11     | 8814.35        | 10170.46   | 1476.01       | 8814.35        | 10290.36   |
| PR-018 | Combination Roller 18 T Single drum Pad/Sheep Foot Compactor                                 | Rs/Hr | 2211.31     | 6458.91        | 8670.22    | 2218.65       | 6458.99        | 8677.64    |
| PR-019 | Combination Roller 12 T (Single drum Pad/Sheep Foot Compactor)                               | Rs/Hr | 1483.68     | 5003.67        | 6487.35    | 1490.81       | 5003.75        | 6494.56    |
| PR-020 | Combination Roller 8T (Single drum Pad/Sheep Foot Compactor)                                 | Rs/Hr | 1403.01     | 4956.24        | 6359.25    | 1409.76       | 4956.32        | 6366.08    |
| PE-021 | Excavator (Track Type) 168 HP with Bucket Capacity 0.8 cum                                   | Rs/Hr | 2585.11     | 8159.3         | 10744.41   | 2599.28       | 8159.3         | 10758.58   |
| PE-022 | Excavator (Track Type) 250 HP with Bucket Capacity 1.4 cum                                   | Rs/Hr | 2903.63     | 10839.53       | 13743.16   | 2922.87       | 10839.53       | 13762.4    |
| PE-023 | Excavator (Track Type) 345 HP with Bucket Capacity 2.2 cum                                   | Rs/Hr | 3476.1      | 13784.13       | 17260.23   | 3501.93       | 13784.13       | 17286.06   |
| PE-024 | Jack Hammer side type for Excavator (Track Type) 168 HP with Bucket Capacity 0.9 cum         | Rs/Hr | 144.54      | 451.22         | 595.76     | 146.34        | 452.82         | 599.16     |
| PE-025 | Jack Hammer side type for Excavator (Track Type) 265/340 HP with Bucket Capacity 1.6/2.3 cum | Rs/Hr | 301.57      | 590.98         | 892.55     | 304.66        | 593.73         | 898.39     |
| PS-026 | Pipe Layer with lifting weight upto 25 Ton   | Rs/Hr | 2261.19     | 8216.74        | 10477.93   | 2278.21       | 8216.74        | 10494.95   |
| PR-031 | Motor Grader 250HP with Blade length 4.32m   | Rs/Hr | 4011.62     | 9636.81        | 13648.43   | 4023.57       | 9636.81        | 13660.38   |
| PR-032 | Motor Grader 218HP with Blade length 4.32m   | Rs/Hr | 3507.72     | 7865.01        | 11372.73   | 3517.59       | 7865.01        | 11382.6    |
| PR-033 | Tandem Roller 12 T   | Rs/Hr | 1778.62     | 4644.19        | 6422.81    | 1785.73       | 4644.27        | 6430       |
| PR-034 | Tandem Roller 8 T  | Rs/Hr | 1273.74     | 4380.22        | 5653.96    | 1279.48       | 4380.28        | 5659.76    |
| PR-035 | Tandem Roller 6 T  | Rs/Hr | 1177.93     | 2706.58        | 3884.51    | 1183.66       | 2706.65        | 3890.31    |
| PR-036 | Tandem Roller 1.50 T   | Rs/Hr | 423.59      | 2029.39        | 2452.98    | 424.64        | 2029.41        | 2454.05    |
| PR-037 | Combination Roller 18 T Single drum Plain Compactor  | Rs/Hr | 2013.1      | 5721.6         | 7734.7     | 2020.44       | 5721.6         | 7742.04    |
| PR-038 | Combination Roller 12 T (Single drum Plain Compactor)  | Rs/Hr | 1351.54     | 4987.07        | 6338.61    | 1358.67       | 4987.15        | 6345.82    |
| PR-039 | Combination Roller 8T (Single drum Plain Compactor)  | Rs/Hr | 1278.06     | 4945.5         | 6223.56    | 1284.81       | 4945.57        | 6230.38    |
| PR-040 | P.T.R. (8 - Wheeler) 24 T  | Rs/Hr | 1444.01     | 4499.4         | 5943.41    | 1458.87       | 4499.48        | 5958.35    |
| PR-041 | P.T.R. (8 - Wheeler) 18 T  | Rs/Hr | 1348.2      | 4428.57        | 5776.77    | 1363.05       | 4428.57        | 5791.62    |
| PR-043 | Tandem Roller 10 T   | Rs/Hr | 1390.07     | 4564.24        | 5954.31    | 1395.93       | 4564.3         | 5960.23    |
| PR-044 | Power Broom  | Rs/Hr | 29.18       | 348.55         | 377.73     | 33.44         | 352.34         | 385.78     |
| PR-045 | Bitumen Dist. Tow Type 2000 Liter  | Rs/Hr | 207.11      | 1255.35        | 1462.46    | 208.72        | 1255.35        | 1464.07    |
| PR-046 | Bitumen Sprayer (Manual) 250 gallon  | Rs/Hr | 25.53       | 513.79         | 539.32     | 27.59         | 514.59         | 542.18     |
| PR-047 | Chip Spreader up to 3M Wide (attachment)   | Rs/Hr | 290.83      | 1206.47        | 1497.3     | 297.95        | 1209.24        | 1507.19    |
| PR-048 | Asphalt Plant 140 T  | Rs/Hr | 22422.93    | 29017.1        | 51440.03   | 22542.82      | 29077.04       | 51619.86   |
| PR-049 | Asphalt Plant 120 T  | Rs/Hr | 21666.95    | 26705.12       | 48372.07   | 21741.6       | 26742.45       | 48484.05   |
| PR-050 | Asphalt Plant 40 T   | Rs/Hr | 4785.26     | 12718.32       | 17503.58   | 4842.89       | 12747.13       | 17590.02   |
| PR-051 | Asphalt Plant 20 T   | Rs/Hr | 3803.4      | 6150.63        | 9954.03    | 3843.23       | 6170.55        | 10013.78   |
| PR-052 | Asphalt Paver basic width 3m,max 5.9m Wide   | Rs/Hr | 7652.09     | 13103.31       | 20755.4    | 7662.98       | 13108.75       | 20771.73   |
| PR-053 | Asphalt Paver ( width 2.4-4.7 m)   | Rs/Hr | 7253.34     | 13170.77       | 20424.11   | 7262.69       | 13175.45       | 20438.14   |
| PR-054 | Cold Milling Machine 2 M Wide  | Rs/Hr | 5993.92     | 13877.25       | 19871.17   | 6020.14       | 13877.25       | 19897.39   |
| PR-055 | Hand Push high Pressure Cold and Rubber Paint Marking Machine                                | Rs/Hr | 532.35      | 913.18         | 1445.53    | 534.15        | 913.18         | 1447.33    |
| PR-056 | Aggregate Spreader Up to 3M Wide   | Rs/Hr | 7253.34     | 13170.77       | 20424.11   | 7262.69       | 13175.45       | 20438.14   |
| PR-057 | Asphalt Cutter   | Rs/Hr | 19.74       | 482.11         | 501.85     | 19.86         | 482.11         | 501.97     |
| PR-058 | Rock Crushing & Screening (200 T/Hr)   | Rs/Hr | 9908.22     | 5464.6         | 15372.82   | 9985.57       | 5491.67        | 15477.24   |
| PR-060 | Asphalt Recycling Machine 0 to 60mm depth - 3 to 4m width  120 tons/hr                       | Rs/Hr | 36477.61    | 19446.2        | 55923.81   | 36522.08      | 19446.2        | 55968.28   |
| PR-061 | Hand Push Thermoplastic Road Marking Machine with double cylinder preheater                  | Rs/Hr | 1027.24     | 1631.09        | 2658.33    | 1042.42       | 1631.09        | 2673.51    |
| PR-062 | Cordless Drill Machine   | Rs/Hr | 1.67        | 470.19         | 471.86     | 1.67          | 470.19         | 471.86     |
| PR-063 | Crawler Rock driller   | Rs/Hr | 2529.49     | 7953.39        | 10482.88   | 2536.3        | 7953.39        | 10489.69   |
| PS-064 | Grouting Machine(electric) out put 3.6 cum/hr  | Rs/Hr | 52.12       | 1073.22        | 1125.34    | 52.7          | 1073.22        | 1125.92    |
| PS-065 | Hydraulic jack with pump upto 2000 Ton   | Rs/Hr | 466.14      | 1160.55        | 1626.69    | 470.01        | 1160.55        | 1630.56    |
| PR-066 | Guard Rail Pile Driver Machine   | Rs/Hr | 265         | 1987.09        | 2252.09    | 275.91        | 1987.09        | 2263       |
| PS-071 | Concrete Batching Plant 25m3/hr  | Rs/Hr | 5293.5      | 5580.09        | 10873.59   | 5308.97       | 5585.5         | 10894.47   |
| PS-072 | Concrete Static Mixer 1 Cum  | Rs/Hr | 874.94      | 1081.78        | 1956.72    | 882.67        | 1084.49        | 1967.16    |
| PS-073 | Concrete Static Mixer 1/4 Cum  | Rs/Hr | 77.79       | 965.29         | 1043.08    | 85.52         | 967.99         | 1053.51    |
| PS-074 | Concrete Transit Mixer 6 Cum   | Rs/Hr | 2409.78     | 2989.97        | 5399.75    | 2419.06       | 2989.97        | 5409.03    |
| PS-075 | Concrete Transit Mixer 4 Cum   | Rs/Hr | 1475.16     | 2602.72        | 4077.88    | 1482.89       | 2602.72        | 4085.61    |
| PS-076 | Stressing Equipment for 6500 KN force with electric power                                    | Rs/Hr | 219.19      | 1124.72        | 1343.91    | 220.76        | 1124.72        | 1345.48    |
| PS-077 | Concrete Cutter  | Rs/Hr | 19.74       | 482.11         | 501.85     | 19.86         | 482.11         | 501.97     |
| PS-078 | Piling Rig (dia up to 1m)  | Rs/Hr | 13446.93    | 15987.11       | 29434.04   | 13694.46      | 16110.87       | 29805.33   |
| PS-079 | Piling Rig (Dia 1m to 2m)  | Rs/Hr | 29012.24    | 28745.27       | 57757.51   | 29119.3       | 28798.8        | 57918.1    |

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

| Codes  | Description   | Unit  | Karak       |                |            | Khyber Agency |                |            |
|--------|---|-------|-------------|----------------|------------|---------------|----------------|------------|
|        |   |       | Owning Cost | Operating Cost | Total Cost | Owning Cost   | Operating Cost | Total Cost |
| PS-080 | Vibrator (Poker 1.5 ")  | Rs/Hr | 4.5         | 560.17         | 564.67     | 4.5           | 560.17         | 564.67     |
| PS-081 | Percussion Boring Rig (Diesel)                                | Rs/Hr | 2615.9      | 10165.77       | 12781.67   | 2677.78       | 10196.71       | 12874.49   |
| PS-082 | Concrete Pump 33 m with tuck chassis                          | Rs/Hr | 2862.19     | 16248.49       | 19110.68   | 3004.53       | 16319.66       | 19324.19   |
| PS-083 | Girder Launcher (Erecting Capacity max 200 ton)               | Rs/Hr | 6902.4      | 5081.05        | 11983.45   | 7103.73       | 5159.57        | 12263.3    |
| PS-084 | Tripod & Chain Pulley (20 Ton)                                | Rs/Hr | 113.43      | 735.06         | 848.49     | 125.81        | 735.06         | 860.87     |
| PS-085 | Shotcrete Machine 5-8 cum/hr                                  | Rs/Hr | 390.64      | 2211.84        | 2602.48    | 392.2         | 2212.45        | 2604.65    |
| PS-086 | Concrete Slip form Paver 2 to 6m for Road Pavement            | Rs/Hr | 13343.61    | 14907.01       | 28250.62   | 13368.37      | 14907.01       | 28275.38   |
| PS-087 | Concrete Slip form Paver for Barrier,curbs,sidewalk up to 3 m | Rs/Hr | 5870.95     | 8552.16        | 14423.11   | 5893.84       | 8552.16        | 14446      |
| PR-088 | Asphalt Static Mixer 1 Cum                                    | Rs/Hr | 680.57      | 1013.75        | 1694.32    | 688.3         | 1016.46        | 1704.76    |
| PS-089 | Straight Rotary machine up to 250 mm dia with all tools       | Rs/Hr | 141.52      | 1492.79        | 1634.31    | 147.71        | 1501.39        | 1649.1     |
| PX-090 | Submersible Slug Pump with 65 ft Head                         | Rs/Hr | 15.58       | 83.81          | 99.39      | 15.66         | 83.84          | 99.5       |
| PX-091 | Tractor 80 HP   | Rs/Hr | 168.39      | 2889.6         | 3057.99    | 170.76        | 2889.6         | 3060.36    |
| PX-092 | Tractor 50 HP   | Rs/Hr | 67.84       | 1839.47        | 1907.31    | 69.12         | 1839.47        | 1908.59    |
| PX-093 | Water Tank Bowser Type 12000 Liter                            | Rs/Hr | 679.78      | 5938.5         | 6618.28    | 693.71        | 5938.5         | 6632.21    |
| PX-094 | Water Tank Tow Type 4000 Liter (Including Tractor)            | Rs/Hr | 173.68      | 1967.19        | 2140.87    | 180.38        | 1967.19        | 2147.57    |
| PX-095 | Flat Body Truck pay load upto 8 ton                           | Rs/Hr | 376.02      | 5379.68        | 5755.7     | 379.48        | 5379.68        | 5759.16    |
| PX-096 | Sedan Car 1300 cc   | Rs/Hr | 253.04      | 2107.38        | 2360.42    | 254.03        | 2107.38        | 2361.41    |
| PX-097 | Sedan Car 1000 cc   | Rs/Hr | 202.5       | 1407.39        | 1609.89    | 203.29        | 1407.39        | 1610.68    |
| PX-098 | Pickup 2800 cc 4 x 4  | Rs/Hr | 644.52      | 2622.29        | 3266.81    | 646.09        | 2622.29        | 3268.38    |
| PX-099 | Pickup 2200 cc 4 x 2  | Rs/Hr | 357.3       | 1763.16        | 2120.46    | 358.87        | 1763.16        | 2122.03    |
| PX-100 | Pickup 800 cc 4 x 2   | Rs/Hr | 101.53      | 845.68         | 947.21     | 102.03        | 845.68         | 947.71     |
| PX-101 | Jeep 1300 cc 4 x 4  | Rs/Hr | 416.54      | 1491.62        | 1908.16    | 417.16        | 1491.62        | 1908.78    |
| PX-102 | Trailer Low Bed 30 ton  | Rs/Hr | 947.89      | 6434.51        | 7382.4     | 956.06        | 6434.51        | 7390.57    |
| PX-103 | Crane up to 55 Ton  | Rs/Hr | 3057.57     | 10409.79       | 13467.36   | 3083.49       | 10409.79       | 13493.28   |
| PX-104 | Crane Upto 25 ton   | Rs/Hr | 1926.93     | 9209.8         | 11136.73   | 1947.28       | 9209.8         | 11157.08   |
| PX-105 | Electric Diaphragm Pump                                       | Rs/Hr | 29.32       | 126.11         | 155.43     | 29.71         | 126.27         | 155.98     |
| PX-106 | Sand Blasting Machine   | Rs/Hr | 309.35      | 832.68         | 1142.03    | 309.84        | 832.68         | 1142.52    |
| PX-107 | Dump Truck 30 ton (18 cum)                                    | Rs/Hr | 2039.07     | 10225.98       | 12265.05   | 2046.5        | 10225.98       | 12272.48   |
| PX-108 | Tractor with Trolley (8 ton)                                  | Rs/Hr | 165.78      | 2602.39        | 2768.17    | 167.56        | 2602.39        | 2769.95    |
| PX-109 | Welding Plant   | Rs/Hr | 3.01        | 85.77          | 88.78      | 3.08          | 85.8           | 88.88      |
| PX-110 | Generator (Diesel) 150 kVa                                    | Rs/Hr | 170.82      | 7438.08        | 7608.9     | 172.07        | 7438.57        | 7610.64    |
| PX-111 | Generator (Diesel) 250 kVa                                    | Rs/Hr | 305.13      | 11097.22       | 11402.35   | 306.9         | 11097.91       | 11404.81   |
| PX-112 | Diesel Tanker 25000 Liter with Pump                           | Rs/Hr | 678.73      | 7451.84        | 8130.57    | 700.39        | 7451.84        | 8152.23    |
| PX-113 | Forging /Shape Machine  | Rs/Hr | 32.1        | 546.01         | 578.11     | 32.49         | 546.01         | 578.5      |
| PX-114 | Generator (Diesel) 50 KVA                                     | Rs/Hr | 89.63       | 2673.71        | 2763.34    | 90.25         | 2673.95        | 2764.2     |
| PX-115 | Diesel Tanker 12000 Liter with Pump                           | Rs/Hr | 348.95      | 3983.83        | 4332.78    | 364.42        | 3983.83        | 4348.25    |
| PX-116 | Diesel Tanker 5000 Liter with Pump                            | Rs/Hr | 268.98      | 3050.83        | 3319.81    | 276.51        | 3050.83        | 3327.34    |
| PX-117 | Diesel Generator 20 KVA                                       | Rs/Hr | 64.92       | 2031.6         | 2096.52    | 65.34         | 2031.77        | 2097.11    |
| PX-118 | Diesel Generator 5 KVA  | Rs/Hr | 13.46       | 992.74         | 1006.2     | 13.51         | 992.76         | 1006.27    |
| PX-119 | Steel Rolling Machine   | Rs/Hr | 85.12       | 366.07         | 451.19     | 87.6          | 367.04         | 454.64     |
| PX-120 | Diesel Generator 13 KVA                                       | Rs/Hr | 63.06       | 1458.19        | 1521.25    | 63.12         | 1458.21        | 1521.33    |

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

| Codes  | Description  | Unit  | Kohat       |                |            | Kurram Agency |                |            |
|--------|--|-------|-------------|----------------|------------|---------------|----------------|------------|
|        |  |       | 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 | 4533.52     | 10828.96       | 15362.48   | 4542.15       | 10828.96       | 15371.11   |
| PE-002 | Bulldozer-200 HP (Crawler Dozer-Track Type) with Blade Capacity 4.4 cum                      | Rs/Hr | 3027.87     | 8831.46        | 11859.33   | 3034.24       | 8831.46        | 11865.7    |
| PE-003 | Bulldozer-130 HP (Crawler Dozer-Track Type) with Blade Capacity 2.7 cum                      | Rs/Hr | 2757.22     | 6889.41        | 9646.63    | 2761.01       | 6889.41        | 9650.42    |
| PE-004 | Wheel Loader 187HP with Bucket Capacity 3.3 cum  | Rs/Hr | 3609.86     | 7305.74        | 10915.6    | 3614.87       | 7305.74        | 10920.61   |
| PE-005 | Wheel Loader 166 HP with Bucket Capacity 2.8 cum   | Rs/Hr | 2849.71     | 6344.18        | 9193.89    | 2853.88       | 6344.18        | 9198.06    |
| PE-006 | Wheel Loader 135 HP with Bucket Capacity 1.90 cum  | Rs/Hr | 2653.78     | 5304.72        | 7958.5     | 2657.08       | 5304.72        | 7961.8     |
| PE-008 | Dumper loading Capacity 18 T   | Rs/Hr | 1519.04     | 3139.69        | 4658.73    | 1523.15       | 3139.69        | 4662.84    |
| PE-009 | Dumper loading Capacity 10 T   | Rs/Hr | 897.4       | 2939.03        | 3836.43    | 899.8         | 2939.03        | 3838.83    |
| PE-010 | Excavator (Track Type) 100 HP  | Rs/Hr | 2356.45     | 7787.91        | 10144.36   | 2363.05       | 7787.91        | 10150.96   |
| PE-011 | Compressor 300 CFM   | Rs/Hr | 413.65      | 7243.66        | 7657.31    | 414.27        | 7243.66        | 7657.93    |
| PE-012 | Rock Driller -Pneumatic-plug   | Rs/Hr | 21.59       | 511.25         | 532.84     | 21.6          | 511.26         | 532.86     |
| PE-013 | Electric Saw   | Rs/Hr | 1.38        | 474.2          | 475.58     | 1.38          | 474.2          | 475.58     |
| PE-014 | Petrol Motorized Chain Saw   | Rs/Hr | 8.84        | 314.65         | 323.49     | 8.84          | 350.92         | 359.76     |
| PE-015 | Electric Breaker (Demolition Hammer)   | Rs/Hr | 15.69       | 476.52         | 492.21     | 15.7          | 476.52         | 492.22     |
| PE-016 | Plate Compactor  | Rs/Hr | 86.74       | 962.3          | 1049.04    | 86.9          | 962.36         | 1049.26    |
| PE-017 | Pugmill 40 Tons per hour   | Rs/Hr | 1383.83     | 8814.35        | 10198.18   | 1443.56       | 8814.35        | 10257.91   |
| PR-018 | Combination Roller 18 T Single drum Pad/Sheep Foot Compactor                                 | Rs/Hr | 2213.01     | 6458.93        | 8671.94    | 2216.66       | 6458.97        | 8675.63    |
| PR-019 | Combination Roller 12 T (Single drum Pad/Sheep Foot Compactor)                               | Rs/Hr | 1485.33     | 5003.69        | 6489.02    | 1488.88       | 5003.73        | 6492.61    |
| PR-020 | Combination Roller 8T (Single drum Pad/Sheep Foot Compactor)                                 | Rs/Hr | 1404.57     | 4956.26        | 6360.83    | 1407.94       | 4956.3         | 6364.24    |
| PE-021 | Excavator (Track Type) 168 HP with Bucket Capacity 0.8 cum                                   | Rs/Hr | 2588.38     | 8159.3         | 10747.68   | 2595.44       | 8159.3         | 10754.74   |
| PE-022 | Excavator (Track Type) 250 HP with Bucket Capacity 1.4 cum                                   | Rs/Hr | 2908.08     | 10839.53       | 13747.61   | 2917.66       | 10839.53       | 13757.19   |
| PE-023 | Excavator (Track Type) 345 HP with Bucket Capacity 2.2 cum                                   | Rs/Hr | 3482.07     | 13784.13       | 17266.2    | 3494.94       | 13784.13       | 17279.07   |
| PE-024 | Jack Hammer side type for Excavator (Track Type) 168 HP with Bucket Capacity 0.9 cum         | Rs/Hr | 144.95      | 451.59         | 596.54     | 145.85        | 452.39         | 598.24     |
| PE-025 | Jack Hammer side type for Excavator (Track Type) 265/340 HP with Bucket Capacity 1.6/2.3 cum | Rs/Hr | 302.28      | 591.61         | 893.89     | 303.82        | 592.98         | 896.8      |
| PS-026 | Pipe Layer with lifting weight upto 25 Ton   | Rs/Hr | 2265.13     | 8216.74        | 10481.87   | 2273.6        | 8216.74        | 10490.34   |
| PR-031 | Motor Grader 250HP with Blade length 4.32m   | Rs/Hr | 4014.38     | 9636.81        | 13651.19   | 4020.33       | 9636.81        | 13657.14   |
| PR-032 | Motor Grader 218HP with Blade length 4.32m   | Rs/Hr | 3510        | 7865.01        | 11375.01   | 3514.92       | 7865.01        | 11379.93   |
| PR-033 | Tandem Roller 12 T   | Rs/Hr | 1780.26     | 4644.21        | 6424.47    | 1783.81       | 4644.25        | 6428.06    |
| PR-034 | Tandem Roller 8 T  | Rs/Hr | 1275.07     | 4380.24        | 5655.31    | 1277.92       | 4380.27        | 5658.19    |
| PR-035 | Tandem Roller 6 T  | Rs/Hr | 1179.26     | 2706.6         | 3885.86    | 1182.11       | 2706.63        | 3888.74    |
| PR-036 | Tandem Roller 1.50 T   | Rs/Hr | 423.83      | 2029.39        | 2453.22    | 424.36        | 2029.4         | 2453.76    |
| PR-037 | Combination Roller 18 T Single drum Plain Compactor  | Rs/Hr | 2014.8      | 5721.6         | 7736.4     | 2018.45       | 5721.6         | 7740.05    |
| PR-038 | Combination Roller 12 T (Single drum Plain Compactor)  | Rs/Hr | 1353.19     | 4987.09        | 6340.28    | 1356.74       | 4987.13        | 6343.87    |
| PR-039 | Combination Roller 8T (Single drum Plain Compactor)  | Rs/Hr | 1279.62     | 4945.51        | 6225.13    | 1282.98       | 4945.55        | 6228.53    |
| PR-040 | P.T.R. (8 - Wheeler) 24 T  | Rs/Hr | 1447.45     | 4499.42        | 5946.87    | 1454.85       | 4499.46        | 5954.31    |
| PR-041 | P.T.R. (8 - Wheeler) 18 T  | Rs/Hr | 1351.64     | 4428.57        | 5780.21    | 1359.03       | 4428.57        | 5787.6     |
| PR-043 | Tandem Roller 10 T   | Rs/Hr | 1391.42     | 4564.25        | 5955.67    | 1394.34       | 4564.28        | 5958.62    |
| PR-044 | Power Broom  | Rs/Hr | 30.16       | 349.42         | 379.58     | 32.28         | 351.31         | 383.59     |
| PR-045 | Bitumen Dist. Tow Type 2000 Liter  | Rs/Hr | 207.48      | 1255.35        | 1462.83    | 208.28        | 1255.35        | 1463.63    |
| PR-046 | Bitumen Sprayer (Manual) 250 gallon  | Rs/Hr | 26.01       | 513.98         | 539.99     | 27.03         | 514.38         | 541.41     |
| PR-047 | Chip Spreader up to 3M Wide (attachment)   | Rs/Hr | 292.48      | 1207.11        | 1499.59    | 296.02        | 1208.49        | 1504.51    |
| PR-048 | Asphalt Plant 140 T  | Rs/Hr | 22450.65    | 29030.96       | 51481.61   | 22510.38      | 29060.82       | 51571.2    |
| PR-049 | Asphalt Plant 120 T  | Rs/Hr | 21684.21    | 26713.75       | 48397.96   | 21721.39      | 26732.34       | 48453.73   |
| PR-050 | Asphalt Plant 40 T   | Rs/Hr | 4798.59     | 12724.98       | 17523.57   | 4827.3        | 12739.34       | 17566.64   |
| PR-051 | Asphalt Plant 20 T   | Rs/Hr | 3812.61     | 6155.24        | 9967.85    | 3832.45       | 6165.16        | 9997.61    |
| PR-052 | Asphalt Paver basic width 3m,max 5.9m Wide   | Rs/Hr | 7654.6      | 13104.56       | 20759.16   | 7660.03       | 13107.28       | 20767.31   |
| PR-053 | Asphalt Paver ( width 2.4-4.7 m)   | Rs/Hr | 7255.5      | 13171.85       | 20427.35   | 7260.16       | 13174.18       | 20434.34   |
| PR-054 | Cold Milling Machine 2 M Wide  | Rs/Hr | 5999.98     | 13877.25       | 19877.23   | 6013.04       | 13877.25       | 19890.29   |
| PR-055 | Hand Push high Pressure Cold and Rubber Paint Marking Machine                                | Rs/Hr | 532.77      | 913.18         | 1445.95    | 533.66        | 913.18         | 1446.84    |
| PR-056 | Aggregate Spreader Up to 3M Wide   | Rs/Hr | 7255.5      | 13171.85       | 20427.35   | 7260.16       | 13174.18       | 20434.34   |
| PR-057 | Asphalt Cutter   | Rs/Hr | 19.77       | 482.11         | 501.88     | 19.83         | 482.11         | 501.94     |
| PR-058 | Rock Crushing & Screening (200 T/Hr)   | Rs/Hr | 9926.1      | 5470.85        | 15396.95   | 9964.64       | 5484.34        | 15448.98   |
| PR-060 | Asphalt Recycling Machine 0 to 60mm depth - 3 to 4m width  120 tons/hr                       | Rs/Hr | 36487.89    | 19446.2        | 55934.09   | 36510.04      | 19446.2        | 55956.24   |
| PR-061 | Hand Push Thermoplastic Road Marking Machine with double cylinder preheater                  | Rs/Hr | 1030.75     | 1631.09        | 2661.84    | 1038.31       | 1631.09        | 2669.4     |
| PR-062 | Cordless Drill Machine   | Rs/Hr | 1.67        | 470.19         | 471.86     | 1.67          | 470.19         | 471.86     |
| PR-063 | Crawler Rock driller   | Rs/Hr | 2531.07     | 7953.39        | 10484.46   | 2534.46       | 7953.39        | 10487.85   |
| PS-064 | Grouting Machine(electric) out put 3.6 cum/hr  | Rs/Hr | 52.25       | 1073.22        | 1125.47    | 52.54         | 1073.22        | 1125.76    |
| PS-065 | Hydraulic jack with pump upto 2000 Ton   | Rs/Hr | 467.04      | 1160.55        | 1627.59    | 468.97        | 1160.55        | 1629.52    |
| PR-066 | Guard Rail Pile Driver Machine   | Rs/Hr | 267.52      | 1987.09        | 2254.61    | 272.95        | 1987.09        | 2260.04    |
| PS-071 | Concrete Batching Plant 25m3/hr  | Rs/Hr | 5297.07     | 5581.34        | 10878.41   | 5304.78       | 5584.04        | 10888.82   |
| PS-072 | Concrete Static Mixer 1 Cum  | Rs/Hr | 876.73      | 1082.41        | 1959.14    | 880.58        | 1083.75        | 1964.33    |
| PS-073 | Concrete Static Mixer 1/4 Cum  | Rs/Hr | 79.58       | 965.91         | 1045.49    | 83.43         | 967.26         | 1050.69    |
| PS-074 | Concrete Transit Mixer 6 Cum   | Rs/Hr | 2411.93     | 2989.97        | 5401.9     | 2416.55       | 2989.97        | 5406.52    |
| PS-075 | Concrete Transit Mixer 4 Cum   | Rs/Hr | 1476.95     | 2602.72        | 4079.67    | 1480.8        | 2602.72        | 4083.52    |
| PS-076 | Stressing Equipment for 6500 KN force with electric power                                    | Rs/Hr | 219.55      | 1124.72        | 1344.27    | 220.34        | 1124.72        | 1345.06    |
| PS-077 | Concrete Cutter  | Rs/Hr | 19.77       | 482.11         | 501.88     | 19.83         | 482.11         | 501.94     |
| PS-078 | Piling Rig (dia up to 1m)  | Rs/Hr | 13504.16    | 16015.72       | 29519.88   | 13627.47      | 16077.38       | 29704.85   |
| PS-079 | Piling Rig (Dia 1m to 2m)  | Rs/Hr | 29036.99    | 28757.65       | 57794.64   | 29090.32      | 28784.31       | 57874.63   |

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

| Codes  | Description   | Unit  | Kohat       |                |            | Kurram Agency |                |            |
|--------|---|-------|-------------|----------------|------------|---------------|----------------|------------|
|        |   |       | Owning Cost | Operating Cost | Total Cost | Owning Cost   | Operating Cost | Total Cost |
| PS-080 | Vibrator (Poker 1.5 ")  | Rs/Hr | 4.5         | 560.17         | 564.67     | 4.5           | 560.17         | 564.67     |
| PS-081 | Percussion Boring Rig (Diesel)                                | Rs/Hr | 2630.21     | 10172.93       | 12803.14   | 2661.04       | 10188.34       | 12849.38   |
| PS-082 | Concrete Pump 33 m with tuck chassis                          | Rs/Hr | 2895.1      | 16264.95       | 19160.05   | 2966          | 16300.4        | 19266.4    |
| PS-083 | Girder Launcher (Erecting Capacity max 200 ton)               | Rs/Hr | 6948.95     | 5099.21        | 12048.16   | 7049.24       | 5138.32        | 12187.56   |
| PS-084 | Tripod & Chain Pulley (20 Ton)                                | Rs/Hr | 116.3       | 735.06         | 851.36     | 122.46        | 735.06         | 857.52     |
| PS-085 | Shotcrete Machine 5-8 cum/hr                                  | Rs/Hr | 391         | 2211.98        | 2602.98    | 391.78        | 2212.28        | 2604.06    |
| PS-086 | Concrete Slip form Paver 2 to 6m for Road Pavement            | Rs/Hr | 13349.34    | 14907.01       | 28256.35   | 13361.67      | 14907.01       | 28268.68   |
| PS-087 | Concrete Slip form Paver for Barrier,curbs,sidewalk up to 3 m | Rs/Hr | 5876.24     | 8552.16        | 14428.4    | 5887.65       | 8552.16        | 14439.81   |
| PR-088 | Asphalt Static Mixer 1 Cum                                    | Rs/Hr | 682.36      | 1014.38        | 1696.74    | 686.21        | 1015.72        | 1701.93    |
| PS-089 | Straight Rotary machine up to 250 mm dia with all tools       | Rs/Hr | 142.95      | 1494.78        | 1637.73    | 146.03        | 1499.06        | 1645.09    |
| PX-090 | Submersible Slug Pump with 65 ft Head                         | Rs/Hr | 15.6        | 83.82          | 99.42      | 15.63         | 83.83          | 99.46      |
| PX-091 | Tractor 80 HP   | Rs/Hr | 168.94      | 2889.6         | 3058.54    | 170.12        | 2889.6         | 3059.72    |
| PX-092 | Tractor 50 HP   | Rs/Hr | 68.14       | 1839.47        | 1907.61    | 68.77         | 1839.47        | 1908.24    |
| PX-093 | Water Tank Bowser Type 12000 Liter                            | Rs/Hr | 683         | 5938.5         | 6621.5     | 689.94        | 5938.5         | 6628.44    |
| PX-094 | Water Tank Tow Type 4000 Liter (Including Tractor)            | Rs/Hr | 175.23      | 1967.19        | 2142.42    | 178.57        | 1967.19        | 2145.76    |
| PX-095 | Flat Body Truck pay load upto 8 ton                           | Rs/Hr | 376.82      | 5379.68        | 5756.5     | 378.55        | 5379.68        | 5758.23    |
| PX-096 | Sedan Car 1300 cc   | Rs/Hr | 253.27      | 2107.38        | 2360.65    | 253.77        | 2107.38        | 2361.15    |
| PX-097 | Sedan Car 1000 cc   | Rs/Hr | 202.68      | 1407.39        | 1610.07    | 203.08        | 1407.39        | 1610.47    |
| PX-098 | Pickup 2800 cc 4 x 4  | Rs/Hr | 644.88      | 2622.29        | 3267.17    | 645.66        | 2622.29        | 3267.95    |
| PX-099 | Pickup 2200 cc 4 x 2  | Rs/Hr | 357.66      | 1763.16        | 2120.82    | 358.44        | 1763.16        | 2121.6     |
| PX-100 | Pickup 800 cc 4 x 2   | Rs/Hr | 101.65      | 845.68         | 947.33     | 101.9         | 845.68         | 947.58     |
| PX-101 | Jeep 1300 cc 4 x 4  | Rs/Hr | 416.68      | 1491.62        | 1908.3     | 416.99        | 1491.62        | 1908.61    |
| PX-102 | Trailer Low Bed 30 ton  | Rs/Hr | 949.78      | 6434.51        | 7384.29    | 953.85        | 6434.51        | 7388.36    |
| PX-103 | Crane up to 55 Ton  | Rs/Hr | 3063.56     | 10409.79       | 13473.35   | 3076.47       | 10409.79       | 13486.26   |
| PX-104 | Crane Upto 25 ton   | Rs/Hr | 1931.63     | 9209.8         | 11141.43   | 1941.77       | 9209.8         | 11151.57   |
| PX-105 | Electric Diaphragm Pump                                       | Rs/Hr | 29.41       | 126.15         | 155.56     | 29.6          | 126.22         | 155.82     |
| PX-106 | Sand Blasting Machine   | Rs/Hr | 309.46      | 832.68         | 1142.14    | 309.71        | 832.68         | 1142.39    |
| PX-107 | Dump Truck 30 ton (18 cum)                                    | Rs/Hr | 2040.79     | 10225.98       | 12266.77   | 2044.49       | 10225.98       | 12270.47   |
| PX-108 | Tractor with Trolley (8 ton)                                  | Rs/Hr | 166.19      | 2602.39        | 2768.58    | 167.08        | 2602.39        | 2769.47    |
| PX-109 | Welding Plant   | Rs/Hr | 3.02        | 85.78          | 88.8       | 3.06          | 85.79          | 88.85      |
| PX-110 | Generator (Diesel) 150 kVa                                    | Rs/Hr | 171.11      | 7438.2         | 7609.31    | 171.73        | 7438.44        | 7610.17    |
| PX-111 | Generator (Diesel) 250 kVa                                    | Rs/Hr | 305.54      | 11097.38       | 11402.92   | 306.42        | 11097.72       | 11404.14   |
| PX-112 | Diesel Tanker 25000 Liter with Pump                           | Rs/Hr | 683.74      | 7451.84        | 8135.58    | 694.52        | 7451.84        | 8146.36    |
| PX-113 | Forging /Shape Machine  | Rs/Hr | 32.19       | 546.01         | 578.2      | 32.38         | 546.01         | 578.39     |
| PX-114 | Generator (Diesel) 50 KVA                                     | Rs/Hr | 89.77       | 2673.77        | 2763.54    | 90.08         | 2673.89        | 2763.97    |
| PX-115 | Diesel Tanker 12000 Liter with Pump                           | Rs/Hr | 352.53      | 3983.83        | 4336.36    | 360.23        | 3983.83        | 4344.06    |
| PX-116 | Diesel Tanker 5000 Liter with Pump                            | Rs/Hr | 270.72      | 3050.83        | 3321.55    | 274.47        | 3050.83        | 3325.3     |
| PX-117 | Diesel Generator 20 KVA                                       | Rs/Hr | 65.02       | 2031.64        | 2096.66    | 65.23         | 2031.72        | 2096.95    |
| PX-118 | Diesel Generator 5 KVA  | Rs/Hr | 13.47       | 992.74         | 1006.21    | 13.5          | 992.75         | 1006.25    |
| PX-119 | Steel Rolling Machine   | Rs/Hr | 85.69       | 366.29         | 451.98     | 86.93         | 366.78         | 453.71     |
| PX-120 | Diesel Generator 13 KVA                                       | Rs/Hr | 63.08       | 1458.2         | 1521.28    | 63.11         | 1458.21        | 1521.32    |

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

| Codes  | Description  | Unit  | Lakki Marwat |                |            | Dir Lower   |                |            |
|--------|--|-------|--------------|----------------|------------|-------------|----------------|------------|
|        |  |       | 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 | 4526.38      | 10828.96       | 15355.34   | 4546.91     | 10828.96       | 15375.87   |
| PE-002 | Bulldozer-200 HP (Crawler Dozer-Track Type) with Blade Capacity 4.4 cum                      | Rs/Hr | 3022.6       | 8831.46        | 11854.06   | 3037.75     | 8831.46        | 11869.21   |
| PE-003 | Bulldozer-130 HP (Crawler Dozer-Track Type) with Blade Capacity 2.7 cum                      | Rs/Hr | 2754.08      | 6889.41        | 9643.49    | 2763.1      | 6889.41        | 9652.51    |
| PE-004 | Wheel Loader 187HP with Bucket Capacity 3.3 cum  | Rs/Hr | 3605.72      | 7305.74        | 10911.46   | 3617.63     | 7305.74        | 10923.37   |
| PE-005 | Wheel Loader 166 HP with Bucket Capacity 2.8 cum   | Rs/Hr | 2846.26      | 6344.18        | 9190.44    | 2856.17     | 6344.18        | 9200.35    |
| PE-006 | Wheel Loader 135 HP with Bucket Capacity 1.90 cum  | Rs/Hr | 2651.05      | 5304.72        | 7955.77    | 2658.9      | 5304.72        | 7963.62    |
| PE-008 | Dumper loading Capacity 18 T   | Rs/Hr | 1515.65      | 3139.69        | 4655.34    | 1525.42     | 3139.69        | 4665.11    |
| PE-009 | Dumper loading Capacity 10 T   | Rs/Hr | 895.41       | 2939.03        | 3834.44    | 901.13      | 2939.03        | 3840.16    |
| PE-010 | Excavator (Track Type) 100 HP  | Rs/Hr | 2351         | 7787.91        | 10138.91   | 2366.68     | 7787.91        | 10154.59   |
| PE-011 | Compressor 300 CFM   | Rs/Hr | 413.14       | 7243.66        | 7656.8     | 414.62      | 7243.66        | 7658.28    |
| PE-012 | Rock Driller -Pneumatic-plug   | Rs/Hr | 21.59        | 511.25         | 532.84     | 21.6        | 511.26         | 532.86     |
| PE-013 | Electric Saw   | Rs/Hr | 1.38         | 474.2          | 475.58     | 1.38        | 474.2          | 475.58     |
| PE-014 | Petrol Motorized Chain Saw   | Rs/Hr | 8.84         | 333.16         | 342        | 8.84        | 339.27         | 348.11     |
| PE-015 | Electric Breaker (Demolition Hammer)   | Rs/Hr | 15.69        | 476.52         | 492.21     | 15.71       | 476.52         | 492.23     |
| PE-016 | Plate Compactor  | Rs/Hr | 86.61        | 962.25         | 1048.86    | 86.98       | 962.39         | 1049.37    |
| PE-017 | Pugmill 40 Tons per hour   | Rs/Hr | 1334.47      | 8814.35        | 10148.82   | 1476.49     | 8814.35        | 10290.84   |
| PR-018 | Combination Roller 18 T Single drum Pad/Sheep Foot Compactor                                 | Rs/Hr | 2209.98      | 6458.89        | 8668.87    | 2218.68     | 6458.99        | 8677.67    |
| PR-019 | Combination Roller 12 T (Single drum Pad/Sheep Foot Compactor)                               | Rs/Hr | 1482.39      | 5003.66        | 6486.05    | 1490.84     | 5003.75        | 6494.59    |
| PR-020 | Combination Roller 8T (Single drum Pad/Sheep Foot Compactor)                                 | Rs/Hr | 1401.79      | 4956.23        | 6358.02    | 1409.79     | 4956.32        | 6366.11    |
| PE-021 | Excavator (Track Type) 168 HP with Bucket Capacity 0.8 cum                                   | Rs/Hr | 2582.55      | 8159.3         | 10741.85   | 2599.33     | 8159.3         | 10758.63   |
| PE-022 | Excavator (Track Type) 250 HP with Bucket Capacity 1.4 cum                                   | Rs/Hr | 2900.15      | 10839.53       | 13739.68   | 2922.95     | 10839.53       | 13762.48   |
| PE-023 | Excavator (Track Type) 345 HP with Bucket Capacity 2.2 cum                                   | Rs/Hr | 3471.44      | 13784.13       | 17255.57   | 3502.03     | 13784.13       | 17286.16   |
| PE-024 | Jack Hammer side type for Excavator (Track Type) 168 HP with Bucket Capacity 0.9 cum         | Rs/Hr | 144.21       | 450.93         | 595.14     | 146.35      | 452.83         | 599.18     |
| PE-025 | Jack Hammer side type for Excavator (Track Type) 265/340 HP with Bucket Capacity 1.6/2.3 cum | Rs/Hr | 301.01       | 590.48         | 891.49     | 304.67      | 593.74         | 898.41     |
| PS-026 | Pipe Layer with lifting weight upto 25 Ton   | Rs/Hr | 2258.12      | 8216.74        | 10474.86   | 2278.28     | 8216.74        | 10495.02   |
| PR-031 | Motor Grader 250HP with Blade length 4.32m   | Rs/Hr | 4009.47      | 9636.81        | 13646.28   | 4023.61     | 9636.81        | 13660.42   |
| PR-032 | Motor Grader 218HP with Blade length 4.32m   | Rs/Hr | 3505.94      | 7865.01        | 11370.95   | 3517.63     | 7865.01        | 11382.64   |
| PR-033 | Tandem Roller 12 T   | Rs/Hr | 1777.33      | 4644.18        | 6421.51    | 1785.76     | 4644.27        | 6430.03    |
| PR-034 | Tandem Roller 8 T  | Rs/Hr | 1272.71      | 4380.21        | 5652.92    | 1279.5      | 4380.28        | 5659.78    |
| PR-035 | Tandem Roller 6 T  | Rs/Hr | 1176.9       | 2706.57        | 3883.47    | 1183.69     | 2706.65        | 3890.34    |
| PR-036 | Tandem Roller 1.50 T   | Rs/Hr | 423.4        | 2029.39        | 2452.79    | 424.65      | 2029.41        | 2454.06    |
| PR-037 | Combination Roller 18 T Single drum Plain Compactor  | Rs/Hr | 2011.77      | 5721.6         | 7733.37    | 2020.47     | 5721.6         | 7742.07    |
| PR-038 | Combination Roller 12 T (Single drum Plain Compactor)  | Rs/Hr | 1350.25      | 4987.06        | 6337.31    | 1358.7      | 4987.15        | 6345.85    |
| PR-039 | Combination Roller 8T (Single drum Plain Compactor)  | Rs/Hr | 1276.84      | 4945.48        | 6222.32    | 1284.84     | 4945.57        | 6230.41    |
| PR-040 | P.T.R. (8 - Wheeler) 24 T  | Rs/Hr | 1441.33      | 4499.39        | 5940.72    | 1458.92     | 4499.48        | 5958.4     |
| PR-041 | P.T.R. (8 - Wheeler) 18 T  | Rs/Hr | 1345.52      | 4428.57        | 5774.09    | 1363.11     | 4428.57        | 5791.68    |
| PR-043 | Tandem Roller 10 T   | Rs/Hr | 1389.01      | 4564.22        | 5953.23    | 1395.95     | 4564.3         | 5960.25    |
| PR-044 | Power Broom  | Rs/Hr | 28.41        | 347.87         | 376.28     | 33.45       | 352.35         | 385.8      |
| PR-045 | Bitumen Dist. Tow Type 2000 Liter  | Rs/Hr | 206.82       | 1255.35        | 1462.17    | 208.73      | 1255.35        | 1464.08    |
| PR-046 | Bitumen Sprayer (Manual) 250 gallon  | Rs/Hr | 25.16        | 513.65         | 538.81     | 27.6        | 514.6          | 542.2      |
| PR-047 | Chip Spreader up to 3M Wide (attachment)   | Rs/Hr | 289.55       | 1205.97        | 1495.52    | 297.98      | 1209.25        | 1507.23    |
| PR-048 | Asphalt Plant 140 T  | Rs/Hr | 22401.28     | 29006.27       | 51407.55   | 22543.31    | 29077.29       | 51620.6    |
| PR-049 | Asphalt Plant 120 T  | Rs/Hr | 21653.47     | 26698.38       | 48351.85   | 21741.9     | 26742.6        | 48484.5    |
| PR-050 | Asphalt Plant 40 T   | Rs/Hr | 4774.86      | 12713.12       | 17487.98   | 4843.12     | 12747.25       | 17590.37   |
| PR-051 | Asphalt Plant 20 T   | Rs/Hr | 3796.21      | 6147.04        | 9943.25    | 3843.39     | 6170.63        | 10014.02   |
| PR-052 | Asphalt Paver basic width 3m,max 5.9m Wide   | Rs/Hr | 7650.12      | 13102.32       | 20752.44   | 7663.02     | 13108.77       | 20771.79   |
| PR-053 | Asphalt Paver ( width 2.4-4.7 m)   | Rs/Hr | 7251.65      | 13169.93       | 20421.58   | 7262.72     | 13175.46       | 20438.18   |
| PR-054 | Cold Milling Machine 2 M Wide  | Rs/Hr | 5989.18      | 13877.25       | 19866.43   | 6020.25     | 13877.25       | 19897.5    |
| PR-055 | Hand Push high Pressure Cold and Rubber Paint Marking Machine                                | Rs/Hr | 532.03       | 913.18         | 1445.21    | 534.16      | 913.18         | 1447.34    |
| PR-056 | Aggregate Spreader Up to 3M Wide   | Rs/Hr | 7251.65      | 13169.93       | 20421.58   | 7262.72     | 13175.46       | 20438.18   |
| PR-057 | Asphalt Cutter   | Rs/Hr | 19.72        | 482.11         | 501.83     | 19.86       | 482.11         | 501.97     |
| PR-058 | Rock Crushing & Screening (200 T/Hr)   | Rs/Hr | 9894.25      | 5459.71        | 15353.96   | 9985.88     | 5491.78        | 15477.66   |
| PR-060 | Asphalt Recycling Machine 0 to 60mm depth - 3 to 4m width  120 tons/hr                       | Rs/Hr | 36469.59     | 19446.2        | 55915.79   | 36522.26    | 19446.2        | 55968.46   |
| PR-061 | Hand Push Thermoplastic Road Marking Machine with double cylinder preheater                  | Rs/Hr | 1024.5       | 1631.09        | 2655.59    | 1042.48     | 1631.09        | 2673.57    |
| PR-062 | Cordless Drill Machine   | Rs/Hr | 1.67         | 470.19         | 471.86     | 1.67        | 470.19         | 471.86     |
| PR-063 | Crawler Rock driller   | Rs/Hr | 2528.26      | 7953.39        | 10481.65   | 2536.33     | 7953.39        | 10489.72   |
| PS-064 | Grouting Machine(electric) out put 3.6 cum/hr  | Rs/Hr | 52.01        | 1073.22        | 1125.23    | 52.7        | 1073.22        | 1125.92    |
| PS-065 | Hydraulic jack with pump upto 2000 Ton   | Rs/Hr | 465.45       | 1160.55        | 1626       | 470.03      | 1160.55        | 1630.58    |
| PR-066 | Guard Rail Pile Driver Machine   | Rs/Hr | 263.03       | 1987.09        | 2250.12    | 275.95      | 1987.09        | 2263.04    |
| PS-071 | Concrete Batching Plant 25m3/hr  | Rs/Hr | 5290.7       | 5579.11        | 10869.81   | 5309.03     | 5585.53        | 10894.56   |
| PS-072 | Concrete Static Mixer 1 Cum  | Rs/Hr | 873.54       | 1081.29        | 1954.83    | 882.7       | 1084.5         | 1967.2     |
| PS-073 | Concrete Static Mixer 1/4 Cum  | Rs/Hr | 76.39        | 964.8          | 1041.19    | 85.55       | 968            | 1053.55    |
| PS-074 | Concrete Transit Mixer 6 Cum   | Rs/Hr | 2408.1       | 2989.97        | 5398.07    | 2419.1      | 2989.97        | 5409.07    |
| PS-075 | Concrete Transit Mixer 4 Cum   | Rs/Hr | 1473.76      | 2602.72        | 4076.48    | 1482.92     | 2602.72        | 4085.64    |
| PS-076 | Stressing Equipment for 6500 KN force with electric power                                    | Rs/Hr | 218.9        | 1124.72        | 1343.62    | 220.77      | 1124.72        | 1345.49    |
| PS-077 | Concrete Cutter  | Rs/Hr | 19.72        | 482.11         | 501.83     | 19.86       | 482.11         | 501.97     |
| PS-078 | Piling Rig (dia up to 1m)  | Rs/Hr | 13402.24     | 15964.76       | 29367      | 13695.46    | 16111.37       | 29806.83   |
| PS-079 | Piling Rig (Dia 1m to 2m)  | Rs/Hr | 28992.91     | 28735.61       | 57728.52   | 29119.73    | 28799.02       | 57918.75   |

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

| Codes  | Description   | Unit  | Lakki Marwat |                |            | Dir Lower   |                |            |
|--------|---|-------|--------------|----------------|------------|-------------|----------------|------------|
|        |   |       | Owning Cost  | Operating Cost | Total Cost | Owning Cost | Operating Cost | Total Cost |
| PS-080 | Vibrator (Poker 1.5 ")  | Rs/Hr | 4.5          | 560.17         | 564.67     | 4.5         | 560.17         | 564.67     |
| PS-081 | Percussion Boring Rig (Diesel)                                | Rs/Hr | 2604.73      | 10160.19       | 12764.92   | 2678.03     | 10196.84       | 12874.87   |
| PS-082 | Concrete Pump 33 m with tuck chassis                          | Rs/Hr | 2836.5       | 16235.65       | 19072.15   | 3005.1      | 16319.95       | 19325.05   |
| PS-083 | Girder Launcher (Erecting Capacity max 200 ton)               | Rs/Hr | 6866.06      | 5066.88        | 11932.94   | 7104.54     | 5159.89        | 12264.43   |
| PS-084 | Tripod & Chain Pulley (20 Ton)                                | Rs/Hr | 111.2        | 735.06         | 846.26     | 125.86      | 735.06         | 860.92     |
| PS-085 | Shotcrete Machine 5-8 cum/hr                                  | Rs/Hr | 390.35       | 2211.72        | 2602.07    | 392.2       | 2212.45        | 2604.65    |
| PS-086 | Concrete Slip form Paver 2 to 6m for Road Pavement            | Rs/Hr | 13339.14     | 14907.01       | 28246.15   | 13368.47    | 14907.01       | 28275.48   |
| PS-087 | Concrete Slip form Paver for Barrier,curbs,sidewalk up to 3 m | Rs/Hr | 5866.81      | 8552.16        | 14418.97   | 5893.94     | 8552.16        | 14446.1    |
| PR-088 | Asphalt Static Mixer 1 Cum                                    | Rs/Hr | 679.17       | 1013.26        | 1692.43    | 688.33      | 1016.47        | 1704.8     |
| PS-089 | Straight Rotary machine up to 250 mm dia with all tools       | Rs/Hr | 140.4        | 1491.23        | 1631.63    | 147.73      | 1501.42        | 1649.15    |
| PX-090 | Submersible Slug Pump with 65 ft Head                         | Rs/Hr | 15.56        | 83.8           | 99.36      | 15.66       | 83.84          | 99.5       |
| PX-091 | Tractor 80 HP   | Rs/Hr | 167.96       | 2889.6         | 3057.56    | 170.77      | 2889.6         | 3060.37    |
| PX-092 | Tractor 50 HP   | Rs/Hr | 67.61        | 1839.47        | 1907.08    | 69.12       | 1839.47        | 1908.59    |
| PX-093 | Water Tank Bowser Type 12000 Liter                            | Rs/Hr | 677.27       | 5938.5         | 6615.77    | 693.76      | 5938.5         | 6632.26    |
| PX-094 | Water Tank Tow Type 4000 Liter (Including Tractor)            | Rs/Hr | 172.47       | 1967.19        | 2139.66    | 180.41      | 1967.19        | 2147.6     |
| PX-095 | Flat Body Truck pay load upto 8 ton                           | Rs/Hr | 375.39       | 5379.68        | 5755.07    | 379.5       | 5379.68        | 5759.18    |
| PX-096 | Sedan Car 1300 cc   | Rs/Hr | 252.87       | 2107.38        | 2360.25    | 254.04      | 2107.38        | 2361.42    |
| PX-097 | Sedan Car 1000 cc   | Rs/Hr | 202.35       | 1407.39        | 1609.74    | 203.3       | 1407.39        | 1610.69    |
| PX-098 | Pickup 2800 cc 4 x 4  | Rs/Hr | 644.23       | 2622.29        | 3266.52    | 646.09      | 2622.29        | 3268.38    |
| PX-099 | Pickup 2200 cc 4 x 2  | Rs/Hr | 357.01       | 1763.16        | 2120.17    | 358.87      | 1763.16        | 2122.03    |
| PX-100 | Pickup 800 cc 4 x 2   | Rs/Hr | 101.44       | 845.68         | 947.12     | 102.03      | 845.68         | 947.71     |
| PX-101 | Jeep 1300 cc 4 x 4  | Rs/Hr | 416.43       | 1491.62        | 1908.05    | 417.16      | 1491.62        | 1908.78    |
| PX-102 | Trailer Low Bed 30 ton  | Rs/Hr | 946.42       | 6434.51        | 7380.93    | 956.09      | 6434.51        | 7390.6     |
| PX-103 | Crane up to 55 Ton  | Rs/Hr | 3052.89      | 10409.79       | 13462.68   | 3083.59     | 10409.79       | 13493.38   |
| PX-104 | Crane Upto 25 ton   | Rs/Hr | 1923.25      | 9209.8         | 11133.05   | 1947.36     | 9209.8         | 11157.16   |
| PX-105 | Electric Diaphragm Pump                                       | Rs/Hr | 29.25        | 126.09         | 155.34     | 29.71       | 126.27         | 155.98     |
| PX-106 | Sand Blasting Machine   | Rs/Hr | 309.26       | 832.68         | 1141.94    | 309.84      | 832.68         | 1142.52    |
| PX-107 | Dump Truck 30 ton (18 cum)                                    | Rs/Hr | 2037.73      | 10225.98       | 12263.71   | 2046.52     | 10225.98       | 12272.5    |
| PX-108 | Tractor with Trolley (8 ton)                                  | Rs/Hr | 165.46       | 2602.39        | 2767.85    | 167.57      | 2602.39        | 2769.96    |
| PX-109 | Welding Plant   | Rs/Hr | 2.99         | 85.77          | 88.76      | 3.08        | 85.8           | 88.88      |
| PX-110 | Generator (Diesel) 150 kVa                                    | Rs/Hr | 170.6        | 7438           | 7608.6     | 172.07      | 7438.57        | 7610.64    |
| PX-111 | Generator (Diesel) 250 kVa                                    | Rs/Hr | 304.81       | 11097.09       | 11401.9    | 306.9       | 11097.91       | 11404.81   |
| PX-112 | Diesel Tanker 25000 Liter with Pump                           | Rs/Hr | 674.82       | 7451.84        | 8126.66    | 700.47      | 7451.84        | 8152.31    |
| PX-113 | Forging /Shape Machine  | Rs/Hr | 32.04        | 546.01         | 578.05     | 32.49       | 546.01         | 578.5      |
| PX-114 | Generator (Diesel) 50 KVA                                     | Rs/Hr | 89.51        | 2673.66        | 2763.17    | 90.25       | 2673.95        | 2764.2     |
| PX-115 | Diesel Tanker 12000 Liter with Pump                           | Rs/Hr | 346.16       | 3983.83        | 4329.99    | 364.48      | 3983.83        | 4348.31    |
| PX-116 | Diesel Tanker 5000 Liter with Pump                            | Rs/Hr | 267.62       | 3050.83        | 3318.45    | 276.54      | 3050.83        | 3327.37    |
| PX-117 | Diesel Generator 20 KVA                                       | Rs/Hr | 64.85        | 2031.58        | 2096.43    | 65.34       | 2031.77        | 2097.11    |
| PX-118 | Diesel Generator 5 KVA  | Rs/Hr | 13.45        | 992.73         | 1006.18    | 13.51       | 992.76         | 1006.27    |
| PX-119 | Steel Rolling Machine   | Rs/Hr | 84.67        | 365.89         | 450.56     | 87.61       | 367.04         | 454.65     |
| PX-120 | Diesel Generator 13 KVA                                       | Rs/Hr | 63.05        | 1458.19        | 1521.24    | 63.12       | 1458.21        | 1521.33    |

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

| Codes  | Description  | Unit  | Kohistan Lower |                |            | Malakand    |                |            |
|--------|--|-------|----------------|----------------|------------|-------------|----------------|------------|
|        |  |       | 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 | 4555.8         | 10828.96       | 15384.76   | 4542.35     | 10828.96       | 15371.31   |
| PE-002 | Bulldozer-200 HP (Crawler Dozer-Track Type) with Blade Capacity 4.4 cum                      | Rs/Hr | 3044.32        | 8831.46        | 11875.78   | 3034.39     | 8831.46        | 11865.85   |
| PE-003 | Bulldozer-130 HP (Crawler Dozer-Track Type) with Blade Capacity 2.7 cum                      | Rs/Hr | 2767.01        | 6889.41        | 9656.42    | 2761.1      | 6889.41        | 9650.51    |
| PE-004 | Wheel Loader 187HP with Bucket Capacity 3.3 cum  | Rs/Hr | 3622.79        | 7305.74        | 10928.53   | 3614.99     | 7305.74        | 10920.73   |
| PE-005 | Wheel Loader 166 HP with Bucket Capacity 2.8 cum   | Rs/Hr | 2860.47        | 6344.18        | 9204.65    | 2853.97     | 6344.18        | 9198.15    |
| PE-006 | Wheel Loader 135 HP with Bucket Capacity 1.90 cum  | Rs/Hr | 2662.29        | 5304.72        | 7967.01    | 2657.15     | 5304.72        | 7961.87    |
| PE-008 | Dumper loading Capacity 18 T   | Rs/Hr | 1529.65        | 3139.69        | 4669.34    | 1523.25     | 3139.69        | 4662.94    |
| PE-009 | Dumper loading Capacity 10 T   | Rs/Hr | 903.61         | 2939.03        | 3842.64    | 899.86      | 2939.03        | 3838.89    |
| PE-010 | Excavator (Track Type) 100 HP  | Rs/Hr | 2373.47        | 7787.91        | 10161.38   | 2363.2      | 7787.91        | 10151.11   |
| PE-011 | Compressor 300 CFM   | Rs/Hr | 415.26         | 7243.66        | 7658.92    | 414.29      | 7243.66        | 7657.95    |
| PE-012 | Rock Driller -Pneumatic-plug   | Rs/Hr | 21.61          | 511.26         | 532.87     | 21.6        | 511.26         | 532.86     |
| PE-013 | Electric Saw   | Rs/Hr | 1.38           | 474.2          | 475.58     | 1.38        | 474.2          | 475.58     |
| PE-014 | Petrol Motorized Chain Saw   | Rs/Hr | 8.85           | 334.12         | 342.97     | 8.84        | 352.52         | 361.36     |
| PE-015 | Electric Breaker (Demolition Hammer)   | Rs/Hr | 15.72          | 476.52         | 492.24     | 15.7        | 476.52         | 492.22     |
| PE-016 | Plate Compactor  | Rs/Hr | 87.15          | 962.46         | 1049.61    | 86.9        | 962.36         | 1049.26    |
| PE-017 | Pugmill 40 Tons per hour   | Rs/Hr | 1538.01        | 8814.35        | 10352.36   | 1444.97     | 8814.35        | 10259.32   |
| PR-018 | Combination Roller 18 T Single drum Pad/Sheep Foot Compactor                                 | Rs/Hr | 2222.44        | 6459.03        | 8681.47    | 2216.75     | 6458.97        | 8675.72    |
| PR-019 | Combination Roller 12 T (Single drum Pad/Sheep Foot Compactor)                               | Rs/Hr | 1494.5         | 5003.79        | 6498.29    | 1488.96     | 5003.73        | 6492.69    |
| PR-020 | Combination Roller 8T (Single drum Pad/Sheep Foot Compactor)                                 | Rs/Hr | 1413.25        | 4956.36        | 6369.61    | 1408.02     | 4956.3         | 6364.32    |
| PE-021 | Excavator (Track Type) 168 HP with Bucket Capacity 0.8 cum                                   | Rs/Hr | 2606.61        | 8159.3         | 10765.91   | 2595.61     | 8159.3         | 10754.91   |
| PE-022 | Excavator (Track Type) 250 HP with Bucket Capacity 1.4 cum                                   | Rs/Hr | 2932.83        | 10839.53       | 13772.36   | 2917.89     | 10839.53       | 13757.42   |
| PE-023 | Excavator (Track Type) 345 HP with Bucket Capacity 2.2 cum                                   | Rs/Hr | 3515.29        | 13784.13       | 17299.42   | 3495.24     | 13784.13       | 17279.37   |
| PE-024 | Jack Hammer side type for Excavator (Track Type) 168 HP with Bucket Capacity 0.9 cum         | Rs/Hr | 147.28         | 453.66         | 600.94     | 145.88      | 452.42         | 598.3      |
| PE-025 | Jack Hammer side type for Excavator (Track Type) 265/340 HP with Bucket Capacity 1.6/2.3 cum | Rs/Hr | 306.26         | 595.15         | 901.41     | 303.86      | 593.02         | 896.88     |
| PS-026 | Pipe Layer with lifting weight upto 25 Ton   | Rs/Hr | 2287.01        | 8216.74        | 10503.75   | 2273.8      | 8216.74        | 10490.54   |
| PR-031 | Motor Grader 250HP with Blade length 4.32m   | Rs/Hr | 4029.74        | 9636.81        | 13666.55   | 4020.47     | 9636.81        | 13657.28   |
| PR-032 | Motor Grader 218HP with Blade length 4.32m   | Rs/Hr | 3522.69        | 7865.01        | 11387.7    | 3515.03     | 7865.01        | 11380.04   |
| PR-033 | Tandem Roller 12 T   | Rs/Hr | 1789.41        | 4644.31        | 6433.72    | 1783.89     | 4644.25        | 6428.14    |
| PR-034 | Tandem Roller 8 T  | Rs/Hr | 1282.44        | 4380.32        | 5662.76    | 1277.99     | 4380.27        | 5658.26    |
| PR-035 | Tandem Roller 6 T  | Rs/Hr | 1186.63        | 2706.68        | 3893.31    | 1182.18     | 2706.63        | 3888.81    |
| PR-036 | Tandem Roller 1.50 T   | Rs/Hr | 425.19         | 2029.42        | 2454.61    | 424.37      | 2029.4         | 2453.77    |
| PR-037 | Combination Roller 18 T Single drum Plain Compactor  | Rs/Hr | 2024.23        | 5721.6         | 7745.83    | 2018.54     | 5721.6         | 7740.14    |
| PR-038 | Combination Roller 12 T (Single drum Plain Compactor)  | Rs/Hr | 1362.36        | 4987.19        | 6349.55    | 1356.82     | 4987.13        | 6343.95    |
| PR-039 | Combination Roller 8T (Single drum Plain Compactor)  | Rs/Hr | 1288.3         | 4945.61        | 6233.91    | 1283.06     | 4945.55        | 6228.61    |
| PR-040 | P.T.R. (8 - Wheeler) 24 T  | Rs/Hr | 1466.55        | 4499.52        | 5966.07    | 1455.02     | 4499.46        | 5954.48    |
| PR-041 | P.T.R. (8 - Wheeler) 18 T  | Rs/Hr | 1370.73        | 4428.57        | 5799.3     | 1359.21     | 4428.57        | 5787.78    |
| PR-043 | Tandem Roller 10 T   | Rs/Hr | 1398.96        | 4564.33        | 5963.29    | 1394.41     | 4564.28        | 5958.69    |
| PR-044 | Power Broom  | Rs/Hr | 35.64          | 354.3          | 389.94     | 32.33       | 351.36         | 383.69     |
| PR-045 | Bitumen Dist. Tow Type 2000 Liter  | Rs/Hr | 209.55         | 1255.35        | 1464.9     | 208.3       | 1255.35        | 1463.65    |
| PR-046 | Bitumen Sprayer (Manual) 250 gallon  | Rs/Hr | 28.66          | 515.01         | 543.67     | 27.06       | 514.39         | 541.45     |
| PR-047 | Chip Spreader up to 3M Wide (attachment)   | Rs/Hr | 301.63         | 1210.68        | 1512.31    | 296.11      | 1208.52        | 1504.63    |
| PR-048 | Asphalt Plant 140 T  | Rs/Hr | 22604.83       | 29108.05       | 51712.88   | 22511.79    | 29061.53       | 51573.32   |
| PR-049 | Asphalt Plant 120 T  | Rs/Hr | 21780.2        | 26761.75       | 48541.95   | 21722.27    | 26732.78       | 48455.05   |
| PR-050 | Asphalt Plant 40 T   | Rs/Hr | 4872.69        | 12762.03       | 17634.72   | 4827.97     | 12739.67       | 17567.64   |
| PR-051 | Asphalt Plant 20 T   | Rs/Hr | 3863.84        | 6180.85        | 10044.69   | 3832.92     | 6165.39        | 9998.31    |
| PR-052 | Asphalt Paver basic width 3m,max 5.9m Wide   | Rs/Hr | 7668.61        | 13111.57       | 20780.18   | 7660.16     | 13107.34       | 20767.5    |
| PR-053 | Asphalt Paver ( width 2.4-4.7 m)   | Rs/Hr | 7267.52        | 13177.86       | 20445.38   | 7260.27     | 13174.24       | 20434.51   |
| PR-054 | Cold Milling Machine 2 M Wide  | Rs/Hr | 6033.7         | 13877.25       | 19910.95   | 6013.35     | 13877.25       | 19890.6    |
| PR-055 | Hand Push high Pressure Cold and Rubber Paint Marking Machine                                | Rs/Hr | 535.08         | 913.18         | 1448.26    | 533.68      | 913.18         | 1446.86    |
| PR-056 | Aggregate Spreader Up to 3M Wide   | Rs/Hr | 7267.52        | 13177.86       | 20445.38   | 7260.27     | 13174.24       | 20434.51   |
| PR-057 | Asphalt Cutter   | Rs/Hr | 19.92          | 482.11         | 502.03     | 19.83       | 482.11         | 501.94     |
| PR-058 | Rock Crushing & Screening (200 T/Hr)   | Rs/Hr | 10025.57       | 5505.67        | 15531.24   | 9965.55     | 5484.66        | 15450.21   |
| PR-060 | Asphalt Recycling Machine 0 to 60mm depth - 3 to 4m width  120 tons/hr                       | Rs/Hr | 36545.07       | 19446.2        | 55991.27   | 36510.57    | 19446.2        | 55956.77   |
| PR-061 | Hand Push Thermoplastic Road Marking Machine with double cylinder preheater                  | Rs/Hr | 1050.26        | 1631.09        | 2681.35    | 1038.49     | 1631.09        | 2669.58    |
| PR-062 | Cordless Drill Machine   | Rs/Hr | 1.67           | 470.19         | 471.86     | 1.67        | 470.19         | 471.86     |
| PR-063 | Crawler Rock driller   | Rs/Hr | 2539.82        | 7953.39        | 10493.21   | 2534.54     | 7953.39        | 10487.93   |
| PS-064 | Grouting Machine(electric) out put 3.6 cum/hr  | Rs/Hr | 53             | 1073.22        | 1126.22    | 52.55       | 1073.22        | 1125.77    |
| PS-065 | Hydraulic jack with pump upto 2000 Ton   | Rs/Hr | 472.01         | 1160.55        | 1632.56    | 469.01      | 1160.55        | 1629.56    |
| PR-066 | Guard Rail Pile Driver Machine   | Rs/Hr | 281.55         | 1987.09        | 2268.64    | 273.08      | 1987.09        | 2260.17    |
| PS-071 | Concrete Batching Plant 25m3/hr  | Rs/Hr | 5316.97        | 5588.3         | 10905.27   | 5304.96     | 5584.1         | 10889.06   |
| PS-072 | Concrete Static Mixer 1 Cum  | Rs/Hr | 886.67         | 1085.89        | 1972.56    | 880.67      | 1083.79        | 1964.46    |
| PS-073 | Concrete Static Mixer 1/4 Cum  | Rs/Hr | 89.52          | 969.39         | 1058.91    | 83.52       | 967.29         | 1050.81    |
| PS-074 | Concrete Transit Mixer 6 Cum   | Rs/Hr | 2423.86        | 2989.97        | 5413.83    | 2416.66     | 2989.97        | 5406.63    |
| PS-075 | Concrete Transit Mixer 4 Cum   | Rs/Hr | 1486.89        | 2602.72        | 4089.61    | 1480.89     | 2602.72        | 4083.61    |
| PS-076 | Stressing Equipment for 6500 KN force with electric power                                    | Rs/Hr | 221.58         | 1124.72        | 1346.3     | 220.35      | 1124.72        | 1345.07    |
| PS-077 | Concrete Cutter  | Rs/Hr | 19.92          | 482.11         | 502.03     | 19.83       | 482.11         | 501.94     |
| PS-078 | Piling Rig (dia up to 1m)  | Rs/Hr | 13822.47       | 16174.88       | 29997.35   | 13630.39    | 16078.84       | 29709.23   |
| PS-079 | Piling Rig (Dia 1m to 2m)  | Rs/Hr | 29174.66       | 28826.48       | 58001.14   | 29091.58    | 28784.94       | 57876.52   |

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

| Codes  | Description   | Unit  | Kohistan Lower |                |            | Malakand    |                |            |
|--------|---|-------|----------------|----------------|------------|-------------|----------------|------------|
|        |   |       | Owning Cost    | Operating Cost | Total Cost | Owning Cost | Operating Cost | Total Cost |
| PS-080 | Vibrator (Poker 1.5 ")  | Rs/Hr | 4.51           | 560.17         | 564.68     | 4.5         | 560.17         | 564.67     |
| PS-081 | Percussion Boring Rig (Diesel)                                | Rs/Hr | 2709.79        | 10212.72       | 12922.51   | 2661.77     | 10188.71       | 12850.48   |
| PS-082 | Concrete Pump 33 m with tuck chassis                          | Rs/Hr | 3078.13        | 16356.46       | 19434.59   | 2967.68     | 16301.24       | 19268.92   |
| PS-083 | Girder Launcher (Erecting Capacity max 200 ton)               | Rs/Hr | 7207.84        | 5200.17        | 12408.01   | 7051.61     | 5139.24        | 12190.85   |
| PS-084 | Tripod & Chain Pulley (20 Ton)                                | Rs/Hr | 132.21         | 735.06         | 867.27     | 122.61      | 735.06         | 857.67     |
| PS-085 | Shotcrete Machine 5-8 cum/hr                                  | Rs/Hr | 393.01         | 2212.76        | 2605.77    | 391.79      | 2212.29        | 2604.08    |
| PS-086 | Concrete Slip form Paver 2 to 6m for Road Pavement            | Rs/Hr | 13381.17       | 14907.01       | 28288.18   | 13361.96    | 14907.01       | 28268.97   |
| PS-087 | Concrete Slip form Paver for Barrier,curbs,sidewalk up to 3 m | Rs/Hr | 5905.69        | 8552.16        | 14457.85   | 5887.92     | 8552.16        | 14440.08   |
| PR-088 | Asphalt Static Mixer 1 Cum                                    | Rs/Hr | 692.3          | 1017.86        | 1710.16    | 686.3       | 1015.76        | 1702.06    |
| PS-089 | Straight Rotary machine up to 250 mm dia with all tools       | Rs/Hr | 150.91         | 1505.84        | 1656.75    | 146.1       | 1499.16        | 1645.26    |
| PX-090 | Submersible Slug Pump with 65 ft Head                         | Rs/Hr | 15.7           | 83.86          | 99.56      | 15.64       | 83.83          | 99.47      |
| PX-091 | Tractor 80 HP   | Rs/Hr | 171.98         | 2889.6         | 3061.58    | 170.14      | 2889.6         | 3059.74    |
| PX-092 | Tractor 50 HP   | Rs/Hr | 69.78          | 1839.47        | 1909.25    | 68.79       | 1839.47        | 1908.26    |
| PX-093 | Water Tank Bowser Type 12000 Liter                            | Rs/Hr | 700.91         | 5938.5         | 6639.41    | 690.1       | 5938.5         | 6628.6     |
| PX-094 | Water Tank Tow Type 4000 Liter (Including Tractor)            | Rs/Hr | 183.84         | 1967.19        | 2151.03    | 178.65      | 1967.19        | 2145.84    |
| PX-095 | Flat Body Truck pay load upto 8 ton                           | Rs/Hr | 381.28         | 5379.68        | 5760.96    | 378.59      | 5379.68        | 5758.27    |
| PX-096 | Sedan Car 1300 cc   | Rs/Hr | 254.55         | 2107.38        | 2361.93    | 253.78      | 2107.38        | 2361.16    |
| PX-097 | Sedan Car 1000 cc   | Rs/Hr | 203.71         | 1407.39        | 1611.1     | 203.09      | 1407.39        | 1610.48    |
| PX-098 | Pickup 2800 cc 4 x 4  | Rs/Hr | 646.9          | 2622.29        | 3269.19    | 645.68      | 2622.29        | 3267.97    |
| PX-099 | Pickup 2200 cc 4 x 2  | Rs/Hr | 359.68         | 1763.16        | 2122.84    | 358.46      | 1763.16        | 2121.62    |
| PX-100 | Pickup 800 cc 4 x 2   | Rs/Hr | 102.29         | 845.68         | 947.97     | 101.9       | 845.68         | 947.58     |
| PX-101 | Jeep 1300 cc 4 x 4  | Rs/Hr | 417.48         | 1491.62        | 1909.1     | 417         | 1491.62        | 1908.62    |
| PX-102 | Trailer Low Bed 30 ton  | Rs/Hr | 960.28         | 6434.51        | 7394.79    | 953.94      | 6434.51        | 7388.45    |
| PX-103 | Crane up to 55 Ton  | Rs/Hr | 3096.89        | 10409.79       | 13506.68   | 3076.78     | 10409.79       | 13486.57   |
| PX-104 | Crane Upto 25 ton   | Rs/Hr | 1957.8         | 9209.8         | 11167.6    | 1942.01     | 9209.8         | 11151.81   |
| PX-105 | Electric Diaphragm Pump                                       | Rs/Hr | 29.91          | 126.34         | 156.25     | 29.61       | 126.23         | 155.84     |
| PX-106 | Sand Blasting Machine   | Rs/Hr | 310.09         | 832.68         | 1142.77    | 309.71      | 832.68         | 1142.39    |
| PX-107 | Dump Truck 30 ton (18 cum)                                    | Rs/Hr | 2050.34        | 10225.98       | 12276.32   | 2044.57     | 10225.98       | 12270.55   |
| PX-108 | Tractor with Trolley (8 ton)                                  | Rs/Hr | 168.48         | 2602.39        | 2770.87    | 167.1       | 2602.39        | 2769.49    |
| PX-109 | Welding Plant   | Rs/Hr | 3.11           | 85.81          | 88.92      | 3.06        | 85.79          | 88.85      |
| PX-110 | Generator (Diesel) 150 kVa                                    | Rs/Hr | 172.71         | 7438.82        | 7611.53    | 171.75      | 7438.45        | 7610.2     |
| PX-111 | Generator (Diesel) 250 kVa                                    | Rs/Hr | 307.81         | 11098.26       | 11406.07   | 306.44      | 11097.73       | 11404.17   |
| PX-112 | Diesel Tanker 25000 Liter with Pump                           | Rs/Hr | 711.59         | 7451.84        | 8163.43    | 694.78      | 7451.84        | 8146.62    |
| PX-113 | Forging /Shape Machine  | Rs/Hr | 32.69          | 546.01         | 578.7      | 32.39       | 546.01         | 578.4      |
| PX-114 | Generator (Diesel) 50 KVA                                     | Rs/Hr | 90.57          | 2674.08        | 2764.65    | 90.09       | 2673.89        | 2763.98    |
| PX-115 | Diesel Tanker 12000 Liter with Pump                           | Rs/Hr | 372.42         | 3983.83        | 4356.25    | 360.42      | 3983.83        | 4344.25    |
| PX-116 | Diesel Tanker 5000 Liter with Pump                            | Rs/Hr | 280.4          | 3050.83        | 3331.23    | 274.56      | 3050.83        | 3325.39    |
| PX-117 | Diesel Generator 20 KVA                                       | Rs/Hr | 65.56          | 2031.85        | 2097.41    | 65.23       | 2031.72        | 2096.95    |
| PX-118 | Diesel Generator 5 KVA  | Rs/Hr | 13.54          | 992.77         | 1006.31    | 13.5        | 992.75         | 1006.25    |
| PX-119 | Steel Rolling Machine   | Rs/Hr | 88.88          | 367.54         | 456.42     | 86.95       | 366.78         | 453.73     |
| PX-120 | Diesel Generator 13 KVA                                       | Rs/Hr | 63.15          | 1458.23        | 1521.38    | 63.11       | 1458.21        | 1521.32    |



## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

| Codes  | Description  | Unit  | Mansehra    |                |            | Mardan      |                |            |
|--------|--|-------|-------------|----------------|------------|-------------|----------------|------------|
|        |  |       | 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 | 4546.85     | 10828.96       | 15375.81   | 4539.72     | 10828.96       | 15368.68   |
| PE-002 | Bulldozer-200 HP (Crawler Dozer-Track Type) with Blade Capacity 4.4 cum                      | Rs/Hr | 3037.71     | 8831.46        | 11869.17   | 3032.45     | 8831.46        | 11863.91   |
| PE-003 | Bulldozer-130 HP (Crawler Dozer-Track Type) with Blade Capacity 2.7 cum                      | Rs/Hr | 2763.08     | 6889.41        | 9652.49    | 2759.94     | 6889.41        | 9649.35    |
| PE-004 | Wheel Loader 187HP with Bucket Capacity 3.3 cum  | Rs/Hr | 3617.6      | 7305.74        | 10923.34   | 3613.46     | 7305.74        | 10919.2    |
| PE-005 | Wheel Loader 166 HP with Bucket Capacity 2.8 cum   | Rs/Hr | 2856.15     | 6344.18        | 9200.33    | 2852.7      | 6344.18        | 9196.88    |
| PE-006 | Wheel Loader 135 HP with Bucket Capacity 1.90 cum  | Rs/Hr | 2658.87     | 5304.72        | 7963.59    | 2656.15     | 5304.72        | 7960.87    |
| PE-008 | Dumper loading Capacity 18 T   | Rs/Hr | 1525.39     | 3139.69        | 4665.08    | 1522        | 3139.69        | 4661.69    |
| PE-009 | Dumper loading Capacity 10 T   | Rs/Hr | 901.11      | 2939.03        | 3840.14    | 899.13      | 2939.03        | 3838.16    |
| PE-010 | Excavator (Track Type) 100 HP  | Rs/Hr | 2366.64     | 7787.91        | 10154.55   | 2361.19     | 7787.91        | 10149.1    |
| PE-011 | Compressor 300 CFM   | Rs/Hr | 414.61      | 7243.66        | 7658.27    | 414.1       | 7243.66        | 7657.76    |
| PE-012 | Rock Driller -Pneumatic-plug   | Rs/Hr | 21.6        | 511.26         | 532.86     | 21.6        | 511.26         | 532.86     |
| PE-013 | Electric Saw   | Rs/Hr | 1.38        | 474.2          | 475.58     | 1.38        | 474.2          | 475.58     |
| PE-014 | Petrol Motorized Chain Saw   | Rs/Hr | 8.84        | 382.04         | 390.88     | 8.84        | 334.94         | 343.78     |
| PE-015 | Electric Breaker (Demolition Hammer)   | Rs/Hr | 15.71       | 476.52         | 492.23     | 15.7        | 476.52         | 492.22     |
| PE-016 | Plate Compactor  | Rs/Hr | 86.98       | 962.39         | 1049.37    | 86.85       | 962.34         | 1049.19    |
| PE-017 | Pugmill 40 Tons per hour   | Rs/Hr | 1476.11     | 8814.35        | 10290.46   | 1426.75     | 8814.35        | 10241.1    |
| PR-018 | Combination Roller 18 T Single drum Pad/Sheep Foot Compactor                                 | Rs/Hr | 2218.65     | 6458.99        | 8677.64    | 2215.63     | 6458.96        | 8674.59    |
| PR-019 | Combination Roller 12 T (Single drum Pad/Sheep Foot Compactor)                               | Rs/Hr | 1490.82     | 5003.75        | 6494.57    | 1487.88     | 5003.72        | 6491.6     |
| PR-020 | Combination Roller 8T (Single drum Pad/Sheep Foot Compactor)                                 | Rs/Hr | 1409.77     | 4956.32        | 6366.09    | 1406.99     | 4956.29        | 6363.28    |
| PE-021 | Excavator (Track Type) 168 HP with Bucket Capacity 0.8 cum                                   | Rs/Hr | 2599.29     | 8159.3         | 10758.59   | 2593.45     | 8159.3         | 10752.75   |
| PE-022 | Excavator (Track Type) 250 HP with Bucket Capacity 1.4 cum                                   | Rs/Hr | 2922.89     | 10839.53       | 13762.42   | 2914.97     | 10839.53       | 13754.5    |
| PE-023 | Excavator (Track Type) 345 HP with Bucket Capacity 2.2 cum                                   | Rs/Hr | 3501.95     | 13784.13       | 17286.08   | 3491.32     | 13784.13       | 17275.45   |
| PE-024 | Jack Hammer side type for Excavator (Track Type) 168 HP with Bucket Capacity 0.9 cum         | Rs/Hr | 146.34      | 452.82         | 599.16     | 145.6       | 452.17         | 597.77     |
| PE-025 | Jack Hammer side type for Excavator (Track Type) 265/340 HP with Bucket Capacity 1.6/2.3 cum | Rs/Hr | 304.66      | 593.73         | 898.39     | 303.39      | 592.6          | 895.99     |
| PS-026 | Pipe Layer with lifting weight upto 25 Ton   | Rs/Hr | 2278.22     | 8216.74        | 10494.96   | 2271.22     | 8216.74        | 10487.96   |
| PR-031 | Motor Grader 250HP with Blade length 4.32m   | Rs/Hr | 4023.58     | 9636.81        | 13660.39   | 4018.66     | 9636.81        | 13655.47   |
| PR-032 | Motor Grader 218HP with Blade length 4.32m   | Rs/Hr | 3517.6      | 7865.01        | 11382.61   | 3513.53     | 7865.01        | 11378.54   |
| PR-033 | Tandem Roller 12 T   | Rs/Hr | 1785.74     | 4644.27        | 6430.01    | 1782.81     | 4644.24        | 6427.05    |
| PR-034 | Tandem Roller 8 T  | Rs/Hr | 1279.48     | 4380.28        | 5659.76    | 1277.12     | 4380.26        | 5657.38    |
| PR-035 | Tandem Roller 6 T  | Rs/Hr | 1183.67     | 2706.65        | 3890.32    | 1181.31     | 2706.62        | 3887.93    |
| PR-036 | Tandem Roller 1.50 T   | Rs/Hr | 424.64      | 2029.41        | 2454.05    | 424.21      | 2029.4         | 2453.61    |
| PR-037 | Combination Roller 18 T Single drum Plain Compactor  | Rs/Hr | 2020.44     | 5721.6         | 7742.04    | 2017.42     | 5721.6         | 7739.02    |
| PR-038 | Combination Roller 12 T (Single drum Plain Compactor)  | Rs/Hr | 1358.68     | 4987.15        | 6345.83    | 1355.74     | 4987.12        | 6342.86    |
| PR-039 | Combination Roller 8T (Single drum Plain Compactor)  | Rs/Hr | 1284.81     | 4945.57        | 6230.38    | 1282.03     | 4945.54        | 6227.57    |
| PR-040 | P.T.R. (8 - Wheeler) 24 T  | Rs/Hr | 1458.88     | 4499.48        | 5958.36    | 1452.76     | 4499.45        | 5952.21    |
| PR-041 | P.T.R. (8 - Wheeler) 18 T  | Rs/Hr | 1363.07     | 4428.57        | 5791.64    | 1356.95     | 4428.57        | 5785.52    |
| PR-043 | Tandem Roller 10 T   | Rs/Hr | 1395.93     | 4564.3         | 5960.23    | 1393.52     | 4564.27        | 5957.79    |
| PR-044 | Power Broom  | Rs/Hr | 33.44       | 352.34         | 385.78     | 31.69       | 350.79         | 382.48     |
| PR-045 | Bitumen Dist. Tow Type 2000 Liter  | Rs/Hr | 208.72      | 1255.35        | 1464.07    | 208.06      | 1255.35        | 1463.41    |
| PR-046 | Bitumen Sprayer (Manual) 250 gallon  | Rs/Hr | 27.59       | 514.59         | 542.18     | 26.75       | 514.27         | 541.02     |
| PR-047 | Chip Spreader up to 3M Wide (attachment)   | Rs/Hr | 297.96      | 1209.25        | 1507.21    | 295.03      | 1208.1         | 1503.13    |
| PR-048 | Asphalt Plant 140 T  | Rs/Hr | 22542.93    | 29077.1        | 51620.03   | 22493.56    | 29052.41       | 51545.97   |
| PR-049 | Asphalt Plant 120 T  | Rs/Hr | 21741.66    | 26742.48       | 48484.14   | 21710.92    | 26727.11       | 48438.03   |
| PR-050 | Asphalt Plant 40 T   | Rs/Hr | 4842.94     | 12747.16       | 17590.1    | 4819.21     | 12735.29       | 17554.5    |
| PR-051 | Asphalt Plant 20 T   | Rs/Hr | 3843.27     | 6170.57        | 10013.84   | 3826.87     | 6162.37        | 9989.24    |
| PR-052 | Asphalt Paver basic width 3m,max 5.9m Wide   | Rs/Hr | 7662.99     | 13108.76       | 20771.75   | 7658.5      | 13106.51       | 20765.01   |
| PR-053 | Asphalt Paver ( width 2.4-4.7 m)   | Rs/Hr | 7262.69     | 13175.45       | 20438.14   | 7258.85     | 13173.53       | 20432.38   |
| PR-054 | Cold Milling Machine 2 M Wide  | Rs/Hr | 6020.16     | 13877.25       | 19897.41   | 6009.37     | 13877.25       | 19886.62   |
| PR-055 | Hand Push high Pressure Cold and Rubber Paint Marking Machine                                | Rs/Hr | 534.15      | 913.18         | 1447.33    | 533.41      | 913.18         | 1446.59    |
| PR-056 | Aggregate Spreader Up to 3M Wide   | Rs/Hr | 7262.69     | 13175.45       | 20438.14   | 7258.85     | 13173.53       | 20432.38   |
| PR-057 | Asphalt Cutter   | Rs/Hr | 19.86       | 482.11         | 501.97     | 19.81       | 482.11         | 501.92     |
| PR-058 | Rock Crushing & Screening (200 T/Hr)   | Rs/Hr | 9985.64     | 5491.69        | 15477.33   | 9953.79     | 5480.55        | 15434.34   |
| PR-060 | Asphalt Recycling Machine 0 to 60mm depth - 3 to 4m width  120 tons/hr                       | Rs/Hr | 36522.12    | 19446.2        | 55968.32   | 36503.81    | 19446.2        | 55950.01   |
| PR-061 | Hand Push Thermoplastic Road Marking Machine with double cylinder preheater                  | Rs/Hr | 1042.43     | 1631.09        | 2673.52    | 1036.18     | 1631.09        | 2667.27    |
| PR-062 | Cordless Drill Machine   | Rs/Hr | 1.67        | 470.19         | 471.86     | 1.67        | 470.19         | 471.86     |
| PR-063 | Crawler Rock driller   | Rs/Hr | 2536.3      | 7953.39        | 10489.69   | 2533.5      | 7953.39        | 10486.89   |
| PS-064 | Grouting Machine(electric) out put 3.6 cum/hr  | Rs/Hr | 52.7        | 1073.22        | 1125.92    | 52.46       | 1073.22        | 1125.68    |
| PS-065 | Hydraulic jack with pump upto 2000 Ton   | Rs/Hr | 470.02      | 1160.55        | 1630.57    | 468.42      | 1160.55        | 1628.97    |
| PR-066 | Guard Rail Pile Driver Machine   | Rs/Hr | 275.92      | 1987.09        | 2263.01    | 271.43      | 1987.09        | 2258.52    |
| PS-071 | Concrete Batching Plant 25m3/hr  | Rs/Hr | 5308.98     | 5585.51        | 10894.49   | 5302.61     | 5583.28        | 10885.89   |
| PS-072 | Concrete Static Mixer 1 Cum  | Rs/Hr | 882.68      | 1084.49        | 1967.17    | 879.49      | 1083.37        | 1962.86    |
| PS-073 | Concrete Static Mixer 1/4 Cum  | Rs/Hr | 85.53       | 968            | 1053.53    | 82.34       | 966.88         | 1049.22    |
| PS-074 | Concrete Transit Mixer 6 Cum   | Rs/Hr | 2419.07     | 2989.97        | 5409.04    | 2415.25     | 2989.97        | 5405.22    |
| PS-075 | Concrete Transit Mixer 4 Cum   | Rs/Hr | 1482.9      | 2602.72        | 4085.62    | 1479.71     | 2602.72        | 4082.43    |
| PS-076 | Stressing Equipment for 6500 KN force with electric power                                    | Rs/Hr | 220.76      | 1124.72        | 1345.48    | 220.12      | 1124.72        | 1344.84    |
| PS-077 | Concrete Cutter  | Rs/Hr | 19.86       | 482.11         | 501.97     | 19.81       | 482.11         | 501.92     |
| PS-078 | Piling Rig (dia up to 1m)  | Rs/Hr | 13694.68    | 16110.98       | 29805.66   | 13592.76    | 16060.02       | 29652.78   |
| PS-079 | Piling Rig (Dia 1m to 2m)  | Rs/Hr | 29119.39    | 28798.85       | 57918.24   | 29075.31    | 28776.81       | 57852.12   |

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

| Codes  | Description   | Unit  | Mansehra    |                |            | Mardan      |                |            |
|--------|---|-------|-------------|----------------|------------|-------------|----------------|------------|
|        |   |       | Owning Cost | Operating Cost | Total Cost | Owning Cost | Operating Cost | Total Cost |
| PS-080 | Vibrator (Poker 1.5 ")  | Rs/Hr | 4.5         | 560.17         | 564.67     | 4.5         | 560.17         | 564.67     |
| PS-081 | Percussion Boring Rig (Diesel)                                | Rs/Hr | 2677.84     | 10196.74       | 12874.58   | 2652.36     | 10184          | 12836.36   |
| PS-082 | Concrete Pump 33 m with tuck chassis                          | Rs/Hr | 3004.65     | 16319.72       | 19324.37   | 2946.04     | 16290.42       | 19236.46   |
| PS-083 | Girder Launcher (Erecting Capacity max 200 ton)               | Rs/Hr | 7103.9      | 5159.64        | 12263.54   | 7021.01     | 5127.31        | 12148.32   |
| PS-084 | Tripod & Chain Pulley (20 Ton)                                | Rs/Hr | 125.82      | 735.06         | 860.88     | 120.73      | 735.06         | 855.79     |
| PS-085 | Shotcrete Machine 5-8 cum/hr                                  | Rs/Hr | 392.2       | 2212.45        | 2604.65    | 391.56      | 2212.2         | 2603.76    |
| PS-086 | Concrete Slip form Paver 2 to 6m for Road Pavement            | Rs/Hr | 13368.39    | 14907.01       | 28275.4    | 13358.2     | 14907.01       | 28265.21   |
| PS-087 | Concrete Slip form Paver for Barrier,curbs,sidewalk up to 3 m | Rs/Hr | 5893.86     | 8552.16        | 14446.02   | 5884.44     | 8552.16        | 14436.6    |
| PR-088 | Asphalt Static Mixer 1 Cum                                    | Rs/Hr | 688.31      | 1016.46        | 1704.77    | 685.13      | 1015.35        | 1700.48    |
| PS-089 | Straight Rotary machine up to 250 mm dia with all tools       | Rs/Hr | 147.71      | 1501.39        | 1649.1     | 145.16      | 1497.85        | 1643.01    |
| PX-090 | Submersible Slug Pump with 65 ft Head                         | Rs/Hr | 15.66       | 83.84          | 99.5       | 15.62       | 83.83          | 99.45      |
| PX-091 | Tractor 80 HP   | Rs/Hr | 170.76      | 2889.6         | 3060.36    | 169.78      | 2889.6         | 3059.38    |
| PX-092 | Tractor 50 HP   | Rs/Hr | 69.12       | 1839.47        | 1908.59    | 68.59       | 1839.47        | 1908.06    |
| PX-093 | Water Tank Bowser Type 12000 Liter                            | Rs/Hr | 693.72      | 5938.5         | 6632.22    | 687.99      | 5938.5         | 6626.49    |
| PX-094 | Water Tank Tow Type 4000 Liter (Including Tractor)            | Rs/Hr | 180.39      | 1967.19        | 2147.58    | 177.63      | 1967.19        | 2144.82    |
| PX-095 | Flat Body Truck pay load upto 8 ton                           | Rs/Hr | 379.49      | 5379.68        | 5759.17    | 378.06      | 5379.68        | 5757.74    |
| PX-096 | Sedan Car 1300 cc   | Rs/Hr | 254.04      | 2107.38        | 2361.42    | 253.63      | 2107.38        | 2361.01    |
| PX-097 | Sedan Car 1000 cc   | Rs/Hr | 203.3       | 1407.39        | 1610.69    | 202.97      | 1407.39        | 1610.36    |
| PX-098 | Pickup 2800 cc 4 x 4  | Rs/Hr | 646.09      | 2622.29        | 3268.38    | 645.44      | 2622.29        | 3267.73    |
| PX-099 | Pickup 2200 cc 4 x 2  | Rs/Hr | 358.87      | 1763.16        | 2122.03    | 358.22      | 1763.16        | 2121.38    |
| PX-100 | Pickup 800 cc 4 x 2   | Rs/Hr | 102.03      | 845.68         | 947.71     | 101.83      | 845.68         | 947.51     |
| PX-101 | Jeep 1300 cc 4 x 4  | Rs/Hr | 417.16      | 1491.62        | 1908.78    | 416.91      | 1491.62        | 1908.53    |
| PX-102 | Trailer Low Bed 30 ton  | Rs/Hr | 956.07      | 6434.51        | 7390.58    | 952.7       | 6434.51        | 7387.21    |
| PX-103 | Crane up to 55 Ton  | Rs/Hr | 3083.51     | 10409.79       | 13493.3    | 3072.84     | 10409.79       | 13482.63   |
| PX-104 | Crane Upto 25 ton   | Rs/Hr | 1947.3      | 9209.8         | 11157.1    | 1938.92     | 9209.8         | 11148.72   |
| PX-105 | Electric Diaphragm Pump                                       | Rs/Hr | 29.71       | 126.27         | 155.98     | 29.55       | 126.2          | 155.75     |
| PX-106 | Sand Blasting Machine   | Rs/Hr | 309.84      | 832.68         | 1142.52    | 309.64      | 832.68         | 1142.32    |
| PX-107 | Dump Truck 30 ton (18 cum)                                    | Rs/Hr | 2046.5      | 10225.98       | 12272.48   | 2043.44     | 10225.98       | 12269.42   |
| PX-108 | Tractor with Trolley (8 ton)                                  | Rs/Hr | 167.56      | 2602.39        | 2769.95    | 166.83      | 2602.39        | 2769.22    |
| PX-109 | Welding Plant   | Rs/Hr | 3.08        | 85.8           | 88.88      | 3.05        | 85.79          | 88.84      |
| PX-110 | Generator (Diesel) 150 kVa                                    | Rs/Hr | 172.07      | 7438.57        | 7610.64    | 171.56      | 7438.37        | 7609.93    |
| PX-111 | Generator (Diesel) 250 kVa                                    | Rs/Hr | 306.9       | 11097.91       | 11404.81   | 306.17      | 11097.62       | 11403.79   |
| PX-112 | Diesel Tanker 25000 Liter with Pump                           | Rs/Hr | 700.41      | 7451.84        | 8152.25    | 691.49      | 7451.84        | 8143.33    |
| PX-113 | Forging /Shape Machine  | Rs/Hr | 32.49       | 546.01         | 578.5      | 32.33       | 546.01         | 578.34     |
| PX-114 | Generator (Diesel) 50 KVA                                     | Rs/Hr | 90.25       | 2673.95        | 2764.2     | 89.99       | 2673.85        | 2763.84    |
| PX-115 | Diesel Tanker 12000 Liter with Pump                           | Rs/Hr | 364.43      | 3983.83        | 4348.26    | 358.06      | 3983.83        | 4341.89    |
| PX-116 | Diesel Tanker 5000 Liter with Pump                            | Rs/Hr | 276.52      | 3050.83        | 3327.35    | 273.42      | 3050.83        | 3324.25    |
| PX-117 | Diesel Generator 20 KVA                                       | Rs/Hr | 65.34       | 2031.77        | 2097.11    | 65.17       | 2031.7         | 2096.87    |
| PX-118 | Diesel Generator 5 KVA  | Rs/Hr | 13.51       | 992.76         | 1006.27    | 13.49       | 992.75         | 1006.24    |
| PX-119 | Steel Rolling Machine   | Rs/Hr | 87.6        | 367.04         | 454.64     | 86.58       | 366.64         | 453.22     |
| PX-120 | Diesel Generator 13 KVA                                       | Rs/Hr | 63.12       | 1458.21        | 1521.33    | 63.1        | 1458.21        | 1521.31    |

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

| Codes  | Description  | Unit  | Mohmand Agency |                |            | North Waziristan |                |            |
|--------|--|-------|----------------|----------------|------------|------------------|----------------|------------|
|        |  |       | 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 | 4549.18        | 10828.96       | 15378.14   | 4539.8           | 10828.96       | 15368.76   |
| PE-002 | Bulldozer-200 HP (Crawler Dozer-Track Type) with Blade Capacity 4.4 cum                      | Rs/Hr | 3039.43        | 8831.46        | 11870.89   | 3032.51          | 8831.46        | 11863.97   |
| PE-003 | Bulldozer-130 HP (Crawler Dozer-Track Type) with Blade Capacity 2.7 cum                      | Rs/Hr | 2764.1         | 6889.41        | 9653.51    | 2759.98          | 6889.41        | 9649.39    |
| PE-004 | Wheel Loader 187HP with Bucket Capacity 3.3 cum  | Rs/Hr | 3618.95        | 7305.74        | 10924.69   | 3613.51          | 7305.74        | 10919.25   |
| PE-005 | Wheel Loader 166 HP with Bucket Capacity 2.8 cum   | Rs/Hr | 2857.27        | 6344.18        | 9201.45    | 2852.74          | 6344.18        | 9196.92    |
| PE-006 | Wheel Loader 135 HP with Bucket Capacity 1.90 cum  | Rs/Hr | 2659.76        | 5304.72        | 7964.48    | 2656.18          | 5304.72        | 7960.9     |
| PE-008 | Dumper loading Capacity 18 T   | Rs/Hr | 1526.5         | 3139.69        | 4666.19    | 1522.04          | 3139.69        | 4661.73    |
| PE-009 | Dumper loading Capacity 10 T   | Rs/Hr | 901.76         | 2939.03        | 3840.79    | 899.15           | 2939.03        | 3838.18    |
| PE-010 | Excavator (Track Type) 100 HP  | Rs/Hr | 2368.42        | 7787.91        | 10156.33   | 2361.25          | 7787.91        | 10149.16   |
| PE-011 | Compressor 300 CFM   | Rs/Hr | 414.78         | 7243.66        | 7658.44    | 414.1            | 7243.66        | 7657.76    |
| PE-012 | Rock Driller -Pneumatic-plug   | Rs/Hr | 21.61          | 511.26         | 532.87     | 21.6             | 511.26         | 532.86     |
| PE-013 | Electric Saw   | Rs/Hr | 1.38           | 474.2          | 475.58     | 1.38             | 474.2          | 475.58     |
| PE-014 | Petrol Motorized Chain Saw   | Rs/Hr | 8.85           | 339.71         | 348.56     | 8.84             | 360.92         | 369.76     |
| PE-015 | Electric Breaker (Demolition Hammer)   | Rs/Hr | 15.71          | 476.52         | 492.23     | 15.7             | 476.52         | 492.22     |
| PE-016 | Plate Compactor  | Rs/Hr | 87.03          | 962.41         | 1049.44    | 86.85            | 962.34         | 1049.19    |
| PE-017 | Pugmill 40 Tons per hour   | Rs/Hr | 1492.24        | 8814.35        | 10306.59   | 1427.34          | 8814.35        | 10241.69   |
| PR-018 | Combination Roller 18 T Single drum Pad/Sheep Foot Compactor                                 | Rs/Hr | 2219.64        | 6459           | 8678.64    | 2215.67          | 6458.96        | 8674.63    |
| PR-019 | Combination Roller 12 T (Single drum Pad/Sheep Foot Compactor)                               | Rs/Hr | 1491.78        | 5003.76        | 6495.54    | 1487.92          | 5003.72        | 6491.64    |
| PR-020 | Combination Roller 8T (Single drum Pad/Sheep Foot Compactor)                                 | Rs/Hr | 1410.68        | 4956.33        | 6367.01    | 1407.02          | 4956.29        | 6363.31    |
| PE-021 | Excavator (Track Type) 168 HP with Bucket Capacity 0.8 cum                                   | Rs/Hr | 2601.2         | 8159.3         | 10760.5    | 2593.52          | 8159.3         | 10752.82   |
| PE-022 | Excavator (Track Type) 250 HP with Bucket Capacity 1.4 cum                                   | Rs/Hr | 2925.48        | 10839.53       | 13765.01   | 2915.06          | 10839.53       | 13754.59   |
| PE-023 | Excavator (Track Type) 345 HP with Bucket Capacity 2.2 cum                                   | Rs/Hr | 3505.43        | 13784.13       | 17289.56   | 3491.44          | 13784.13       | 17275.57   |
| PE-024 | Jack Hammer side type for Excavator (Track Type) 168 HP with Bucket Capacity 0.9 cum         | Rs/Hr | 146.59         | 453.05         | 599.64     | 145.61           | 452.17         | 597.78     |
| PE-025 | Jack Hammer side type for Excavator (Track Type) 265/340 HP with Bucket Capacity 1.6/2.3 cum | Rs/Hr | 305.08         | 594.1          | 899.18     | 303.4            | 592.61         | 896.01     |
| PS-026 | Pipe Layer with lifting weight upto 25 Ton   | Rs/Hr | 2280.51        | 8216.74        | 10497.25   | 2271.3           | 8216.74        | 10488.04   |
| PR-031 | Motor Grader 250HP with Blade length 4.32m   | Rs/Hr | 4025.18        | 9636.81        | 13661.99   | 4018.72          | 9636.81        | 13655.53   |
| PR-032 | Motor Grader 218HP with Blade length 4.32m   | Rs/Hr | 3518.93        | 7865.01        | 11383.94   | 3513.58          | 7865.01        | 11378.59   |
| PR-033 | Tandem Roller 12 T   | Rs/Hr | 1786.7         | 4644.28        | 6430.98    | 1782.85          | 4644.24        | 6427.09    |
| PR-034 | Tandem Roller 8 T  | Rs/Hr | 1280.25        | 4380.29        | 5660.54    | 1277.15          | 4380.26        | 5657.41    |
| PR-035 | Tandem Roller 6 T  | Rs/Hr | 1184.44        | 2706.66        | 3891.1     | 1181.34          | 2706.62        | 3887.96    |
| PR-036 | Tandem Roller 1.50 T   | Rs/Hr | 424.79         | 2029.41        | 2454.2     | 424.22           | 2029.4         | 2453.62    |
| PR-037 | Combination Roller 18 T Single drum Plain Compactor  | Rs/Hr | 2021.43        | 5721.6         | 7743.03    | 2017.46          | 5721.6         | 7739.06    |
| PR-038 | Combination Roller 12 T (Single drum Plain Compactor)  | Rs/Hr | 1359.64        | 4987.16        | 6346.8     | 1355.78          | 4987.12        | 6342.9     |
| PR-039 | Combination Roller 8T (Single drum Plain Compactor)  | Rs/Hr | 1285.72        | 4945.58        | 6231.3     | 1282.07          | 4945.54        | 6227.61    |
| PR-040 | P.T.R. (8 - Wheeler) 24 T  | Rs/Hr | 1460.87        | 4499.49        | 5960.36    | 1452.84          | 4499.45        | 5952.29    |
| PR-041 | P.T.R. (8 - Wheeler) 18 T  | Rs/Hr | 1365.06        | 4428.57        | 5793.63    | 1357.02          | 4428.57        | 5785.59    |
| PR-043 | Tandem Roller 10 T   | Rs/Hr | 1396.72        | 4564.31        | 5961.03    | 1393.55          | 4564.27        | 5957.82    |
| PR-044 | Power Broom  | Rs/Hr | 34.01          | 352.85         | 386.86     | 31.71            | 350.8          | 382.51     |
| PR-045 | Bitumen Dist. Tow Type 2000 Liter  | Rs/Hr | 208.94         | 1255.35        | 1464.29    | 208.07           | 1255.35        | 1463.42    |
| PR-046 | Bitumen Sprayer (Manual) 250 gallon  | Rs/Hr | 27.87          | 514.7          | 542.57     | 26.76            | 514.27         | 541.03     |
| PR-047 | Chip Spreader up to 3M Wide (attachment)   | Rs/Hr | 298.91         | 1209.62        | 1508.53    | 295.06           | 1208.12        | 1503.18    |
| PR-048 | Asphalt Plant 140 T  | Rs/Hr | 22559.05       | 29085.16       | 51644.21   | 22494.15         | 29052.71       | 51546.86   |
| PR-049 | Asphalt Plant 120 T  | Rs/Hr | 21751.7        | 26747.5        | 48499.2    | 21711.29         | 26727.29       | 48438.58   |
| PR-050 | Asphalt Plant 40 T   | Rs/Hr | 4850.69        | 12751.03       | 17601.72   | 4819.5           | 12735.44       | 17554.94   |
| PR-051 | Asphalt Plant 20 T   | Rs/Hr | 3848.63        | 6173.25        | 10021.88   | 3827.06          | 6162.46        | 9989.52    |
| PR-052 | Asphalt Paver basic width 3m,max 5.9m Wide   | Rs/Hr | 7664.45        | 13109.49       | 20773.94   | 7658.56          | 13106.54       | 20765.1    |
| PR-053 | Asphalt Paver ( width 2.4-4.7 m)   | Rs/Hr | 7263.95        | 13176.08       | 20440.03   | 7258.89          | 13173.55       | 20432.44   |
| PR-054 | Cold Milling Machine 2 M Wide  | Rs/Hr | 6023.69        | 13877.25       | 19900.94   | 6009.5           | 13877.25       | 19886.75   |
| PR-055 | Hand Push high Pressure Cold and Rubber Paint Marking Machine                                | Rs/Hr | 534.39         | 913.18         | 1447.57    | 533.42           | 913.18         | 1446.6     |
| PR-056 | Aggregate Spreader Up to 3M Wide   | Rs/Hr | 7263.95        | 13176.08       | 20440.03   | 7258.89          | 13173.55       | 20432.44   |
| PR-057 | Asphalt Cutter   | Rs/Hr | 19.87          | 482.11         | 501.98     | 19.81            | 482.11         | 501.92     |
| PR-058 | Rock Crushing & Screening (200 T/Hr)   | Rs/Hr | 9996.04        | 5495.33        | 15491.37   | 9954.17          | 5480.68        | 15434.85   |
| PR-060 | Asphalt Recycling Machine 0 to 60mm depth - 3 to 4m width  120 tons/hr                       | Rs/Hr | 36528.09       | 19446.2        | 55974.29   | 36504.03         | 19446.2        | 55950.23   |
| PR-061 | Hand Push Thermoplastic Road Marking Machine with double cylinder preheater                  | Rs/Hr | 1044.47        | 1631.09        | 2675.56    | 1036.26          | 1631.09        | 2667.35    |
| PR-062 | Cordless Drill Machine   | Rs/Hr | 1.67           | 470.19         | 471.86     | 1.67             | 470.19         | 471.86     |
| PR-063 | Crawler Rock driller   | Rs/Hr | 2537.22        | 7953.39        | 10490.61   | 2533.54          | 7953.39        | 10486.93   |
| PS-064 | Grouting Machine(electric) out put 3.6 cum/hr  | Rs/Hr | 52.78          | 1073.22        | 1126       | 52.46            | 1073.22        | 1125.68    |
| PS-065 | Hydraulic jack with pump upto 2000 Ton   | Rs/Hr | 470.54         | 1160.55        | 1631.09    | 468.44           | 1160.55        | 1628.99    |
| PR-066 | Guard Rail Pile Driver Machine   | Rs/Hr | 277.38         | 1987.09        | 2264.47    | 271.48           | 1987.09        | 2258.57    |
| PS-071 | Concrete Batching Plant 25m3/hr  | Rs/Hr | 5311.06        | 5586.24        | 10897.3    | 5302.69          | 5583.31        | 10886      |
| PS-072 | Concrete Static Mixer 1 Cum  | Rs/Hr | 883.72         | 1084.85        | 1968.57    | 879.53           | 1083.39        | 1962.92    |
| PS-073 | Concrete Static Mixer 1/4 Cum  | Rs/Hr | 86.57          | 968.36         | 1054.93    | 82.38            | 966.89         | 1049.27    |
| PS-074 | Concrete Transit Mixer 6 Cum   | Rs/Hr | 2420.32        | 2989.97        | 5410.29    | 2415.29          | 2989.97        | 5405.26    |
| PS-075 | Concrete Transit Mixer 4 Cum   | Rs/Hr | 1483.94        | 2602.72        | 4086.66    | 1479.75          | 2602.72        | 4082.47    |
| PS-076 | Stressing Equipment for 6500 KN force with electric power                                    | Rs/Hr | 220.98         | 1124.72        | 1345.7     | 220.12           | 1124.72        | 1344.84    |
| PS-077 | Concrete Cutter  | Rs/Hr | 19.87          | 482.11         | 501.98     | 19.81            | 482.11         | 501.92     |
| PS-078 | Piling Rig (dia up to 1m)  | Rs/Hr | 13727.96       | 16127.62       | 29855.58   | 13593.97         | 16060.63       | 29654.6    |
| PS-079 | Piling Rig (Dia 1m to 2m)  | Rs/Hr | 29133.78       | 28806.04       | 57939.82   | 29075.83         | 28777.07       | 57852.9    |

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

| Codes  | Description   | Unit  | Mohmand Agency |                |            | North Waziristan |                |            |
|--------|---|-------|----------------|----------------|------------|------------------|----------------|------------|
|        |   |       | Owning Cost    | Operating Cost | Total Cost | Owning Cost      | Operating Cost | Total Cost |
| PS-080 | Vibrator (Poker 1.5 ")  | Rs/Hr | 4.51           | 560.17         | 564.68     | 4.5              | 560.17         | 564.67     |
| PS-081 | Percussion Boring Rig (Diesel)                                | Rs/Hr | 2686.16        | 10200.9        | 12887.06   | 2652.66          | 10184.15       | 12836.81   |
| PS-082 | Concrete Pump 33 m with tuck chassis                          | Rs/Hr | 3023.79        | 16329.29       | 19353.08   | 2946.74          | 16290.77       | 19237.51   |
| PS-083 | Girder Launcher (Erecting Capacity max 200 ton)               | Rs/Hr | 7130.97        | 5170.2         | 12301.17   | 7022             | 5127.7         | 12149.7    |
| PS-084 | Tripod & Chain Pulley (20 Ton)                                | Rs/Hr | 127.49         | 735.06         | 862.55     | 120.79           | 735.06         | 855.85     |
| PS-085 | Shotcrete Machine 5-8 cum/hr                                  | Rs/Hr | 392.41         | 2212.53        | 2604.94    | 391.56           | 2212.2         | 2603.76    |
| PS-086 | Concrete Slip form Paver 2 to 6m for Road Pavement            | Rs/Hr | 13371.72       | 14907.01       | 28278.73   | 13358.32         | 14907.01       | 28265.33   |
| PS-087 | Concrete Slip form Paver for Barrier,curbs,sidewalk up to 3 m | Rs/Hr | 5896.94        | 8552.16        | 14449.1    | 5884.55          | 8552.16        | 14436.71   |
| PR-088 | Asphalt Static Mixer 1 Cum                                    | Rs/Hr | 689.35         | 1016.82        | 1706.17    | 685.16           | 1015.36        | 1700.52    |
| PS-089 | Straight Rotary machine up to 250 mm dia with all tools       | Rs/Hr | 148.54         | 1502.55        | 1651.09    | 145.19           | 1497.89        | 1643.08    |
| PX-090 | Submersible Slug Pump with 65 ft Head                         | Rs/Hr | 15.67          | 83.85          | 99.52      | 15.62            | 83.83          | 99.45      |
| PX-091 | Tractor 80 HP   | Rs/Hr | 171.08         | 2889.6         | 3060.68    | 169.8            | 2889.6         | 3059.4     |
| PX-092 | Tractor 50 HP   | Rs/Hr | 69.29          | 1839.47        | 1908.76    | 68.6             | 1839.47        | 1908.07    |
| PX-093 | Water Tank Bowser Type 12000 Liter                            | Rs/Hr | 695.59         | 5938.5         | 6634.09    | 688.05           | 5938.5         | 6626.55    |
| PX-094 | Water Tank Tow Type 4000 Liter (Including Tractor)            | Rs/Hr | 181.29         | 1967.19        | 2148.48    | 177.66           | 1967.19        | 2144.85    |
| PX-095 | Flat Body Truck pay load upto 8 ton                           | Rs/Hr | 379.95         | 5379.68        | 5759.63    | 378.08           | 5379.68        | 5757.76    |
| PX-096 | Sedan Car 1300 cc   | Rs/Hr | 254.17         | 2107.38        | 2361.55    | 253.63           | 2107.38        | 2361.01    |
| PX-097 | Sedan Car 1000 cc   | Rs/Hr | 203.4          | 1407.39        | 1610.79    | 202.97           | 1407.39        | 1610.36    |
| PX-098 | Pickup 2800 cc 4 x 4  | Rs/Hr | 646.3          | 2622.29        | 3268.59    | 645.45           | 2622.29        | 3267.74    |
| PX-099 | Pickup 2200 cc 4 x 2  | Rs/Hr | 359.08         | 1763.16        | 2122.24    | 358.23           | 1763.16        | 2121.39    |
| PX-100 | Pickup 800 cc 4 x 2   | Rs/Hr | 102.1          | 845.68         | 947.78     | 101.83           | 845.68         | 947.51     |
| PX-101 | Jeep 1300 cc 4 x 4  | Rs/Hr | 417.24         | 1491.62        | 1908.86    | 416.91           | 1491.62        | 1908.53    |
| PX-102 | Trailer Low Bed 30 ton  | Rs/Hr | 957.16         | 6434.51        | 7391.67    | 952.74           | 6434.51        | 7387.25    |
| PX-103 | Crane up to 55 Ton  | Rs/Hr | 3087           | 10409.79       | 13496.79   | 3072.97          | 10409.79       | 13482.76   |
| PX-104 | Crane Upto 25 ton   | Rs/Hr | 1950.03        | 9209.8         | 11159.83   | 1939.02          | 9209.8         | 11148.82   |
| PX-105 | Electric Diaphragm Pump                                       | Rs/Hr | 29.76          | 126.28         | 156.04     | 29.55            | 126.2          | 155.75     |
| PX-106 | Sand Blasting Machine   | Rs/Hr | 309.91         | 832.68         | 1142.59    | 309.64           | 832.68         | 1142.32    |
| PX-107 | Dump Truck 30 ton (18 cum)                                    | Rs/Hr | 2047.5         | 10225.98       | 12273.48   | 2043.48          | 10225.98       | 12269.46   |
| PX-108 | Tractor with Trolley (8 ton)                                  | Rs/Hr | 167.8          | 2602.39        | 2770.19    | 166.84           | 2602.39        | 2769.23    |
| PX-109 | Welding Plant   | Rs/Hr | 3.09           | 85.8           | 88.89      | 3.05             | 85.79          | 88.84      |
| PX-110 | Generator (Diesel) 150 kVa                                    | Rs/Hr | 172.24         | 7438.64        | 7610.88    | 171.56           | 7438.37        | 7609.93    |
| PX-111 | Generator (Diesel) 250 kVa                                    | Rs/Hr | 307.13         | 11098          | 11405.13   | 306.18           | 11097.63       | 11403.81   |
| PX-112 | Diesel Tanker 25000 Liter with Pump                           | Rs/Hr | 703.32         | 7451.84        | 8155.16    | 691.59           | 7451.84        | 8143.43    |
| PX-113 | Forging /Shape Machine  | Rs/Hr | 32.54          | 546.01         | 578.55     | 32.33            | 546.01         | 578.34     |
| PX-114 | Generator (Diesel) 50 KVA                                     | Rs/Hr | 90.34          | 2673.99        | 2764.33    | 90               | 2673.85        | 2763.85    |
| PX-115 | Diesel Tanker 12000 Liter with Pump                           | Rs/Hr | 366.51         | 3983.83        | 4350.34    | 358.14           | 3983.83        | 4341.97    |
| PX-116 | Diesel Tanker 5000 Liter with Pump                            | Rs/Hr | 277.53         | 3050.83        | 3328.36    | 273.45           | 3050.83        | 3324.28    |
| PX-117 | Diesel Generator 20 KVA                                       | Rs/Hr | 65.4           | 2031.79        | 2097.19    | 65.17            | 2031.7         | 2096.87    |
| PX-118 | Diesel Generator 5 KVA  | Rs/Hr | 13.52          | 992.76         | 1006.28    | 13.49            | 992.75         | 1006.24    |
| PX-119 | Steel Rolling Machine   | Rs/Hr | 87.93          | 367.17         | 455.1      | 86.59            | 366.64         | 453.23     |
| PX-120 | Diesel Generator 13 KVA                                       | Rs/Hr | 63.13          | 1458.22        | 1521.35    | 63.1             | 1458.21        | 1521.31    |

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

| Codes  | Description  | Unit  | Nowshera    |                |            | Orakzai Agency |                |            |
|--------|--|-------|-------------|----------------|------------|----------------|----------------|------------|
|        |  |       | 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 | 4539        | 10828.96       | 15367.96   | 4544.43        | 10828.96       | 15373.39   |
| PE-002 | Bulldozer-200 HP (Crawler Dozer-Track Type) with Blade Capacity 4.4 cum                      | Rs/Hr | 3031.92     | 8831.46        | 11863.38   | 3035.93        | 8831.46        | 11867.39   |
| PE-003 | Bulldozer-130 HP (Crawler Dozer-Track Type) with Blade Capacity 2.7 cum                      | Rs/Hr | 2759.63     | 6889.41        | 9649.04    | 2762.01        | 6889.41        | 9651.42    |
| PE-004 | Wheel Loader 187HP with Bucket Capacity 3.3 cum  | Rs/Hr | 3613.04     | 7305.74        | 10918.78   | 3616.19        | 7305.74        | 10921.93   |
| PE-005 | Wheel Loader 166 HP with Bucket Capacity 2.8 cum   | Rs/Hr | 2852.36     | 6344.18        | 9196.54    | 2854.98        | 6344.18        | 9199.16    |
| PE-006 | Wheel Loader 135 HP with Bucket Capacity 1.90 cum  | Rs/Hr | 2655.88     | 5304.72        | 7960.6     | 2657.95        | 5304.72        | 7962.67    |
| PE-008 | Dumper loading Capacity 18 T   | Rs/Hr | 1521.66     | 3139.69        | 4661.35    | 1524.24        | 3139.69        | 4663.93    |
| PE-009 | Dumper loading Capacity 10 T   | Rs/Hr | 898.93      | 2939.03        | 3837.96    | 900.44         | 2939.03        | 3839.47    |
| PE-010 | Excavator (Track Type) 100 HP  | Rs/Hr | 2360.64     | 7787.91        | 10148.55   | 2364.79        | 7787.91        | 10152.7    |
| PE-011 | Compressor 300 CFM   | Rs/Hr | 414.05      | 7243.66        | 7657.71    | 414.44         | 7243.66        | 7658.1     |
| PE-012 | Rock Driller -Pneumatic-plug   | Rs/Hr | 21.6        | 511.26         | 532.86     | 21.6           | 511.26         | 532.86     |
| PE-013 | Electric Saw   | Rs/Hr | 1.38        | 474.2          | 475.58     | 1.38           | 474.2          | 475.58     |
| PE-014 | Petrol Motorized Chain Saw   | Rs/Hr | 8.84        | 334.13         | 342.97     | 8.84           | 324.72         | 333.56     |
| PE-015 | Electric Breaker (Demolition Hammer)   | Rs/Hr | 15.7        | 476.52         | 492.22     | 15.7           | 476.52         | 492.22     |
| PE-016 | Plate Compactor  | Rs/Hr | 86.84       | 962.34         | 1049.18    | 86.94          | 962.37         | 1049.31    |
| PE-017 | Pugmill 40 Tons per hour   | Rs/Hr | 1421.81     | 8814.35        | 10236.16   | 1459.37        | 8814.35        | 10273.72   |
| PR-018 | Combination Roller 18 T Single drum Pad/Sheep Foot Compactor                                 | Rs/Hr | 2215.33     | 6458.95        | 8674.28    | 2217.63        | 6458.98        | 8676.61    |
| PR-019 | Combination Roller 12 T (Single drum Pad/Sheep Foot Compactor)                               | Rs/Hr | 1487.59     | 5003.71        | 6491.3     | 1489.82        | 5003.74        | 6493.56    |
| PR-020 | Combination Roller 8T (Single drum Pad/Sheep Foot Compactor)                                 | Rs/Hr | 1406.71     | 4956.29        | 6363       | 1408.83        | 4956.31        | 6365.14    |
| PE-021 | Excavator (Track Type) 168 HP with Bucket Capacity 0.8 cum                                   | Rs/Hr | 2592.87     | 8159.3         | 10752.17   | 2597.31        | 8159.3         | 10756.61   |
| PE-022 | Excavator (Track Type) 250 HP with Bucket Capacity 1.4 cum                                   | Rs/Hr | 2914.17     | 10839.53       | 13753.7    | 2920.2         | 10839.53       | 13759.73   |
| PE-023 | Excavator (Track Type) 345 HP with Bucket Capacity 2.2 cum                                   | Rs/Hr | 3490.25     | 13784.13       | 17274.38   | 3498.35        | 13784.13       | 17282.48   |
| PE-024 | Jack Hammer side type for Excavator (Track Type) 168 HP with Bucket Capacity 0.9 cum         | Rs/Hr | 145.53      | 452.1          | 597.63     | 146.09         | 452.6          | 598.69     |
| PE-025 | Jack Hammer side type for Excavator (Track Type) 265/340 HP with Bucket Capacity 1.6/2.3 cum | Rs/Hr | 303.26      | 592.48         | 895.74     | 304.23         | 593.35         | 897.58     |
| PS-026 | Pipe Layer with lifting weight upto 25 Ton   | Rs/Hr | 2270.52     | 8216.74        | 10487.26   | 2275.85        | 8216.74        | 10492.59   |
| PR-031 | Motor Grader 250HP with Blade length 4.32m   | Rs/Hr | 4018.17     | 9636.81        | 13654.98   | 4021.91        | 9636.81        | 13658.72   |
| PR-032 | Motor Grader 218HP with Blade length 4.32m   | Rs/Hr | 3513.13     | 7865.01        | 11378.14   | 3516.22        | 7865.01        | 11381.23   |
| PR-033 | Tandem Roller 12 T   | Rs/Hr | 1782.52     | 4644.23        | 6426.75    | 1784.75        | 4644.26        | 6429.01    |
| PR-034 | Tandem Roller 8 T  | Rs/Hr | 1276.88     | 4380.26        | 5657.14    | 1278.68        | 4380.28        | 5658.96    |
| PR-035 | Tandem Roller 6 T  | Rs/Hr | 1181.07     | 2706.62        | 3887.69    | 1182.87        | 2706.64        | 3889.51    |
| PR-036 | Tandem Roller 1.50 T   | Rs/Hr | 424.17      | 2029.4         | 2453.57    | 424.5          | 2029.41        | 2453.91    |
| PR-037 | Combination Roller 18 T Single drum Plain Compactor  | Rs/Hr | 2017.12     | 5721.6         | 7738.72    | 2019.42        | 5721.6         | 7741.02    |
| PR-038 | Combination Roller 12 T (Single drum Plain Compactor)  | Rs/Hr | 1355.45     | 4987.12        | 6342.57    | 1357.68        | 4987.14        | 6344.82    |
| PR-039 | Combination Roller 8T (Single drum Plain Compactor)  | Rs/Hr | 1281.76     | 4945.54        | 6227.3     | 1283.87        | 4945.56        | 6229.43    |
| PR-040 | P.T.R. (8 - Wheeler) 24 T  | Rs/Hr | 1452.15     | 4499.44        | 5951.59    | 1456.8         | 4499.47        | 5956.27    |
| PR-041 | P.T.R. (8 - Wheeler) 18 T  | Rs/Hr | 1356.34     | 4428.57        | 5784.91    | 1360.99        | 4428.57        | 5789.56    |
| PR-043 | Tandem Roller 10 T   | Rs/Hr | 1393.28     | 4564.27        | 5957.55    | 1395.11        | 4564.29        | 5959.4     |
| PR-044 | Power Broom  | Rs/Hr | 31.51       | 350.63         | 382.14     | 32.84          | 351.81         | 384.65     |
| PR-045 | Bitumen Dist. Tow Type 2000 Liter  | Rs/Hr | 207.99      | 1255.35        | 1463.34    | 208.5          | 1255.35        | 1463.85    |
| PR-046 | Bitumen Sprayer (Manual) 250 gallon  | Rs/Hr | 26.66       | 514.23         | 540.89     | 27.31          | 514.49         | 541.8      |
| PR-047 | Chip Spreader up to 3M Wide (attachment)   | Rs/Hr | 294.73      | 1207.99        | 1502.72    | 296.96         | 1208.86        | 1505.82    |
| PR-048 | Asphalt Plant 140 T  | Rs/Hr | 22488.62    | 29049.94       | 51538.56   | 22526.18       | 29068.72       | 51594.9    |
| PR-049 | Asphalt Plant 120 T  | Rs/Hr | 21707.85    | 26725.57       | 48433.42   | 21731.24       | 26737.27       | 48468.51   |
| PR-050 | Asphalt Plant 40 T   | Rs/Hr | 4816.84     | 12734.11       | 17550.95   | 4834.89        | 12743.13       | 17578.02   |
| PR-051 | Asphalt Plant 20 T   | Rs/Hr | 3825.23     | 6161.55        | 9986.78    | 3837.71        | 6167.79        | 10005.5    |
| PR-052 | Asphalt Paver basic width 3m,max 5.9m Wide   | Rs/Hr | 7658.05     | 13106.29       | 20764.34   | 7661.47        | 13108          | 20769.47   |
| PR-053 | Asphalt Paver ( width 2.4-4.7 m)   | Rs/Hr | 7258.46     | 13173.33       | 20431.79   | 7261.39        | 13174.8        | 20436.19   |
| PR-054 | Cold Milling Machine 2 M Wide  | Rs/Hr | 6008.29     | 13877.25       | 19885.54   | 6016.5         | 13877.25       | 19893.75   |
| PR-055 | Hand Push high Pressure Cold and Rubber Paint Marking Machine                                | Rs/Hr | 533.34      | 913.18         | 1446.52    | 533.9          | 913.18         | 1447.08    |
| PR-056 | Aggregate Spreader Up to 3M Wide   | Rs/Hr | 7258.46     | 13173.33       | 20431.79   | 7261.39        | 13174.8        | 20436.19   |
| PR-057 | Asphalt Cutter   | Rs/Hr | 19.81       | 482.11         | 501.92     | 19.84          | 482.11         | 501.95     |
| PR-058 | Rock Crushing & Screening (200 T/Hr)   | Rs/Hr | 9950.6      | 5479.43        | 15430.03   | 9974.84        | 5487.91        | 15462.75   |
| PR-060 | Asphalt Recycling Machine 0 to 60mm depth - 3 to 4m width  120 tons/hr                       | Rs/Hr | 36501.98    | 19446.2        | 55948.18   | 36515.91       | 19446.2        | 55962.11   |
| PR-061 | Hand Push Thermoplastic Road Marking Machine with double cylinder preheater                  | Rs/Hr | 1035.56     | 1631.09        | 2666.65    | 1040.31        | 1631.09        | 2671.4     |
| PR-062 | Cordless Drill Machine   | Rs/Hr | 1.67        | 470.19         | 471.86     | 1.67           | 470.19         | 471.86     |
| PR-063 | Crawler Rock driller   | Rs/Hr | 2533.22     | 7953.39        | 10486.61   | 2535.35        | 7953.39        | 10488.74   |
| PS-064 | Grouting Machine(electric) out put 3.6 cum/hr  | Rs/Hr | 52.44       | 1073.22        | 1125.66    | 52.62          | 1073.22        | 1125.84    |
| PS-065 | Hydraulic jack with pump upto 2000 Ton   | Rs/Hr | 468.26      | 1160.55        | 1628.81    | 469.48         | 1160.55        | 1630.03    |
| PR-066 | Guard Rail Pile Driver Machine   | Rs/Hr | 270.98      | 1987.09        | 2258.07    | 274.39         | 1987.09        | 2261.48    |
| PS-071 | Concrete Batching Plant 25m3/hr  | Rs/Hr | 5301.97     | 5583.05        | 10885.02   | 5306.82        | 5584.75        | 10891.57   |
| PS-072 | Concrete Static Mixer 1 Cum  | Rs/Hr | 879.18      | 1083.26        | 1962.44    | 881.6          | 1084.11        | 1965.71    |
| PS-073 | Concrete Static Mixer 1/4 Cum  | Rs/Hr | 82.03       | 966.77         | 1048.8     | 84.45          | 967.62         | 1052.07    |
| PS-074 | Concrete Transit Mixer 6 Cum   | Rs/Hr | 2414.87     | 2989.97        | 5404.84    | 2417.77        | 2989.97        | 5407.74    |
| PS-075 | Concrete Transit Mixer 4 Cum   | Rs/Hr | 1479.4      | 2602.72        | 4082.12    | 1481.82        | 2602.72        | 4084.54    |
| PS-076 | Stressing Equipment for 6500 KN force with electric power                                    | Rs/Hr | 220.05      | 1124.72        | 1344.77    | 220.54         | 1124.72        | 1345.26    |
| PS-077 | Concrete Cutter  | Rs/Hr | 19.81       | 482.11         | 501.92     | 19.84          | 482.11         | 501.95     |
| PS-078 | Piling Rig (dia up to 1m)  | Rs/Hr | 13582.56    | 16054.92       | 29637.48   | 13660.11       | 16093.7        | 29753.81   |
| PS-079 | Piling Rig (Dia 1m to 2m)  | Rs/Hr | 29070.9     | 28774.6        | 57845.5    | 29104.44       | 28791.37       | 57895.81   |

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

| Codes  | Description   | Unit  | Nowshera    |                |            | Orakzai Agency |                |            |
|--------|---|-------|-------------|----------------|------------|----------------|----------------|------------|
|        |   |       | Owning Cost | Operating Cost | Total Cost | Owning Cost    | Operating Cost | Total Cost |
| PS-080 | Vibrator (Poker 1.5 ")  | Rs/Hr | 4.5         | 560.17         | 564.67     | 4.5            | 560.17         | 564.67     |
| PS-081 | Percussion Boring Rig (Diesel)                                | Rs/Hr | 2649.81     | 10182.73       | 12832.54   | 2669.2         | 10192.42       | 12861.62   |
| PS-082 | Concrete Pump 33 m with tuck chassis                          | Rs/Hr | 2940.18     | 16287.49       | 19227.67   | 2984.77        | 16309.78       | 19294.55   |
| PS-083 | Girder Launcher (Erecting Capacity max 200 ton)               | Rs/Hr | 7012.72     | 5124.08        | 12136.8    | 7075.79        | 5148.68        | 12224.47   |
| PS-084 | Tripod & Chain Pulley (20 Ton)                                | Rs/Hr | 120.22      | 735.06         | 855.28     | 124.09         | 735.06         | 859.15     |
| PS-085 | Shotcrete Machine 5-8 cum/hr                                  | Rs/Hr | 391.49      | 2212.17        | 2603.66    | 391.98         | 2212.36        | 2604.34    |
| PS-086 | Concrete Slip form Paver 2 to 6m for Road Pavement            | Rs/Hr | 13357.18    | 14907.01       | 28264.19   | 13364.93       | 14907.01       | 28271.94   |
| PS-087 | Concrete Slip form Paver for Barrier,curbs,sidewalk up to 3 m | Rs/Hr | 5883.49     | 8552.16        | 14435.65   | 5890.67        | 8552.16        | 14442.83   |
| PR-088 | Asphalt Static Mixer 1 Cum                                    | Rs/Hr | 684.81      | 1015.23        | 1700.04    | 687.23         | 1016.08        | 1703.31    |
| PS-089 | Straight Rotary machine up to 250 mm dia with all tools       | Rs/Hr | 144.91      | 1497.5         | 1642.41    | 146.85         | 1500.2         | 1647.05    |
| PX-090 | Submersible Slug Pump with 65 ft Head                         | Rs/Hr | 15.62       | 83.83          | 99.45      | 15.65          | 83.84          | 99.49      |
| PX-091 | Tractor 80 HP   | Rs/Hr | 169.69      | 2889.6         | 3059.29    | 170.43         | 2889.6         | 3060.03    |
| PX-092 | Tractor 50 HP   | Rs/Hr | 68.54       | 1839.47        | 1908.01    | 68.94          | 1839.47        | 1908.41    |
| PX-093 | Water Tank Bowser Type 12000 Liter                            | Rs/Hr | 687.41      | 5938.5         | 6625.91    | 691.77         | 5938.5         | 6630.27    |
| PX-094 | Water Tank Tow Type 4000 Liter (Including Tractor)            | Rs/Hr | 177.35      | 1967.19        | 2144.54    | 179.45         | 1967.19        | 2146.64    |
| PX-095 | Flat Body Truck pay load upto 8 ton                           | Rs/Hr | 377.92      | 5379.68        | 5757.6     | 379            | 5379.68        | 5758.68    |
| PX-096 | Sedan Car 1300 cc   | Rs/Hr | 253.59      | 2107.38        | 2360.97    | 253.9          | 2107.38        | 2361.28    |
| PX-097 | Sedan Car 1000 cc   | Rs/Hr | 202.93      | 1407.39        | 1610.32    | 203.18         | 1407.39        | 1610.57    |
| PX-098 | Pickup 2800 cc 4 x 4  | Rs/Hr | 645.38      | 2622.29        | 3267.67    | 645.87         | 2622.29        | 3268.16    |
| PX-099 | Pickup 2200 cc 4 x 2  | Rs/Hr | 358.16      | 1763.16        | 2121.32    | 358.65         | 1763.16        | 2121.81    |
| PX-100 | Pickup 800 cc 4 x 2   | Rs/Hr | 101.81      | 845.68         | 947.49     | 101.96         | 845.68         | 947.64     |
| PX-101 | Jeep 1300 cc 4 x 4  | Rs/Hr | 416.88      | 1491.62        | 1908.5     | 417.07         | 1491.62        | 1908.69    |
| PX-102 | Trailer Low Bed 30 ton  | Rs/Hr | 952.37      | 6434.51        | 7386.88    | 954.92         | 6434.51        | 7389.43    |
| PX-103 | Crane up to 55 Ton  | Rs/Hr | 3071.77     | 10409.79       | 13481.56   | 3079.89        | 10409.79       | 13489.68   |
| PX-104 | Crane Upto 25 ton   | Rs/Hr | 1938.08     | 9209.8         | 11147.88   | 1944.45        | 9209.8         | 11154.25   |
| PX-105 | Electric Diaphragm Pump                                       | Rs/Hr | 29.53       | 126.2          | 155.73     | 29.65          | 126.24         | 155.89     |
| PX-106 | Sand Blasting Machine   | Rs/Hr | 309.62      | 832.68         | 1142.3     | 309.77         | 832.68         | 1142.45    |
| PX-107 | Dump Truck 30 ton (18 cum)                                    | Rs/Hr | 2043.14     | 10225.98       | 12269.12   | 2045.46        | 10225.98       | 12271.44   |
| PX-108 | Tractor with Trolley (8 ton)                                  | Rs/Hr | 166.76      | 2602.39        | 2769.15    | 167.31         | 2602.39        | 2769.7     |
| PX-109 | Welding Plant   | Rs/Hr | 3.04        | 85.79          | 88.83      | 3.07           | 85.8           | 88.87      |
| PX-110 | Generator (Diesel) 150 kVa                                    | Rs/Hr | 171.51      | 7438.35        | 7609.86    | 171.9          | 7438.51        | 7610.41    |
| PX-111 | Generator (Diesel) 250 kVa                                    | Rs/Hr | 306.1       | 11097.6        | 11403.7    | 306.65         | 11097.81       | 11404.46   |
| PX-112 | Diesel Tanker 25000 Liter with Pump                           | Rs/Hr | 690.6       | 7451.84        | 8142.44    | 697.38         | 7451.84        | 8149.22    |
| PX-113 | Forging /Shape Machine  | Rs/Hr | 32.31       | 546.01         | 578.32     | 32.43          | 546.01         | 578.44     |
| PX-114 | Generator (Diesel) 50 KVA                                     | Rs/Hr | 89.97       | 2673.84        | 2763.81    | 90.16          | 2673.92        | 2764.08    |
| PX-115 | Diesel Tanker 12000 Liter with Pump                           | Rs/Hr | 357.43      | 3983.83        | 4341.26    | 362.27         | 3983.83        | 4346.1     |
| PX-116 | Diesel Tanker 5000 Liter with Pump                            | Rs/Hr | 273.11      | 3050.83        | 3323.94    | 275.46         | 3050.83        | 3326.29    |
| PX-117 | Diesel Generator 20 KVA                                       | Rs/Hr | 65.15       | 2031.69        | 2096.84    | 65.28          | 2031.74        | 2097.02    |
| PX-118 | Diesel Generator 5 KVA  | Rs/Hr | 13.49       | 992.75         | 1006.24    | 13.5           | 992.75         | 1006.25    |
| PX-119 | Steel Rolling Machine   | Rs/Hr | 86.48       | 366.6          | 453.08     | 87.25          | 366.9          | 454.15     |
| PX-120 | Diesel Generator 13 KVA                                       | Rs/Hr | 63.1        | 1458.21        | 1521.31    | 63.11          | 1458.21        | 1521.32    |

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

| Codes  | Description  | Unit  | Peshawar    |                |            | Shangla     |                |            |
|--------|--|-------|-------------|----------------|------------|-------------|----------------|------------|
|        |  |       | 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 | 4537.03     | 10828.96       | 15365.99   | 4550.2      | 10828.96       | 15379.16   |
| PE-002 | Bulldozer-200 HP (Crawler Dozer-Track Type) with Blade Capacity 4.4 cum                      | Rs/Hr | 3030.46     | 8831.46        | 11861.92   | 3040.18     | 8831.46        | 11871.64   |
| PE-003 | Bulldozer-130 HP (Crawler Dozer-Track Type) with Blade Capacity 2.7 cum                      | Rs/Hr | 2758.76     | 6889.41        | 9648.17    | 2764.55     | 6889.41        | 9653.96    |
| PE-004 | Wheel Loader 187HP with Bucket Capacity 3.3 cum  | Rs/Hr | 3611.9      | 7305.74        | 10917.64   | 3619.54     | 7305.74        | 10925.28   |
| PE-005 | Wheel Loader 166 HP with Bucket Capacity 2.8 cum   | Rs/Hr | 2851.4      | 6344.18        | 9195.58    | 2857.76     | 6344.18        | 9201.94    |
| PE-006 | Wheel Loader 135 HP with Bucket Capacity 1.90 cum  | Rs/Hr | 2655.12     | 5304.72        | 7959.84    | 2660.15     | 5304.72        | 7964.87    |
| PE-008 | Dumper loading Capacity 18 T   | Rs/Hr | 1520.72     | 3139.69        | 4660.41    | 1526.99     | 3139.69        | 4666.68    |
| PE-009 | Dumper loading Capacity 10 T   | Rs/Hr | 898.38      | 2939.03        | 3837.41    | 902.05      | 2939.03        | 3841.08    |
| PE-010 | Excavator (Track Type) 100 HP  | Rs/Hr | 2359.14     | 7787.91        | 10147.05   | 2369.2      | 7787.91        | 10157.11   |
| PE-011 | Compressor 300 CFM   | Rs/Hr | 413.91      | 7243.66        | 7657.57    | 414.85      | 7243.66        | 7658.51    |
| PE-012 | Rock Driller -Pneumatic-plug   | Rs/Hr | 21.6        | 511.26         | 532.86     | 21.61       | 511.26         | 532.87     |
| PE-013 | Electric Saw   | Rs/Hr | 1.38        | 474.2          | 475.58     | 1.38        | 474.2          | 475.58     |
| PE-014 | Petrol Motorized Chain Saw   | Rs/Hr | 8.84        | 354.95         | 363.79     | 8.85        | 333.77         | 342.62     |
| PE-015 | Electric Breaker (Demolition Hammer)   | Rs/Hr | 15.7        | 476.52         | 492.22     | 15.71       | 476.52         | 492.23     |
| PE-016 | Plate Compactor  | Rs/Hr | 86.8        | 962.32         | 1049.12    | 87.04       | 962.41         | 1049.45    |
| PE-017 | Pugmill 40 Tons per hour   | Rs/Hr | 1408.14     | 8814.35        | 10222.49   | 1499.28     | 8814.35        | 10313.63   |
| PR-018 | Combination Roller 18 T Single drum Pad/Sheep Foot Compactor                                 | Rs/Hr | 2214.49     | 6458.94        | 8673.43    | 2220.07     | 6459.01        | 8679.08    |
| PR-019 | Combination Roller 12 T (Single drum Pad/Sheep Foot Compactor)                               | Rs/Hr | 1486.77     | 5003.7         | 6490.47    | 1492.2      | 5003.76        | 6495.96    |
| PR-020 | Combination Roller 8T (Single drum Pad/Sheep Foot Compactor)                                 | Rs/Hr | 1405.94     | 4956.28        | 6362.22    | 1411.07     | 4956.33        | 6367.4     |
| PE-021 | Excavator (Track Type) 168 HP with Bucket Capacity 0.8 cum                                   | Rs/Hr | 2591.26     | 8159.3         | 10750.56   | 2602.03     | 8159.3         | 10761.33   |
| PE-022 | Excavator (Track Type) 250 HP with Bucket Capacity 1.4 cum                                   | Rs/Hr | 2911.98     | 10839.53       | 13751.51   | 2926.61     | 10839.53       | 13766.14   |
| PE-023 | Excavator (Track Type) 345 HP with Bucket Capacity 2.2 cum                                   | Rs/Hr | 3487.31     | 13784.13       | 17271.44   | 3506.94     | 13784.13       | 17291.07   |
| PE-024 | Jack Hammer side type for Excavator (Track Type) 168 HP with Bucket Capacity 0.9 cum         | Rs/Hr | 145.32      | 451.92         | 597.24     | 146.69      | 453.14         | 599.83     |
| PE-025 | Jack Hammer side type for Excavator (Track Type) 265/340 HP with Bucket Capacity 1.6/2.3 cum | Rs/Hr | 302.91      | 592.17         | 895.08     | 305.26      | 594.26         | 899.52     |
| PS-026 | Pipe Layer with lifting weight upto 25 Ton   | Rs/Hr | 2268.58     | 8216.74        | 10485.32   | 2281.51     | 8216.74        | 10498.25   |
| PR-031 | Motor Grader 250HP with Blade length 4.32m   | Rs/Hr | 4016.81     | 9636.81        | 13653.62   | 4025.88     | 9636.81        | 13662.69   |
| PR-032 | Motor Grader 218HP with Blade length 4.32m   | Rs/Hr | 3512        | 7865.01        | 11377.01   | 3519.51     | 7865.01        | 11384.52   |
| PR-033 | Tandem Roller 12 T   | Rs/Hr | 1781.71     | 4644.23        | 6425.94    | 1787.12     | 4644.29        | 6431.41    |
| PR-034 | Tandem Roller 8 T  | Rs/Hr | 1276.23     | 4380.25        | 5656.48    | 1280.59     | 4380.3         | 5660.89    |
| PR-035 | Tandem Roller 6 T  | Rs/Hr | 1180.42     | 2706.61        | 3887.03    | 1184.78     | 2706.66        | 3891.44    |
| PR-036 | Tandem Roller 1.50 T   | Rs/Hr | 424.05      | 2029.4         | 2453.45    | 424.85      | 2029.41        | 2454.26    |
| PR-037 | Combination Roller 18 T Single drum Plain Compactor  | Rs/Hr | 2016.28     | 5721.6         | 7737.88    | 2021.86     | 5721.6         | 7743.46    |
| PR-038 | Combination Roller 12 T (Single drum Plain Compactor)  | Rs/Hr | 1354.63     | 4987.11        | 6341.74    | 1360.06     | 4987.17        | 6347.23    |
| PR-039 | Combination Roller 8T (Single drum Plain Compactor)  | Rs/Hr | 1280.99     | 4945.53        | 6226.52    | 1286.12     | 4945.59        | 6231.71    |
| PR-040 | P.T.R. (8 - Wheeler) 24 T  | Rs/Hr | 1450.46     | 4499.44        | 5949.9     | 1461.75     | 4499.49        | 5961.24    |
| PR-041 | P.T.R. (8 - Wheeler) 18 T  | Rs/Hr | 1354.65     | 4428.57        | 5783.22    | 1365.94     | 4428.57        | 5794.51    |
| PR-043 | Tandem Roller 10 T   | Rs/Hr | 1392.61     | 4564.26        | 5956.87    | 1397.06     | 4564.31        | 5961.37    |
| PR-044 | Power Broom  | Rs/Hr | 31.03       | 350.2          | 381.23     | 34.26       | 353.07         | 387.33     |
| PR-045 | Bitumen Dist. Tow Type 2000 Liter  | Rs/Hr | 207.81      | 1255.35        | 1463.16    | 209.03      | 1255.35        | 1464.38    |
| PR-046 | Bitumen Sprayer (Manual) 250 gallon  | Rs/Hr | 26.42       | 514.14         | 540.56     | 27.99       | 514.75         | 542.74     |
| PR-047 | Chip Spreader up to 3M Wide (attachment)   | Rs/Hr | 293.92      | 1207.67        | 1501.59    | 299.33      | 1209.78        | 1509.11    |
| PR-048 | Asphalt Plant 140 T  | Rs/Hr | 22474.95    | 29043.11       | 51518.06   | 22566.09    | 29088.68       | 51654.77   |
| PR-049 | Asphalt Plant 120 T  | Rs/Hr | 21699.34    | 26721.32       | 48420.66   | 21756.08    | 26749.69       | 48505.77   |
| PR-050 | Asphalt Plant 40 T   | Rs/Hr | 4810.27     | 12730.82       | 17541.09   | 4854.08     | 12752.73       | 17606.81   |
| PR-051 | Asphalt Plant 20 T   | Rs/Hr | 3820.68     | 6159.27        | 9979.95    | 3850.97     | 6174.42        | 10025.39   |
| PR-052 | Asphalt Paver basic width 3m,max 5.9m Wide   | Rs/Hr | 7656.81     | 13105.67       | 20762.48   | 7665.09     | 13109.81       | 20774.9    |
| PR-053 | Asphalt Paver ( width 2.4-4.7 m)   | Rs/Hr | 7257.4      | 13172.8        | 20430.2    | 7264.51     | 13176.35       | 20440.85   |
| PR-054 | Cold Milling Machine 2 M Wide  | Rs/Hr | 6005.3      | 13877.25       | 19882.55   | 6025.23     | 13877.25       | 19902.48   |
| PR-055 | Hand Push high Pressure Cold and Rubber Paint Marking Machine                                | Rs/Hr | 533.13      | 913.18         | 1446.31    | 534.5       | 913.18         | 1447.68    |
| PR-056 | Aggregate Spreader Up to 3M Wide   | Rs/Hr | 7257.4      | 13172.8        | 20430.2    | 7264.5      | 13176.35       | 20440.85   |
| PR-057 | Asphalt Cutter   | Rs/Hr | 19.79       | 482.11         | 501.9      | 19.88       | 482.11         | 501.99     |
| PR-058 | Rock Crushing & Screening (200 T/Hr)   | Rs/Hr | 9941.78     | 5476.34        | 15418.12   | 10000.58    | 5496.92        | 15497.5    |
| PR-060 | Asphalt Recycling Machine 0 to 60mm depth - 3 to 4m width  120 tons/hr                       | Rs/Hr | 36496.91    | 19446.2        | 55943.11   | 36530.71    | 19446.2        | 55976.91   |
| PR-061 | Hand Push Thermoplastic Road Marking Machine with double cylinder preheater                  | Rs/Hr | 1033.83     | 1631.09        | 2664.92    | 1045.36     | 1631.09        | 2676.45    |
| PR-062 | Cordless Drill Machine   | Rs/Hr | 1.67        | 470.19         | 471.86     | 1.67        | 470.19         | 471.86     |
| PR-063 | Crawler Rock driller   | Rs/Hr | 2532.45     | 7953.39        | 10485.84   | 2537.62     | 7953.39        | 10491.01   |
| PS-064 | Grouting Machine(electric) out put 3.6 cum/hr  | Rs/Hr | 52.37       | 1073.22        | 1125.59    | 52.81       | 1073.22        | 1126.03    |
| PS-065 | Hydraulic jack with pump upto 2000 Ton   | Rs/Hr | 467.82      | 1160.55        | 1628.37    | 470.76      | 1160.55        | 1631.31    |
| PR-066 | Guard Rail Pile Driver Machine   | Rs/Hr | 269.73      | 1987.09        | 2256.82    | 278.02      | 1987.09        | 2265.11    |
| PS-071 | Concrete Batching Plant 25m3/hr  | Rs/Hr | 5300.21     | 5582.44        | 10882.65   | 5311.97     | 5586.55        | 10898.52   |
| PS-072 | Concrete Static Mixer 1 Cum  | Rs/Hr | 878.29      | 1082.95        | 1961.24    | 884.17      | 1085.01        | 1969.18    |
| PS-073 | Concrete Static Mixer 1/4 Cum  | Rs/Hr | 81.14       | 966.46         | 1047.6     | 87.02       | 968.52         | 1055.54    |
| PS-074 | Concrete Transit Mixer 6 Cum   | Rs/Hr | 2413.81     | 2989.97        | 5403.78    | 2420.86     | 2989.97        | 5410.83    |
| PS-075 | Concrete Transit Mixer 4 Cum   | Rs/Hr | 1478.51     | 2602.72        | 4081.23    | 1484.39     | 2602.72        | 4087.11    |
| PS-076 | Stressing Equipment for 6500 KN force with electric power                                    | Rs/Hr | 219.87      | 1124.72        | 1344.59    | 221.07      | 1124.72        | 1345.79    |
| PS-077 | Concrete Cutter  | Rs/Hr | 19.79       | 482.11         | 501.9      | 19.88       | 482.11         | 501.99     |
| PS-078 | Piling Rig (dia up to 1m)  | Rs/Hr | 13554.34    | 16040.81       | 29595.15   | 13742.5     | 16134.89       | 29877.39   |
| PS-079 | Piling Rig (Dia 1m to 2m)  | Rs/Hr | 29058.69    | 28768.5        | 57827.19   | 29140.07    | 28809.19       | 57949.26   |

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

| Codes  | Description   | Unit  | Peshawer    |                |            | Shangla     |                |            |
|--------|---|-------|-------------|----------------|------------|-------------|----------------|------------|
|        |   |       | Owning Cost | Operating Cost | Total Cost | Owning Cost | Operating Cost | Total Cost |
| PS-080 | Vibrator (Poker 1.5 ")  | Rs/Hr | 4.5         | 560.17         | 564.67     | 4.51        | 560.17         | 564.68     |
| PS-081 | Percussion Boring Rig (Diesel)                                | Rs/Hr | 2642.75     | 10179.2        | 12821.95   | 2689.79     | 10202.72       | 12892.51   |
| PS-082 | Concrete Pump 33 m with tuck chassis                          | Rs/Hr | 2923.95     | 16279.37       | 19203.32   | 3032.15     | 16333.47       | 19365.62   |
| PS-083 | Girder Launcher (Erecting Capacity max 200 ton)               | Rs/Hr | 6989.76     | 5115.12        | 12104.88   | 7142.8      | 5174.81        | 12317.61   |
| PS-084 | Tripod & Chain Pulley (20 Ton)                                | Rs/Hr | 118.8       | 735.06         | 853.86     | 128.21      | 735.06         | 863.27     |
| PS-085 | Shotcrete Machine 5-8 cum/hr                                  | Rs/Hr | 391.31      | 2212.1         | 2603.41    | 392.5       | 2212.56        | 2605.06    |
| PS-086 | Concrete Slip form Paver 2 to 6m for Road Pavement            | Rs/Hr | 13354.35    | 14907.01       | 28261.36   | 13373.17    | 14907.01       | 28280.18   |
| PS-087 | Concrete Slip form Paver for Barrier,curbs,sidewalk up to 3 m | Rs/Hr | 5880.88     | 8552.16        | 14433.04   | 5898.29     | 8552.16        | 14450.45   |
| PR-088 | Asphalt Static Mixer 1 Cum                                    | Rs/Hr | 683.92      | 1014.92        | 1698.84    | 689.8       | 1016.98        | 1706.78    |
| PS-089 | Straight Rotary machine up to 250 mm dia with all tools       | Rs/Hr | 144.2       | 1496.52        | 1640.72    | 148.91      | 1503.06        | 1651.97    |
| PX-090 | Submersible Slug Pump with 65 ft Head                         | Rs/Hr | 15.61       | 83.82          | 99.43      | 15.67       | 83.85          | 99.52      |
| PX-091 | Tractor 80 HP   | Rs/Hr | 169.42      | 2889.6         | 3059.02    | 171.22      | 2889.6         | 3060.82    |
| PX-092 | Tractor 50 HP   | Rs/Hr | 68.4        | 1839.47        | 1907.87    | 69.37       | 1839.47        | 1908.84    |
| PX-093 | Water Tank Bowser Type 12000 Liter                            | Rs/Hr | 685.82      | 5938.5         | 6624.32    | 696.41      | 5938.5         | 6634.91    |
| PX-094 | Water Tank Tow Type 4000 Liter (Including Tractor)            | Rs/Hr | 176.59      | 1967.19        | 2143.78    | 181.68      | 1967.19        | 2148.87    |
| PX-095 | Flat Body Truck pay load upto 8 ton                           | Rs/Hr | 377.52      | 5379.68        | 5757.2     | 380.16      | 5379.68        | 5759.84    |
| PX-096 | Sedan Car 1300 cc   | Rs/Hr | 253.47      | 2107.38        | 2360.85    | 254.23      | 2107.38        | 2361.61    |
| PX-097 | Sedan Car 1000 cc   | Rs/Hr | 202.84      | 1407.39        | 1610.23    | 203.45      | 1407.39        | 1610.84    |
| PX-098 | Pickup 2800 cc 4 x 4  | Rs/Hr | 645.2       | 2622.29        | 3267.49    | 646.39      | 2622.29        | 3268.68    |
| PX-099 | Pickup 2200 cc 4 x 2  | Rs/Hr | 357.98      | 1763.16        | 2121.14    | 359.17      | 1763.16        | 2122.33    |
| PX-100 | Pickup 800 cc 4 x 2   | Rs/Hr | 101.75      | 845.68         | 947.43     | 102.13      | 845.68         | 947.81     |
| PX-101 | Jeep 1300 cc 4 x 4  | Rs/Hr | 416.81      | 1491.62        | 1908.43    | 417.28      | 1491.62        | 1908.9     |
| PX-102 | Trailer Low Bed 30 ton  | Rs/Hr | 951.43      | 6434.51        | 7385.94    | 957.64      | 6434.51        | 7392.15    |
| PX-103 | Crane up to 55 Ton  | Rs/Hr | 3068.82     | 10409.79       | 13478.61   | 3088.52     | 10409.79       | 13498.31   |
| PX-104 | Crane Upto 25 ton   | Rs/Hr | 1935.76     | 9209.8         | 11145.56   | 1951.23     | 9209.8         | 11161.03   |
| PX-105 | Electric Diaphragm Pump                                       | Rs/Hr | 29.49       | 126.18         | 155.67     | 29.78       | 126.29         | 156.07     |
| PX-106 | Sand Blasting Machine   | Rs/Hr | 309.56      | 832.68         | 1142.24    | 309.93      | 832.68         | 1142.61    |
| PX-107 | Dump Truck 30 ton (18 cum)                                    | Rs/Hr | 2042.29     | 10225.98       | 12268.27   | 2047.94     | 10225.98       | 12273.92   |
| PX-108 | Tractor with Trolley (8 ton)                                  | Rs/Hr | 166.55      | 2602.39        | 2768.94    | 167.9       | 2602.39        | 2770.29    |
| PX-109 | Welding Plant   | Rs/Hr | 3.04        | 85.79          | 88.83      | 3.09        | 85.8           | 88.89      |
| PX-110 | Generator (Diesel) 150 kVa                                    | Rs/Hr | 171.36      | 7438.29        | 7609.65    | 172.31      | 7438.67        | 7610.98    |
| PX-111 | Generator (Diesel) 250 kVa                                    | Rs/Hr | 305.9       | 11097.52       | 11403.42   | 307.24      | 11098.04       | 11405.28   |
| PX-112 | Diesel Tanker 25000 Liter with Pump                           | Rs/Hr | 688.13      | 7451.84        | 8139.97    | 704.59      | 7451.84        | 8156.43    |
| PX-113 | Forging /Shape Machine  | Rs/Hr | 32.27       | 546.01         | 578.28     | 32.56       | 546.01         | 578.57     |
| PX-114 | Generator (Diesel) 50 KVA                                     | Rs/Hr | 89.9        | 2673.82        | 2763.72    | 90.37       | 2674           | 2764.37    |
| PX-115 | Diesel Tanker 12000 Liter with Pump                           | Rs/Hr | 355.66      | 3983.83        | 4339.49    | 367.42      | 3983.83        | 4351.25    |
| PX-116 | Diesel Tanker 5000 Liter with Pump                            | Rs/Hr | 272.25      | 3050.83        | 3323.08    | 277.97      | 3050.83        | 3328.8     |
| PX-117 | Diesel Generator 20 KVA                                       | Rs/Hr | 65.1        | 2031.67        | 2096.77    | 65.42       | 2031.8         | 2097.22    |
| PX-118 | Diesel Generator 5 KVA  | Rs/Hr | 13.48       | 992.75         | 1006.23    | 13.52       | 992.76         | 1006.28    |
| PX-119 | Steel Rolling Machine   | Rs/Hr | 86.19       | 366.49         | 452.68     | 88.08       | 367.22         | 455.3      |
| PX-120 | Diesel Generator 13 KVA                                       | Rs/Hr | 63.09       | 1458.2         | 1521.29    | 63.13       | 1458.22        | 1521.35    |



## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

| Codes  | Description  | Unit  | South Waziristan |                |            | Swabi       |                |            |
|--------|--|-------|------------------|----------------|------------|-------------|----------------|------------|
|        |  |       | 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 | 4535.47          | 10828.96       | 15364.43   | 4542.08     | 10828.96       | 15371.04   |
| PE-002 | Bulldozer-200 HP (Crawler Dozer-Track Type) with Blade Capacity 4.4 cum                      | Rs/Hr | 3029.31          | 8831.46        | 11860.77   | 3034.19     | 8831.46        | 11865.65   |
| PE-003 | Bulldozer-130 HP (Crawler Dozer-Track Type) with Blade Capacity 2.7 cum                      | Rs/Hr | 2758.08          | 6889.41        | 9647.49    | 2760.98     | 6889.41        | 9650.39    |
| PE-004 | Wheel Loader 187HP with Bucket Capacity 3.3 cum  | Rs/Hr | 3610.99          | 7305.74        | 10916.73   | 3614.83     | 7305.74        | 10920.57   |
| PE-005 | Wheel Loader 166 HP with Bucket Capacity 2.8 cum   | Rs/Hr | 2850.65          | 6344.18        | 9194.83    | 2853.84     | 6344.18        | 9198.02    |
| PE-006 | Wheel Loader 135 HP with Bucket Capacity 1.90 cum  | Rs/Hr | 2654.53          | 5304.72        | 7959.25    | 2657.05     | 5304.72        | 7961.77    |
| PE-008 | Dumper loading Capacity 18 T   | Rs/Hr | 1519.98          | 3139.69        | 4659.67    | 1523.12     | 3139.69        | 4662.81    |
| PE-009 | Dumper loading Capacity 10 T   | Rs/Hr | 897.95           | 2939.03        | 3836.98    | 899.78      | 2939.03        | 3838.81    |
| PE-010 | Excavator (Track Type) 100 HP  | Rs/Hr | 2357.95          | 7787.91        | 10145.86   | 2362.99     | 7787.91        | 10150.9    |
| PE-011 | Compressor 300 CFM   | Rs/Hr | 413.79           | 7243.66        | 7657.45    | 414.27      | 7243.66        | 7657.93    |
| PE-012 | Rock Driller -Pneumatic-plug   | Rs/Hr | 21.59            | 511.25         | 532.84     | 21.6        | 511.26         | 532.86     |
| PE-013 | Electric Saw   | Rs/Hr | 1.38             | 474.2          | 475.58     | 1.38        | 474.2          | 475.58     |
| PE-014 | Petrol Motorized Chain Saw   | Rs/Hr | 8.84             | 350.2          | 359.04     | 8.84        | 334.94         | 343.78     |
| PE-015 | Electric Breaker (Demolition Hammer)   | Rs/Hr | 15.7             | 476.52         | 492.22     | 15.7        | 476.52         | 492.22     |
| PE-016 | Plate Compactor  | Rs/Hr | 86.78            | 962.31         | 1049.09    | 86.9        | 962.36         | 1049.26    |
| PE-017 | Pugmill 40 Tons per hour   | Rs/Hr | 1397.38          | 8814.35        | 10211.73   | 1443.08     | 8814.35        | 10257.43   |
| PR-018 | Combination Roller 18 T Single drum Pad/Sheep Foot Compactor                                 | Rs/Hr | 2213.84          | 6458.94        | 8672.78    | 2216.63     | 6458.97        | 8675.6     |
| PR-019 | Combination Roller 12 T (Single drum Pad/Sheep Foot Compactor)                               | Rs/Hr | 1486.13          | 5003.7         | 6489.83    | 1488.85     | 5003.73        | 6492.58    |
| PR-020 | Combination Roller 8T (Single drum Pad/Sheep Foot Compactor)                                 | Rs/Hr | 1405.34          | 4956.27        | 6361.61    | 1407.91     | 4956.3         | 6364.21    |
| PE-021 | Excavator (Track Type) 168 HP with Bucket Capacity 0.8 cum                                   | Rs/Hr | 2589.98          | 8159.3         | 10749.28   | 2595.38     | 8159.3         | 10754.68   |
| PE-022 | Excavator (Track Type) 250 HP with Bucket Capacity 1.4 cum                                   | Rs/Hr | 2910.25          | 10839.53       | 13749.78   | 2917.59     | 10839.53       | 13757.12   |
| PE-023 | Excavator (Track Type) 345 HP with Bucket Capacity 2.2 cum                                   | Rs/Hr | 3484.99          | 13784.13       | 17269.12   | 3494.83     | 13784.13       | 17278.96   |
| PE-024 | Jack Hammer side type for Excavator (Track Type) 168 HP with Bucket Capacity 0.9 cum         | Rs/Hr | 145.16           | 451.77         | 596.93     | 145.85      | 452.39         | 598.24     |
| PE-025 | Jack Hammer side type for Excavator (Track Type) 265/340 HP with Bucket Capacity 1.6/2.3 cum | Rs/Hr | 302.63           | 591.92         | 894.55     | 303.81      | 592.97         | 896.78     |
| PS-026 | Pipe Layer with lifting weight upto 25 Ton   | Rs/Hr | 2267.05          | 8216.74        | 10483.79   | 2273.54     | 8216.74        | 10490.28   |
| PR-031 | Motor Grader 250HP with Blade length 4.32m   | Rs/Hr | 4015.73          | 9636.81        | 13652.54   | 4020.29     | 9636.81        | 13657.1    |
| PR-032 | Motor Grader 218HP with Blade length 4.32m   | Rs/Hr | 3511.12          | 7865.01        | 11376.13   | 3514.88     | 7865.01        | 11379.89   |
| PR-033 | Tandem Roller 12 T   | Rs/Hr | 1781.07          | 4644.22        | 6425.29    | 1783.78     | 4644.25        | 6428.03    |
| PR-034 | Tandem Roller 8 T  | Rs/Hr | 1275.72          | 4380.24        | 5655.96    | 1277.9      | 4380.27        | 5658.17    |
| PR-035 | Tandem Roller 6 T  | Rs/Hr | 1179.91          | 2706.61        | 3886.52    | 1182.09     | 2706.63        | 3888.72    |
| PR-036 | Tandem Roller 1.50 T   | Rs/Hr | 423.95           | 2029.4         | 2453.35    | 424.35      | 2029.4         | 2453.75    |
| PR-037 | Combination Roller 18 T Single drum Plain Compactor  | Rs/Hr | 2015.63          | 5721.6         | 7737.23    | 2018.42     | 5721.6         | 7740.02    |
| PR-038 | Combination Roller 12 T (Single drum Plain Compactor)  | Rs/Hr | 1353.99          | 4987.1         | 6341.09    | 1356.71     | 4987.13        | 6343.84    |
| PR-039 | Combination Roller 8T (Single drum Plain Compactor)  | Rs/Hr | 1280.38          | 4945.52        | 6225.9     | 1282.95     | 4945.55        | 6228.5     |
| PR-040 | P.T.R. (8 - Wheeler) 24 T  | Rs/Hr | 1449.13          | 4499.43        | 5948.56    | 1454.79     | 4499.46        | 5954.25    |
| PR-041 | P.T.R. (8 - Wheeler) 18 T  | Rs/Hr | 1353.31          | 4428.57        | 5781.88    | 1358.97     | 4428.57        | 5787.54    |
| PR-043 | Tandem Roller 10 T   | Rs/Hr | 1392.08          | 4564.26        | 5956.34    | 1394.32     | 4564.28        | 5958.6     |
| PR-044 | Power Broom  | Rs/Hr | 30.64            | 349.85         | 380.49     | 32.27       | 351.3          | 383.57     |
| PR-045 | Bitumen Dist. Tow Type 2000 Liter  | Rs/Hr | 207.66           | 1255.35        | 1463.01    | 208.28      | 1255.35        | 1463.63    |
| PR-046 | Bitumen Sprayer (Manual) 250 gallon  | Rs/Hr | 26.24            | 514.07         | 540.31     | 27.03       | 514.38         | 541.41     |
| PR-047 | Chip Spreader up to 3M Wide (attachment)   | Rs/Hr | 293.28           | 1207.42        | 1500.7     | 295.99      | 1208.48        | 1504.47    |
| PR-048 | Asphalt Plant 140 T  | Rs/Hr | 22464.2          | 29037.73       | 51501.93   | 22509.89    | 29060.58       | 51570.47   |
| PR-049 | Asphalt Plant 120 T  | Rs/Hr | 21692.64         | 26717.97       | 48410.61   | 21721.09    | 26732.19       | 48453.28   |
| PR-050 | Asphalt Plant 40 T   | Rs/Hr | 4805.1           | 12728.24       | 17533.34   | 4827.06     | 12739.22       | 17566.28   |
| PR-051 | Asphalt Plant 20 T   | Rs/Hr | 3817.11          | 6157.49        | 9974.6     | 3832.29     | 6165.08        | 9997.37    |
| PR-052 | Asphalt Paver basic width 3m,max 5.9m Wide   | Rs/Hr | 7655.84          | 13105.18       | 20761.02   | 7659.99     | 13107.26       | 20767.25   |
| PR-053 | Asphalt Paver ( width 2.4-4.7 m)   | Rs/Hr | 7256.56          | 13172.38       | 20428.94   | 7260.12     | 13174.16       | 20434.28   |
| PR-054 | Cold Milling Machine 2 M Wide  | Rs/Hr | 6002.94          | 13877.25       | 19880.19   | 6012.94     | 13877.25       | 19890.19   |
| PR-055 | Hand Push high Pressure Cold and Rubber Paint Marking Machine                                | Rs/Hr | 532.97           | 913.18         | 1446.15    | 533.66      | 913.18         | 1446.84    |
| PR-056 | Aggregate Spreader Up to 3M Wide   | Rs/Hr | 7256.56          | 13172.38       | 20428.94   | 7260.12     | 13174.16       | 20434.28   |
| PR-057 | Asphalt Cutter   | Rs/Hr | 19.78            | 482.11         | 501.89     | 19.83       | 482.11         | 501.94     |
| PR-058 | Rock Crushing & Screening (200 T/Hr)   | Rs/Hr | 9934.84          | 5473.91        | 15408.75   | 9964.32     | 5484.23        | 15448.55   |
| PR-060 | Asphalt Recycling Machine 0 to 60mm depth - 3 to 4m width  120 tons/hr                       | Rs/Hr | 36492.92         | 19446.2        | 55939.12   | 36509.86    | 19446.2        | 55956.06   |
| PR-061 | Hand Push Thermoplastic Road Marking Machine with double cylinder preheater                  | Rs/Hr | 1032.47          | 1631.09        | 2663.56    | 1038.25     | 1631.09        | 2669.34    |
| PR-062 | Cordless Drill Machine   | Rs/Hr | 1.67             | 470.19         | 471.86     | 1.67        | 470.19         | 471.86     |
| PR-063 | Crawler Rock driller   | Rs/Hr | 2531.84          | 7953.39        | 10485.23   | 2534.43     | 7953.39        | 10487.82   |
| PS-064 | Grouting Machine(electric) out put 3.6 cum/hr  | Rs/Hr | 52.32            | 1073.22        | 1125.54    | 52.54       | 1073.22        | 1125.76    |
| PS-065 | Hydraulic jack with pump upto 2000 Ton   | Rs/Hr | 467.48           | 1160.55        | 1628.03    | 468.95      | 1160.55        | 1629.5     |
| PR-066 | Guard Rail Pile Driver Machine   | Rs/Hr | 268.75           | 1987.09        | 2255.84    | 272.91      | 1987.09        | 2260       |
| PS-071 | Concrete Batching Plant 25m3/hr  | Rs/Hr | 5298.82          | 5581.95        | 10880.77   | 5304.72     | 5584.02        | 10888.74   |
| PS-072 | Concrete Static Mixer 1 Cum  | Rs/Hr | 877.6            | 1082.71        | 1960.31    | 880.55      | 1083.74        | 1964.29    |
| PS-073 | Concrete Static Mixer 1/4 Cum  | Rs/Hr | 80.45            | 966.22         | 1046.67    | 83.4        | 967.25         | 1050.65    |
| PS-074 | Concrete Transit Mixer 6 Cum   | Rs/Hr | 2412.98          | 2989.97        | 5402.95    | 2416.51     | 2989.97        | 5406.48    |
| PS-075 | Concrete Transit Mixer 4 Cum   | Rs/Hr | 1477.82          | 2602.72        | 4080.54    | 1480.77     | 2602.72        | 4083.49    |
| PS-076 | Stressing Equipment for 6500 KN force with electric power                                    | Rs/Hr | 219.73           | 1124.72        | 1344.45    | 220.33      | 1124.72        | 1345.05    |
| PS-077 | Concrete Cutter  | Rs/Hr | 19.78            | 482.11         | 501.89     | 19.83       | 482.11         | 501.94     |
| PS-078 | Piling Rig (dia up to 1m)  | Rs/Hr | 13532.13         | 16029.71       | 29561.84   | 13626.47    | 16076.88       | 29703.35   |
| PS-079 | Piling Rig (Dia 1m to 2m)  | Rs/Hr | 29049.09         | 28763.7        | 57812.79   | 29089.89    | 28784.1        | 57873.99   |

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

| Codes  | Description   | Unit  | South Waziristan |                |            | Swabi       |                |            |
|--------|---|-------|------------------|----------------|------------|-------------|----------------|------------|
|        |   |       | Owning Cost      | Operating Cost | Total Cost | Owning Cost | Operating Cost | Total Cost |
| PS-080 | Vibrator (Poker 1.5 ")  | Rs/Hr | 4.5              | 560.17         | 564.67     | 4.5         | 560.17         | 564.67     |
| PS-081 | Percussion Boring Rig (Diesel)                                | Rs/Hr | 2637.2           | 10176.42       | 12813.62   | 2660.79     | 10188.22       | 12849.01   |
| PS-082 | Concrete Pump 33 m with tuck chassis                          | Rs/Hr | 2911.19          | 16272.99       | 19184.18   | 2965.43     | 16300.11       | 19265.54   |
| PS-083 | Girder Launcher (Erecting Capacity max 200 ton)               | Rs/Hr | 6971.7           | 5108.08        | 12079.78   | 7048.42     | 5138           | 12186.42   |
| PS-084 | Tripod & Chain Pulley (20 Ton)                                | Rs/Hr | 117.69           | 735.06         | 852.75     | 122.41      | 735.06         | 857.47     |
| PS-085 | Shotcrete Machine 5-8 cum/hr                                  | Rs/Hr | 391.17           | 2212.04        | 2603.21    | 391.77      | 2212.28        | 2604.05    |
| PS-086 | Concrete Slip form Paver 2 to 6m for Road Pavement            | Rs/Hr | 13352.13         | 14907.01       | 28259.14   | 13361.57    | 14907.01       | 28268.58   |
| PS-087 | Concrete Slip form Paver for Barrier,curbs,sidewalk up to 3 m | Rs/Hr | 5878.83          | 8552.16        | 14430.99   | 5887.56     | 8552.16        | 14439.72   |
| PR-088 | Asphalt Static Mixer 1 Cum                                    | Rs/Hr | 683.23           | 1014.68        | 1697.91    | 686.18      | 1015.71        | 1701.89    |
| PS-089 | Straight Rotary machine up to 250 mm dia with all tools       | Rs/Hr | 143.65           | 1495.75        | 1639.4     | 146.01      | 1499.03        | 1645.04    |
| PX-090 | Submersible Slug Pump with 65 ft Head                         | Rs/Hr | 15.61            | 83.82          | 99.43      | 15.63       | 83.83          | 99.46      |
| PX-091 | Tractor 80 HP   | Rs/Hr | 169.2            | 2889.6         | 3058.8     | 170.11      | 2889.6         | 3059.71    |
| PX-092 | Tractor 50 HP   | Rs/Hr | 68.28            | 1839.47        | 1907.75    | 68.77       | 1839.47        | 1908.24    |
| PX-093 | Water Tank Bowser Type 12000 Liter                            | Rs/Hr | 684.58           | 5938.5         | 6623.08    | 689.88      | 5938.5         | 6628.38    |
| PX-094 | Water Tank Tow Type 4000 Liter (Including Tractor)            | Rs/Hr | 175.99           | 1967.19        | 2143.18    | 178.54      | 1967.19        | 2145.73    |
| PX-095 | Flat Body Truck pay load upto 8 ton                           | Rs/Hr | 377.21           | 5379.68        | 5756.89    | 378.53      | 5379.68        | 5758.21    |
| PX-096 | Sedan Car 1300 cc   | Rs/Hr | 253.39           | 2107.38        | 2360.77    | 253.76      | 2107.38        | 2361.14    |
| PX-097 | Sedan Car 1000 cc   | Rs/Hr | 202.77           | 1407.39        | 1610.16    | 203.08      | 1407.39        | 1610.47    |
| PX-098 | Pickup 2800 cc 4 x 4  | Rs/Hr | 645.06           | 2622.29        | 3267.35    | 645.66      | 2622.29        | 3267.95    |
| PX-099 | Pickup 2200 cc 4 x 2  | Rs/Hr | 357.84           | 1763.16        | 2121       | 358.44      | 1763.16        | 2121.6     |
| PX-100 | Pickup 800 cc 4 x 2   | Rs/Hr | 101.7            | 845.68         | 947.38     | 101.89      | 845.68         | 947.57     |
| PX-101 | Jeep 1300 cc 4 x 4  | Rs/Hr | 416.75           | 1491.62        | 1908.37    | 416.99      | 1491.62        | 1908.61    |
| PX-102 | Trailer Low Bed 30 ton  | Rs/Hr | 950.7            | 6434.51        | 7385.21    | 953.81      | 6434.51        | 7388.32    |
| PX-103 | Crane up to 55 Ton  | Rs/Hr | 3066.49          | 10409.79       | 13476.28   | 3076.37     | 10409.79       | 13486.16   |
| PX-104 | Crane Upto 25 ton   | Rs/Hr | 1933.93          | 9209.8         | 11143.73   | 1941.69     | 9209.8         | 11151.49   |
| PX-105 | Electric Diaphragm Pump                                       | Rs/Hr | 29.45            | 126.16         | 155.61     | 29.6        | 126.22         | 155.82     |
| PX-106 | Sand Blasting Machine   | Rs/Hr | 309.52           | 832.68         | 1142.2     | 309.7       | 832.68         | 1142.38    |
| PX-107 | Dump Truck 30 ton (18 cum)                                    | Rs/Hr | 2041.63          | 10225.98       | 12267.61   | 2044.46     | 10225.98       | 12270.44   |
| PX-108 | Tractor with Trolley (8 ton)                                  | Rs/Hr | 166.39           | 2602.39        | 2768.78    | 167.07      | 2602.39        | 2769.46    |
| PX-109 | Welding Plant   | Rs/Hr | 3.03             | 85.78          | 88.81      | 3.06        | 85.79          | 88.85      |
| PX-110 | Generator (Diesel) 150 kVa                                    | Rs/Hr | 171.25           | 7438.25        | 7609.5     | 171.73      | 7438.44        | 7610.17    |
| PX-111 | Generator (Diesel) 250 kVa                                    | Rs/Hr | 305.74           | 11097.46       | 11403.2    | 306.41      | 11097.72       | 11404.13   |
| PX-112 | Diesel Tanker 25000 Liter with Pump                           | Rs/Hr | 686.18           | 7451.84        | 8138.02    | 694.44      | 7451.84        | 8146.28    |
| PX-113 | Forging /Shape Machine  | Rs/Hr | 32.24            | 546.01         | 578.25     | 32.38       | 546.01         | 578.39     |
| PX-114 | Generator (Diesel) 50 KVA                                     | Rs/Hr | 89.84            | 2673.79        | 2763.63    | 90.08       | 2673.89        | 2763.97    |
| PX-115 | Diesel Tanker 12000 Liter with Pump                           | Rs/Hr | 354.28           | 3983.83        | 4338.11    | 360.17      | 3983.83        | 4344       |
| PX-116 | Diesel Tanker 5000 Liter with Pump                            | Rs/Hr | 271.57           | 3050.83        | 3322.4     | 274.44      | 3050.83        | 3325.27    |
| PX-117 | Diesel Generator 20 KVA                                       | Rs/Hr | 65.07            | 2031.66        | 2096.73    | 65.23       | 2031.72        | 2096.95    |
| PX-118 | Diesel Generator 5 KVA  | Rs/Hr | 13.48            | 992.75         | 1006.23    | 13.5        | 992.75         | 1006.25    |
| PX-119 | Steel Rolling Machine   | Rs/Hr | 85.97            | 366.4          | 452.37     | 86.92       | 366.77         | 453.69     |
| PX-120 | Diesel Generator 13 KVA                                       | Rs/Hr | 63.08            | 1458.2         | 1521.28    | 63.11       | 1458.21        | 1521.32    |

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

| Codes  | Description  | Unit  | Swat        |                |            | Tank        |                |            |
|--------|--|-------|-------------|----------------|------------|-------------|----------------|------------|
|        |  |       | 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 | 4545.86     | 10828.96       | 15374.82   | 4523.97     | 10828.96       | 15352.93   |
| PE-002 | Bulldozer-200 HP (Crawler Dozer-Track Type) with Blade Capacity 4.4 cum                      | Rs/Hr | 3036.98     | 8831.46        | 11868.44   | 3020.82     | 8831.46        | 11852.28   |
| PE-003 | Bulldozer-130 HP (Crawler Dozer-Track Type) with Blade Capacity 2.7 cum                      | Rs/Hr | 2762.64     | 6889.41        | 9652.05    | 2753.02     | 6889.41        | 9642.43    |
| PE-004 | Wheel Loader 187HP with Bucket Capacity 3.3 cum  | Rs/Hr | 3617.02     | 7305.74        | 10922.76   | 3604.32     | 7305.74        | 10910.06   |
| PE-005 | Wheel Loader 166 HP with Bucket Capacity 2.8 cum   | Rs/Hr | 2855.67     | 6344.18        | 9199.85    | 2845.1      | 6344.18        | 9189.28    |
| PE-006 | Wheel Loader 135 HP with Bucket Capacity 1.90 cum  | Rs/Hr | 2658.5      | 5304.72        | 7963.22    | 2650.13     | 5304.72        | 7954.85    |
| PE-008 | Dumper loading Capacity 18 T   | Rs/Hr | 1524.92     | 3139.69        | 4664.61    | 1514.5      | 3139.69        | 4654.19    |
| PE-009 | Dumper loading Capacity 10 T   | Rs/Hr | 900.84      | 2939.03        | 3839.87    | 894.74      | 2939.03        | 3833.77    |
| PE-010 | Excavator (Track Type) 100 HP  | Rs/Hr | 2365.89     | 7787.91        | 10153.8    | 2349.16     | 7787.91        | 10137.07   |
| PE-011 | Compressor 300 CFM   | Rs/Hr | 414.54      | 7243.66        | 7658.2     | 412.97      | 7243.66        | 7656.63    |
| PE-012 | Rock Driller -Pneumatic-plug   | Rs/Hr | 21.6        | 511.26         | 532.86     | 21.59       | 511.25         | 532.84     |
| PE-013 | Electric Saw   | Rs/Hr | 1.38        | 474.2          | 475.58     | 1.38        | 474.2          | 475.58     |
| PE-014 | Petrol Motorized Chain Saw   | Rs/Hr | 8.84        | 357.3          | 366.14     | 8.84        | 311.32         | 320.16     |
| PE-015 | Electric Breaker (Demolition Hammer)   | Rs/Hr | 15.71       | 476.52         | 492.23     | 15.68       | 476.52         | 492.2      |
| PE-016 | Plate Compactor  | Rs/Hr | 86.96       | 962.38         | 1049.34    | 86.57       | 962.23         | 1048.8     |
| PE-017 | Pugmill 40 Tons per hour   | Rs/Hr | 1469.28     | 8814.35        | 10283.63   | 1317.76     | 8814.35        | 10132.11   |
| PR-018 | Combination Roller 18 T Single drum Pad/Sheep Foot Compactor                                 | Rs/Hr | 2218.24     | 6458.99        | 8677.23    | 2208.96     | 6458.88        | 8667.84    |
| PR-019 | Combination Roller 12 T (Single drum Pad/Sheep Foot Compactor)                               | Rs/Hr | 1490.41     | 5003.75        | 6494.16    | 1481.39     | 5003.65        | 6485.04    |
| PR-020 | Combination Roller 8T (Single drum Pad/Sheep Foot Compactor)                                 | Rs/Hr | 1409.38     | 4956.31        | 6365.69    | 1400.85     | 4956.22        | 6357.07    |
| PE-021 | Excavator (Track Type) 168 HP with Bucket Capacity 0.8 cum                                   | Rs/Hr | 2598.48     | 8159.3         | 10757.78   | 2580.57     | 8159.3         | 10739.87   |
| PE-022 | Excavator (Track Type) 250 HP with Bucket Capacity 1.4 cum                                   | Rs/Hr | 2921.79     | 10839.53       | 13761.32   | 2897.47     | 10839.53       | 13737      |
| PE-023 | Excavator (Track Type) 345 HP with Bucket Capacity 2.2 cum                                   | Rs/Hr | 3500.48     | 13784.13       | 17284.61   | 3467.84     | 13784.13       | 17251.97   |
| PE-024 | Jack Hammer side type for Excavator (Track Type) 168 HP with Bucket Capacity 0.9 cum         | Rs/Hr | 146.24      | 452.74         | 598.98     | 143.96      | 450.71         | 594.67     |
| PE-025 | Jack Hammer side type for Excavator (Track Type) 265/340 HP with Bucket Capacity 1.6/2.3 cum | Rs/Hr | 304.49      | 593.58         | 898.07     | 300.58      | 590.1          | 890.68     |
| PS-026 | Pipe Layer with lifting weight upto 25 Ton   | Rs/Hr | 2277.25     | 8216.74        | 10493.99   | 2255.75     | 8216.74        | 10472.49   |
| PR-031 | Motor Grader 250HP with Blade length 4.32m   | Rs/Hr | 4022.9      | 9636.81        | 13659.71   | 4007.8      | 9636.81        | 13644.61   |
| PR-032 | Motor Grader 218HP with Blade length 4.32m   | Rs/Hr | 3517.04     | 7865.01        | 11382.05   | 3504.56     | 7865.01        | 11369.57   |
| PR-033 | Tandem Roller 12 T   | Rs/Hr | 1785.33     | 4644.27        | 6429.6     | 1776.34     | 4644.17        | 6420.51    |
| PR-034 | Tandem Roller 8 T  | Rs/Hr | 1279.15     | 4380.28        | 5659.43    | 1271.91     | 4380.2         | 5652.11    |
| PR-035 | Tandem Roller 6 T  | Rs/Hr | 1183.34     | 2706.64        | 3889.98    | 1176.1      | 2706.56        | 3882.66    |
| PR-036 | Tandem Roller 1.50 T   | Rs/Hr | 424.58      | 2029.41        | 2453.99    | 423.25      | 2029.39        | 2452.64    |
| PR-037 | Combination Roller 18 T Single drum Plain Compactor  | Rs/Hr | 2020.03     | 5721.6         | 7741.63    | 2010.75     | 5721.6         | 7732.35    |
| PR-038 | Combination Roller 12 T (Single drum Plain Compactor)  | Rs/Hr | 1358.27     | 4987.15        | 6345.42    | 1349.25     | 4987.05        | 6336.3     |
| PR-039 | Combination Roller 8T (Single drum Plain Compactor)  | Rs/Hr | 1284.43     | 4945.57        | 6230       | 1275.9      | 4945.47        | 6221.37    |
| PR-040 | P.T.R. (8 - Wheeler) 24 T  | Rs/Hr | 1458.03     | 4499.47        | 5957.5     | 1439.26     | 4499.38        | 5938.64    |
| PR-041 | P.T.R. (8 - Wheeler) 18 T  | Rs/Hr | 1362.22     | 4428.57        | 5790.79    | 1343.45     | 4428.57        | 5772.02    |
| PR-043 | Tandem Roller 10 T   | Rs/Hr | 1395.6      | 4564.3         | 5959.9     | 1388.19     | 4564.22        | 5952.41    |
| PR-044 | Power Broom  | Rs/Hr | 33.2        | 352.13         | 385.33     | 27.82       | 347.34         | 375.16     |
| PR-045 | Bitumen Dist. Tow Type 2000 Liter  | Rs/Hr | 208.63      | 1255.35        | 1463.98    | 206.6       | 1255.35        | 1461.95    |
| PR-046 | Bitumen Sprayer (Manual) 250 gallon  | Rs/Hr | 27.48       | 514.55         | 542.03     | 24.87       | 513.53         | 538.4      |
| PR-047 | Chip Spreader up to 3M Wide (attachment)   | Rs/Hr | 297.55      | 1209.09        | 1506.64    | 288.56      | 1205.58        | 1494.14    |
| PR-048 | Asphalt Plant 140 T  | Rs/Hr | 22536.09    | 29073.68       | 51609.77   | 22384.57    | 28997.92       | 51382.49   |
| PR-049 | Asphalt Plant 120 T  | Rs/Hr | 21737.4     | 26740.35       | 48477.75   | 21643.07    | 26693.18       | 48336.25   |
| PR-050 | Asphalt Plant 40 T   | Rs/Hr | 4839.66     | 12745.52       | 17585.18   | 4766.83     | 12709.1        | 17475.93   |
| PR-051 | Asphalt Plant 20 T   | Rs/Hr | 3841        | 6169.43        | 10010.43   | 3790.65     | 6144.26        | 9934.91    |
| PR-052 | Asphalt Paver basic width 3m,max 5.9m Wide   | Rs/Hr | 7662.37     | 13108.45       | 20770.82   | 7648.6      | 13101.56       | 20750.16   |
| PR-053 | Asphalt Paver ( width 2.4-4.7 m)   | Rs/Hr | 7262.16     | 13175.18       | 20437.34   | 7250.35     | 13169.28       | 20419.63   |
| PR-054 | Cold Milling Machine 2 M Wide  | Rs/Hr | 6018.67     | 13877.25       | 19895.92   | 5985.53     | 13877.25       | 19862.78   |
| PR-055 | Hand Push high Pressure Cold and Rubber Paint Marking Machine                                | Rs/Hr | 534.05      | 913.18         | 1447.23    | 531.78      | 913.18         | 1444.96    |
| PR-056 | Aggregate Spreader Up to 3M Wide   | Rs/Hr | 7262.16     | 13175.18       | 20437.34   | 7250.35     | 13169.28       | 20419.63   |
| PR-057 | Asphalt Cutter   | Rs/Hr | 19.85       | 482.11         | 501.96     | 19.71       | 482.11         | 501.82     |
| PR-058 | Rock Crushing & Screening (200 T/Hr)   | Rs/Hr | 9981.23     | 5490.15        | 15471.38   | 9883.47     | 5455.93        | 15339.4    |
| PR-060 | Asphalt Recycling Machine 0 to 60mm depth - 3 to 4m width  120 tons/hr                       | Rs/Hr | 36519.58    | 19446.2        | 55965.78   | 36463.39    | 19446.2        | 55909.59   |
| PR-061 | Hand Push Thermoplastic Road Marking Machine with double cylinder preheater                  | Rs/Hr | 1041.57     | 1631.09        | 2672.66    | 1022.39     | 1631.09        | 2653.48    |
| PR-062 | Cordless Drill Machine   | Rs/Hr | 1.67        | 470.19         | 471.86     | 1.67        | 470.19         | 471.86     |
| PR-063 | Crawler Rock driller   | Rs/Hr | 2535.92     | 7953.39        | 10489.31   | 2527.31     | 7953.39        | 10480.7    |
| PS-064 | Grouting Machine(electric) out put 3.6 cum/hr  | Rs/Hr | 52.67       | 1073.22        | 1125.89    | 51.93       | 1073.22        | 1125.15    |
| PS-065 | Hydraulic jack with pump upto 2000 Ton   | Rs/Hr | 469.8       | 1160.55        | 1630.35    | 464.91      | 1160.55        | 1625.46    |
| PR-066 | Guard Rail Pile Driver Machine   | Rs/Hr | 275.29      | 1987.09        | 2262.38    | 261.51      | 1987.09        | 2248.6     |
| PS-071 | Concrete Batching Plant 25m3/hr  | Rs/Hr | 5308.1      | 5585.2         | 10893.3    | 5288.55     | 5578.36        | 10866.91   |
| PS-072 | Concrete Static Mixer 1 Cum  | Rs/Hr | 882.24      | 1084.34        | 1966.58    | 872.46      | 1080.91        | 1953.37    |
| PS-073 | Concrete Static Mixer 1/4 Cum  | Rs/Hr | 85.09       | 967.84         | 1052.93    | 75.31       | 964.42         | 1039.73    |
| PS-074 | Concrete Transit Mixer 6 Cum   | Rs/Hr | 2418.54     | 2989.97        | 5408.51    | 2406.81     | 2989.97        | 5396.78    |
| PS-075 | Concrete Transit Mixer 4 Cum   | Rs/Hr | 1482.46     | 2602.72        | 4085.18    | 1472.68     | 2602.72        | 4075.4     |
| PS-076 | Stressing Equipment for 6500 KN force with electric power                                    | Rs/Hr | 220.67      | 1124.72        | 1345.39    | 218.68      | 1124.72        | 1343.4     |
| PS-077 | Concrete Cutter  | Rs/Hr | 19.85       | 482.11         | 501.96     | 19.71       | 482.11         | 501.82     |
| PS-078 | Piling Rig (dia up to 1m)  | Rs/Hr | 13680.56    | 16103.92       | 29784.48   | 13367.75    | 15947.52       | 29315.27   |
| PS-079 | Piling Rig (Dia 1m to 2m)  | Rs/Hr | 29113.28    | 28795.79       | 57909.07   | 28977.99    | 28728.15       | 57706.14   |

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

| Codes  | Description   | Unit  | Swat        |                |            | Tank        |                |            |
|--------|---|-------|-------------|----------------|------------|-------------|----------------|------------|
|        |   |       | Owning Cost | Operating Cost | Total Cost | Owning Cost | Operating Cost | Total Cost |
| PS-080 | Vibrator (Poker 1.5 ")  | Rs/Hr | 4.5         | 560.17         | 564.67     | 4.49        | 560.17         | 564.66     |
| PS-081 | Percussion Boring Rig (Diesel)                                | Rs/Hr | 2674.31     | 10194.98       | 12869.29   | 2596.11     | 10155.88       | 12751.99   |
| PS-082 | Concrete Pump 33 m with tuck chassis                          | Rs/Hr | 2996.53     | 16315.66       | 19312.19   | 2816.66     | 16225.73       | 19042.39   |
| PS-083 | Girder Launcher (Erecting Capacity max 200 ton)               | Rs/Hr | 7092.42     | 5155.16        | 12247.58   | 6838        | 5055.94        | 11893.94   |
| PS-084 | Tripod & Chain Pulley (20 Ton)                                | Rs/Hr | 125.12      | 735.06         | 860.18     | 109.47      | 735.06         | 844.53     |
| PS-085 | Shotcrete Machine 5-8 cum/hr                                  | Rs/Hr | 392.11      | 2212.41        | 2604.52    | 390.14      | 2211.64        | 2601.78    |
| PS-086 | Concrete Slip form Paver 2 to 6m for Road Pavement            | Rs/Hr | 13366.98    | 14907.01       | 28273.99   | 13335.7     | 14907.01       | 28242.71   |
| PS-087 | Concrete Slip form Paver for Barrier,curbs,sidewalk up to 3 m | Rs/Hr | 5892.56     | 8552.16        | 14444.72   | 5863.62     | 8552.16        | 14415.78   |
| PR-088 | Asphalt Static Mixer 1 Cum                                    | Rs/Hr | 687.87      | 1016.31        | 1704.18    | 678.09      | 1012.88        | 1690.97    |
| PS-089 | Straight Rotary machine up to 250 mm dia with all tools       | Rs/Hr | 147.36      | 1500.91        | 1648.27    | 139.54      | 1490.04        | 1629.58    |
| PX-090 | Submersible Slug Pump with 65 ft Head                         | Rs/Hr | 15.65       | 83.84          | 99.49      | 15.55       | 83.8           | 99.35      |
| PX-091 | Tractor 80 HP   | Rs/Hr | 170.62      | 2889.6         | 3060.22    | 167.63      | 2889.6         | 3057.23    |
| PX-092 | Tractor 50 HP   | Rs/Hr | 69.05       | 1839.47        | 1908.52    | 67.43       | 1839.47        | 1906.9     |
| PX-093 | Water Tank Bowser Type 12000 Liter                            | Rs/Hr | 692.92      | 5938.5         | 6631.42    | 675.33      | 5938.5         | 6613.83    |
| PX-094 | Water Tank Tow Type 4000 Liter (Including Tractor)            | Rs/Hr | 180         | 1967.19        | 2147.19    | 171.54      | 1967.19        | 2138.73    |
| PX-095 | Flat Body Truck pay load upto 8 ton                           | Rs/Hr | 379.29      | 5379.68        | 5758.97    | 374.91      | 5379.68        | 5754.59    |
| PX-096 | Sedan Car 1300 cc   | Rs/Hr | 253.98      | 2107.38        | 2361.36    | 252.73      | 2107.38        | 2360.11    |
| PX-097 | Sedan Car 1000 cc   | Rs/Hr | 203.25      | 1407.39        | 1610.64    | 202.24      | 1407.39        | 1609.63    |
| PX-098 | Pickup 2800 cc 4 x 4  | Rs/Hr | 646         | 2622.29        | 3268.29    | 644.01      | 2622.29        | 3266.3     |
| PX-099 | Pickup 2200 cc 4 x 2  | Rs/Hr | 358.78      | 1763.16        | 2121.94    | 356.8       | 1763.16        | 2119.96    |
| PX-100 | Pickup 800 cc 4 x 2   | Rs/Hr | 102         | 845.68         | 947.68     | 101.37      | 845.68         | 947.05     |
| PX-101 | Jeep 1300 cc 4 x 4  | Rs/Hr | 417.12      | 1491.62        | 1908.74    | 416.34      | 1491.62        | 1907.96    |
| PX-102 | Trailer Low Bed 30 ton  | Rs/Hr | 955.6       | 6434.51        | 7390.11    | 945.28      | 6434.51        | 7379.79    |
| PX-103 | Crane up to 55 Ton  | Rs/Hr | 3082.03     | 10409.79       | 13491.82   | 3049.28     | 10409.79       | 13459.07   |
| PX-104 | Crane Upto 25 ton   | Rs/Hr | 1946.14     | 9209.8         | 11155.94   | 1920.41     | 9209.8         | 11130.21   |
| PX-105 | Electric Diaphragm Pump                                       | Rs/Hr | 29.69       | 126.26         | 155.95     | 29.2        | 126.07         | 155.27     |
| PX-106 | Sand Blasting Machine   | Rs/Hr | 309.81      | 832.68         | 1142.49    | 309.19      | 832.68         | 1141.87    |
| PX-107 | Dump Truck 30 ton (18 cum)                                    | Rs/Hr | 2046.08     | 10225.98       | 12272.06   | 2036.69     | 10225.98       | 12262.67   |
| PX-108 | Tractor with Trolley (8 ton)                                  | Rs/Hr | 167.46      | 2602.39        | 2769.85    | 165.22      | 2602.39        | 2767.61    |
| PX-109 | Welding Plant   | Rs/Hr | 3.07        | 85.8           | 88.87      | 2.98        | 85.76          | 88.74      |
| PX-110 | Generator (Diesel) 150 kVa                                    | Rs/Hr | 172         | 7438.54        | 7610.54    | 170.42      | 7437.93        | 7608.35    |
| PX-111 | Generator (Diesel) 250 kVa                                    | Rs/Hr | 306.8       | 11097.87       | 11404.67   | 304.57      | 11097          | 11401.57   |
| PX-112 | Diesel Tanker 25000 Liter with Pump                           | Rs/Hr | 699.17      | 7451.84        | 8151.01    | 671.8       | 7451.84        | 8123.64    |
| PX-113 | Forging /Shape Machine  | Rs/Hr | 32.47       | 546.01         | 578.48     | 31.98       | 546.01         | 577.99     |
| PX-114 | Generator (Diesel) 50 KVA                                     | Rs/Hr | 90.22       | 2673.94        | 2764.16    | 89.43       | 2673.63        | 2763.06    |
| PX-115 | Diesel Tanker 12000 Liter with Pump                           | Rs/Hr | 363.55      | 3983.83        | 4347.38    | 344         | 3983.83        | 4327.83    |
| PX-116 | Diesel Tanker 5000 Liter with Pump                            | Rs/Hr | 276.09      | 3050.83        | 3326.92    | 266.57      | 3050.83        | 3317.4     |
| PX-117 | Diesel Generator 20 KVA                                       | Rs/Hr | 65.32       | 2031.76        | 2097.08    | 64.79       | 2031.55        | 2096.34    |
| PX-118 | Diesel Generator 5 KVA  | Rs/Hr | 13.51       | 992.76         | 1006.27    | 13.44       | 992.73         | 1006.17    |
| PX-119 | Steel Rolling Machine   | Rs/Hr | 87.46       | 366.98         | 454.44     | 84.33       | 365.76         | 450.09     |
| PX-120 | Diesel Generator 13 KVA                                       | Rs/Hr | 63.12       | 1458.21        | 1521.33    | 63.05       | 1458.19        | 1521.24    |

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

| Codes  | Description  | Unit  | Torghar     |                |            | Dir upper   |                |            |
|--------|--|-------|-------------|----------------|------------|-------------|----------------|------------|
|        |  |       | 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 | 4549.71     | 10828.96       | 15378.67   | 4551.85     | 10828.96       | 15380.81   |
| PE-002 | Bulldozer-200 HP (Crawler Dozer-Track Type) with Blade Capacity 4.4 cum                      | Rs/Hr | 3039.82     | 8831.46        | 11871.28   | 3041.4      | 8831.46        | 11872.86   |
| PE-003 | Bulldozer-130 HP (Crawler Dozer-Track Type) with Blade Capacity 2.7 cum                      | Rs/Hr | 2764.33     | 6889.41        | 9653.74    | 2765.27     | 6889.41        | 9654.68    |
| PE-004 | Wheel Loader 187HP with Bucket Capacity 3.3 cum  | Rs/Hr | 3619.25     | 7305.74        | 10924.99   | 3620.5      | 7305.74        | 10926.24   |
| PE-005 | Wheel Loader 166 HP with Bucket Capacity 2.8 cum   | Rs/Hr | 2857.53     | 6344.18        | 9201.71    | 2858.56     | 6344.18        | 9202.74    |
| PE-006 | Wheel Loader 135 HP with Bucket Capacity 1.90 cum  | Rs/Hr | 2659.96     | 5304.72        | 7964.68    | 2660.78     | 5304.72        | 7965.5     |
| PE-008 | Dumper loading Capacity 18 T   | Rs/Hr | 1526.75     | 3139.69        | 4666.44    | 1527.77     | 3139.69        | 4667.46    |
| PE-009 | Dumper loading Capacity 10 T   | Rs/Hr | 901.91      | 2939.03        | 3840.94    | 902.51      | 2939.03        | 3841.54    |
| PE-010 | Excavator (Track Type) 100 HP  | Rs/Hr | 2368.82     | 7787.91        | 10156.73   | 2370.45     | 7787.91        | 10158.36   |
| PE-011 | Compressor 300 CFM   | Rs/Hr | 414.82      | 7243.66        | 7658.48    | 414.97      | 7243.66        | 7658.63    |
| PE-012 | Rock Driller -Pneumatic-plug   | Rs/Hr | 21.61       | 511.26         | 532.87     | 21.61       | 511.26         | 532.87     |
| PE-013 | Electric Saw   | Rs/Hr | 1.38        | 474.2          | 475.58     | 1.38        | 474.2          | 475.58     |
| PE-014 | Petrol Motorized Chain Saw   | Rs/Hr | 8.85        | 345.7          | 354.55     | 8.85        | 339.27         | 348.12     |
| PE-015 | Electric Breaker (Demolition Hammer)   | Rs/Hr | 15.71       | 476.52         | 492.23     | 15.71       | 476.52         | 492.23     |
| PE-016 | Plate Compactor  | Rs/Hr | 87.03       | 962.41         | 1049.44    | 87.07       | 962.43         | 1049.5     |
| PE-017 | Pugmill 40 Tons per hour   | Rs/Hr | 1495.86     | 8814.35        | 10310.21   | 1510.67     | 8814.35        | 10325.02   |
| PR-018 | Combination Roller 18 T Single drum Pad/Sheep Foot Compactor                                 | Rs/Hr | 2219.86     | 6459           | 8678.86    | 2220.77     | 6459.01        | 8679.78    |
| PR-019 | Combination Roller 12 T (Single drum Pad/Sheep Foot Compactor)                               | Rs/Hr | 1491.99     | 5003.76        | 6495.75    | 1492.87     | 5003.77        | 6496.64    |
| PR-020 | Combination Roller 8T (Single drum Pad/Sheep Foot Compactor)                                 | Rs/Hr | 1410.88     | 4956.33        | 6367.21    | 1411.71     | 4956.34        | 6368.05    |
| PE-021 | Excavator (Track Type) 168 HP with Bucket Capacity 0.8 cum                                   | Rs/Hr | 2601.62     | 8159.3         | 10760.92   | 2603.37     | 8159.3         | 10762.67   |
| PE-022 | Excavator (Track Type) 250 HP with Bucket Capacity 1.4 cum                                   | Rs/Hr | 2926.06     | 10839.53       | 13765.59   | 2928.44     | 10839.53       | 13767.97   |
| PE-023 | Excavator (Track Type) 345 HP with Bucket Capacity 2.2 cum                                   | Rs/Hr | 3506.21     | 13784.13       | 17290.34   | 3509.4      | 13784.13       | 17293.53   |
| PE-024 | Jack Hammer side type for Excavator (Track Type) 168 HP with Bucket Capacity 0.9 cum         | Rs/Hr | 146.64      | 453.09         | 599.73     | 146.86      | 453.29         | 600.15     |
| PE-025 | Jack Hammer side type for Excavator (Track Type) 265/340 HP with Bucket Capacity 1.6/2.3 cum | Rs/Hr | 305.17      | 594.18         | 899.35     | 305.55      | 594.52         | 900.07     |
| PS-026 | Pipe Layer with lifting weight upto 25 Ton   | Rs/Hr | 2281.03     | 8216.74        | 10497.77   | 2283.13     | 8216.74        | 10499.87   |
| PR-031 | Motor Grader 250HP with Blade length 4.32m   | Rs/Hr | 4025.54     | 9636.81        | 13662.35   | 4027.02     | 9636.81        | 13663.83   |
| PR-032 | Motor Grader 218HP with Blade length 4.32m   | Rs/Hr | 3519.22     | 7865.01        | 11384.23   | 3520.44     | 7865.01        | 11385.45   |
| PR-033 | Tandem Roller 12 T   | Rs/Hr | 1786.91     | 4644.28        | 6431.19    | 1787.79     | 4644.29        | 6432.08    |
| PR-034 | Tandem Roller 8 T  | Rs/Hr | 1280.42     | 4380.29        | 5660.71    | 1281.13     | 4380.3         | 5661.43    |
| PR-035 | Tandem Roller 6 T  | Rs/Hr | 1184.61     | 2706.66        | 3891.27    | 1185.32     | 2706.67        | 3891.99    |
| PR-036 | Tandem Roller 1.50 T   | Rs/Hr | 424.82      | 2029.41        | 2454.23    | 424.95      | 2029.41        | 2454.36    |
| PR-037 | Combination Roller 18 T Single drum Plain Compactor  | Rs/Hr | 2021.65     | 5721.6         | 7743.25    | 2022.56     | 5721.6         | 7744.16    |
| PR-038 | Combination Roller 12 T (Single drum Plain Compactor)  | Rs/Hr | 1359.85     | 4987.17        | 6347.02    | 1360.73     | 4987.18        | 6347.91    |
| PR-039 | Combination Roller 8T (Single drum Plain Compactor)  | Rs/Hr | 1285.93     | 4945.58        | 6231.51    | 1286.76     | 4945.59        | 6232.35    |
| PR-040 | P.T.R. (8 - Wheeler) 24 T  | Rs/Hr | 1461.32     | 4499.49        | 5960.81    | 1463.16     | 4499.5         | 5962.66    |
| PR-041 | P.T.R. (8 - Wheeler) 18 T  | Rs/Hr | 1365.51     | 4428.57        | 5794.08    | 1367.35     | 4428.57        | 5795.92    |
| PR-043 | Tandem Roller 10 T   | Rs/Hr | 1396.9      | 4564.31        | 5961.21    | 1397.62     | 4564.32        | 5961.94    |
| PR-044 | Power Broom  | Rs/Hr | 34.14       | 352.97         | 387.11     | 34.67       | 353.44         | 388.11     |
| PR-045 | Bitumen Dist. Tow Type 2000 Liter  | Rs/Hr | 208.99      | 1255.35        | 1464.34    | 209.18      | 1255.35        | 1464.53    |
| PR-046 | Bitumen Sprayer (Manual) 250 gallon  | Rs/Hr | 27.93       | 514.73         | 542.66     | 28.19       | 514.83         | 543.02     |
| PR-047 | Chip Spreader up to 3M Wide (attachment)   | Rs/Hr | 299.13      | 1209.7         | 1508.83    | 300.01      | 1210.05        | 1510.06    |
| PR-048 | Asphalt Plant 140 T  | Rs/Hr | 22562.67    | 29086.97       | 51649.64   | 22577.48    | 29094.37       | 51671.85   |
| PR-049 | Asphalt Plant 120 T  | Rs/Hr | 21753.95    | 26748.62       | 48502.57   | 21763.17    | 26753.23       | 48516.4    |
| PR-050 | Asphalt Plant 40 T   | Rs/Hr | 4852.43     | 12751.9        | 17604.33   | 4859.55     | 12755.46       | 17615.01   |
| PR-051 | Asphalt Plant 20 T   | Rs/Hr | 3849.83     | 6173.85        | 10023.68   | 3854.75     | 6176.31        | 10031.06   |
| PR-052 | Asphalt Paver basic width 3m,max 5.9m Wide   | Rs/Hr | 7664.78     | 13109.65       | 20774.43   | 7666.13     | 13110.33       | 20776.46   |
| PR-053 | Asphalt Paver ( width 2.4-4.7 m)   | Rs/Hr | 7264.23     | 13176.22       | 20440.45   | 7265.39     | 13176.8        | 20442.19   |
| PR-054 | Cold Milling Machine 2 M Wide  | Rs/Hr | 6024.48     | 13877.25       | 19901.73   | 6027.72     | 13877.25       | 19904.97   |
| PR-055 | Hand Push high Pressure Cold and Rubber Paint Marking Machine                                | Rs/Hr | 534.45      | 913.18         | 1447.63    | 534.67      | 913.18         | 1447.85    |
| PR-056 | Aggregate Spreader Up to 3M Wide   | Rs/Hr | 7264.23     | 13176.22       | 20440.45   | 7265.39     | 13176.8        | 20442.19   |
| PR-057 | Asphalt Cutter   | Rs/Hr | 19.88       | 482.11         | 501.99     | 19.89       | 482.11         | 502        |
| PR-058 | Rock Crushing & Screening (200 T/Hr)   | Rs/Hr | 9998.38     | 5496.15        | 15494.53   | 10007.93    | 5499.49        | 15507.42   |
| PR-060 | Asphalt Recycling Machine 0 to 60mm depth - 3 to 4m width  120 tons/hr                       | Rs/Hr | 36529.44    | 19446.2        | 55975.64   | 36534.93    | 19446.2        | 55981.13   |
| PR-061 | Hand Push Thermoplastic Road Marking Machine with double cylinder preheater                  | Rs/Hr | 1044.93     | 1631.09        | 2676.02    | 1046.8      | 1631.09        | 2677.89    |
| PR-062 | Cordless Drill Machine   | Rs/Hr | 1.67        | 470.19         | 471.86     | 1.67        | 470.19         | 471.86     |
| PR-063 | Crawler Rock driller   | Rs/Hr | 2537.43     | 7953.39        | 10490.82   | 2538.27     | 7953.39        | 10491.66   |
| PS-064 | Grouting Machine(electric) out put 3.6 cum/hr  | Rs/Hr | 52.8        | 1073.22        | 1126.02    | 52.87       | 1073.22        | 1126.09    |
| PS-065 | Hydraulic jack with pump upto 2000 Ton   | Rs/Hr | 470.65      | 1160.55        | 1631.2     | 471.13      | 1160.55        | 1631.68    |
| PR-066 | Guard Rail Pile Driver Machine   | Rs/Hr | 277.71      | 1987.09        | 2264.8     | 279.06      | 1987.09        | 2266.15    |
| PS-071 | Concrete Batching Plant 25m3/hr  | Rs/Hr | 5311.53     | 5586.4         | 10897.93   | 5313.44     | 5587.07        | 10900.51   |
| PS-072 | Concrete Static Mixer 1 Cum  | Rs/Hr | 883.95      | 1084.93        | 1968.88    | 884.91      | 1085.27        | 1970.18    |
| PS-073 | Concrete Static Mixer 1/4 Cum  | Rs/Hr | 86.8        | 968.44         | 1055.24    | 87.76       | 968.78         | 1056.54    |
| PS-074 | Concrete Transit Mixer 6 Cum   | Rs/Hr | 2420.6      | 2989.97        | 5410.57    | 2421.75     | 2989.97        | 5411.72    |
| PS-075 | Concrete Transit Mixer 4 Cum   | Rs/Hr | 1484.17     | 2602.72        | 4086.89    | 1485.13     | 2602.72        | 4087.85    |
| PS-076 | Stressing Equipment for 6500 KN force with electric power                                    | Rs/Hr | 221.02      | 1124.72        | 1345.74    | 221.22      | 1124.72        | 1345.94    |
| PS-077 | Concrete Cutter  | Rs/Hr | 19.88       | 482.11         | 501.99     | 19.89       | 482.11         | 502        |
| PS-078 | Piling Rig (dia up to 1m)  | Rs/Hr | 13735.44    | 16131.36       | 29866.8    | 13766.02    | 16146.65       | 29912.67   |
| PS-079 | Piling Rig (Dia 1m to 2m)  | Rs/Hr | 29137.02    | 28807.66       | 57944.68   | 29150.24    | 28814.27       | 57964.51   |

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

| Codes  | Description   | Unit  | Torghar     |                |            | Dir upper   |                |            |
|--------|---|-------|-------------|----------------|------------|-------------|----------------|------------|
|        |   |       | Owning Cost | Operating Cost | Total Cost | Owning Cost | Operating Cost | Total Cost |
| PS-080 | Vibrator (Poker 1.5 ")  | Rs/Hr | 4.51        | 560.17         | 564.68     | 4.51        | 560.17         | 564.68     |
| PS-081 | Percussion Boring Rig (Diesel)                                | Rs/Hr | 2688.03     | 10201.84       | 12889.87   | 2695.67     | 10205.66       | 12901.33   |
| PS-082 | Concrete Pump 33 m with tuck chassis                          | Rs/Hr | 3028.09     | 16331.44       | 19359.53   | 3045.67     | 16340.23       | 19385.9    |
| PS-083 | Girder Launcher (Erecting Capacity max 200 ton)               | Rs/Hr | 7137.06     | 5172.57        | 12309.63   | 7161.93     | 5182.27        | 12344.2    |
| PS-084 | Tripod & Chain Pulley (20 Ton)                                | Rs/Hr | 127.86      | 735.06         | 862.92     | 129.39      | 735.06         | 864.45     |
| PS-085 | Shotcrete Machine 5-8 cum/hr                                  | Rs/Hr | 392.46      | 2212.55        | 2605.01    | 392.65      | 2212.62        | 2605.27    |
| PS-086 | Concrete Slip form Paver 2 to 6m for Road Pavement            | Rs/Hr | 13372.46    | 14907.01       | 28279.47   | 13375.52    | 14907.01       | 28282.53   |
| PS-087 | Concrete Slip form Paver for Barrier,curbs,sidewalk up to 3 m | Rs/Hr | 5897.64     | 8552.16        | 14449.8    | 5900.46     | 8552.16        | 14452.62   |
| PR-088 | Asphalt Static Mixer 1 Cum                                    | Rs/Hr | 689.58      | 1016.9         | 1706.48    | 690.54      | 1017.24        | 1707.78    |
| PS-089 | Straight Rotary machine up to 250 mm dia with all tools       | Rs/Hr | 148.73      | 1502.81        | 1651.54    | 149.49      | 1503.87        | 1653.36    |
| PX-090 | Submersible Slug Pump with 65 ft Head                         | Rs/Hr | 15.67       | 83.85          | 99.52      | 15.68       | 83.85          | 99.53      |
| PX-091 | Tractor 80 HP   | Rs/Hr | 171.15      | 2889.6         | 3060.75    | 171.44      | 2889.6         | 3061.04    |
| PX-092 | Tractor 50 HP   | Rs/Hr | 69.33       | 1839.47        | 1908.8     | 69.49       | 1839.47        | 1908.96    |
| PX-093 | Water Tank Bowser Type 12000 Liter                            | Rs/Hr | 696.01      | 5938.5         | 6634.51    | 697.73      | 5938.5         | 6636.23    |
| PX-094 | Water Tank Tow Type 4000 Liter (Including Tractor)            | Rs/Hr | 181.49      | 1967.19        | 2148.68    | 182.32      | 1967.19        | 2149.51    |
| PX-095 | Flat Body Truck pay load upto 8 ton                           | Rs/Hr | 380.06      | 5379.68        | 5759.74    | 380.49      | 5379.68        | 5760.17    |
| PX-096 | Sedan Car 1300 cc   | Rs/Hr | 254.2       | 2107.38        | 2361.58    | 254.32      | 2107.38        | 2361.7     |
| PX-097 | Sedan Car 1000 cc   | Rs/Hr | 203.43      | 1407.39        | 1610.82    | 203.52      | 1407.39        | 1610.91    |
| PX-098 | Pickup 2800 cc 4 x 4  | Rs/Hr | 646.35      | 2622.29        | 3268.64    | 646.54      | 2622.29        | 3268.83    |
| PX-099 | Pickup 2200 cc 4 x 2  | Rs/Hr | 359.13      | 1763.16        | 2122.29    | 359.32      | 1763.16        | 2122.48    |
| PX-100 | Pickup 800 cc 4 x 2   | Rs/Hr | 102.12      | 845.68         | 947.8      | 102.18      | 845.68         | 947.86     |
| PX-101 | Jeep 1300 cc 4 x 4  | Rs/Hr | 417.26      | 1491.62        | 1908.88    | 417.34      | 1491.62        | 1908.96    |
| PX-102 | Trailer Low Bed 30 ton  | Rs/Hr | 957.41      | 6434.51        | 7391.92    | 958.42      | 6434.51        | 7392.93    |
| PX-103 | Crane up to 55 Ton  | Rs/Hr | 3087.78     | 10409.79       | 13497.57   | 3090.98     | 10409.79       | 13500.77   |
| PX-104 | Crane Upto 25 ton   | Rs/Hr | 1950.65     | 9209.8         | 11160.45   | 1953.16     | 9209.8         | 11162.96   |
| PX-105 | Electric Diaphragm Pump                                       | Rs/Hr | 29.77       | 126.29         | 156.06     | 29.82       | 126.31         | 156.13     |
| PX-106 | Sand Blasting Machine   | Rs/Hr | 309.92      | 832.68         | 1142.6     | 309.98      | 832.68         | 1142.66    |
| PX-107 | Dump Truck 30 ton (18 cum)                                    | Rs/Hr | 2047.72     | 10225.98       | 12273.7    | 2048.64     | 10225.98       | 12274.62   |
| PX-108 | Tractor with Trolley (8 ton)                                  | Rs/Hr | 167.85      | 2602.39        | 2770.24    | 168.07      | 2602.39        | 2770.46    |
| PX-109 | Welding Plant   | Rs/Hr | 3.09        | 85.8           | 88.89      | 3.1         | 85.81          | 88.91      |
| PX-110 | Generator (Diesel) 150 kVa                                    | Rs/Hr | 172.28      | 7438.65        | 7610.93    | 172.43      | 7438.71        | 7611.14    |
| PX-111 | Generator (Diesel) 250 kVa                                    | Rs/Hr | 307.19      | 11098.02       | 11405.21   | 307.41      | 11098.11       | 11405.52   |
| PX-112 | Diesel Tanker 25000 Liter with Pump                           | Rs/Hr | 703.97      | 7451.84        | 8155.81    | 706.65      | 7451.84        | 8158.49    |
| PX-113 | Forging /Shape Machine  | Rs/Hr | 32.55       | 546.01         | 578.56     | 32.6        | 546.01         | 578.61     |
| PX-114 | Generator (Diesel) 50 KVA                                     | Rs/Hr | 90.35       | 2673.99        | 2764.34    | 90.43       | 2674.02        | 2764.45    |
| PX-115 | Diesel Tanker 12000 Liter with Pump                           | Rs/Hr | 366.98      | 3983.83        | 4350.81    | 368.89      | 3983.83        | 4352.72    |
| PX-116 | Diesel Tanker 5000 Liter with Pump                            | Rs/Hr | 277.76      | 3050.83        | 3328.59    | 278.69      | 3050.83        | 3329.52    |
| PX-117 | Diesel Generator 20 KVA                                       | Rs/Hr | 65.41       | 2031.8         | 2097.21    | 65.46       | 2031.81        | 2097.27    |
| PX-118 | Diesel Generator 5 KVA  | Rs/Hr | 13.52       | 992.76         | 1006.28    | 13.53       | 992.77         | 1006.3     |
| PX-119 | Steel Rolling Machine   | Rs/Hr | 88.01       | 367.2          | 455.21     | 88.31       | 367.31         | 455.62     |
| PX-120 | Diesel Generator 13 KVA                                       | Rs/Hr | 63.13       | 1458.22        | 1521.35    | 63.14       | 1458.22        | 1521.36    |

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

| Codes  | Description  | Unit  | Kohistan Upper |                |            |
|--------|--|-------|----------------|----------------|------------|
|        |  |       | Owning Cost    | Operating Cost | Total Cost |
| PE-001 | Bulldozer-264 HP (Crawler Dozer-Track Type) with Blade Capacity 7 cum                        | Rs/Hr | 4557.83        | 10828.96       | 15386.79   |
| PE-002 | Bulldozer-200 HP (Crawler Dozer-Track Type) with Blade Capacity 4.4 cum                      | Rs/Hr | 3045.81        | 8831.46        | 11877.27   |
| PE-003 | Bulldozer-130 HP (Crawler Dozer-Track Type) with Blade Capacity 2.7 cum                      | Rs/Hr | 2767.9         | 6889.41        | 9657.31    |
| PE-004 | Wheel Loader 187HP with Bucket Capacity 3.3 cum  | Rs/Hr | 3623.97        | 7305.74        | 10929.71   |
| PE-005 | Wheel Loader 166 HP with Bucket Capacity 2.8 cum   | Rs/Hr | 2861.45        | 6344.18        | 9205.63    |
| PE-006 | Wheel Loader 135 HP with Bucket Capacity 1.90 cum  | Rs/Hr | 2663.07        | 5304.72        | 7967.79    |
| PE-008 | Dumper loading Capacity 18 T   | Rs/Hr | 1530.62        | 3139.69        | 4670.31    |
| PE-009 | Dumper loading Capacity 10 T   | Rs/Hr | 904.17         | 2939.03        | 3843.2     |
| PE-010 | Excavator (Track Type) 100 HP  | Rs/Hr | 2375.02        | 7787.91        | 10162.93   |
| PE-011 | Compressor 300 CFM   | Rs/Hr | 415.4          | 7243.66        | 7659.06    |
| PE-012 | Rock Driller -Pneumatic-plug   | Rs/Hr | 21.61          | 511.26         | 532.87     |
| PE-013 | Electric Saw   | Rs/Hr | 1.38           | 474.2          | 475.58     |
| PE-014 | Petrol Motorized Chain Saw   | Rs/Hr | 8.85           | 334.12         | 342.97     |
| PE-015 | Electric Breaker (Demolition Hammer)   | Rs/Hr | 15.72          | 476.52         | 492.24     |
| PE-016 | Plate Compactor  | Rs/Hr | 87.18          | 962.47         | 1049.65    |
| PE-017 | Pugmill 40 Tons per hour   | Rs/Hr | 1552.06        | 8814.35        | 10366.41   |
| PR-018 | Combination Roller 18 T Single drum Pad/Sheep Foot Compactor                                 | Rs/Hr | 2223.3         | 6459.04        | 8682.34    |
| PR-019 | Combination Roller 12 T (Single drum Pad/Sheep Foot Compactor)                               | Rs/Hr | 1495.34        | 5003.8         | 6499.14    |
| PR-020 | Combination Roller 8T (Single drum Pad/Sheep Foot Compactor)                                 | Rs/Hr | 1414.05        | 4956.37        | 6370.42    |
| PE-021 | Excavator (Track Type) 168 HP with Bucket Capacity 0.8 cum                                   | Rs/Hr | 2608.27        | 8159.3         | 10767.57   |
| PE-022 | Excavator (Track Type) 250 HP with Bucket Capacity 1.4 cum                                   | Rs/Hr | 2935.08        | 10839.53       | 13774.61   |
| PE-023 | Excavator (Track Type) 345 HP with Bucket Capacity 2.2 cum                                   | Rs/Hr | 3518.31        | 13784.13       | 17302.44   |
| PE-024 | Jack Hammer side type for Excavator (Track Type) 168 HP with Bucket Capacity 0.9 cum         | Rs/Hr | 147.49         | 453.85         | 601.34     |
| PE-025 | Jack Hammer side type for Excavator (Track Type) 265/340 HP with Bucket Capacity 1.6/2.3 cum | Rs/Hr | 306.62         | 595.47         | 902.09     |
| PS-026 | Pipe Layer with lifting weight upto 25 Ton   | Rs/Hr | 2289           | 8216.74        | 10505.74   |
| PR-031 | Motor Grader 250HP with Blade length 4.32m   | Rs/Hr | 4031.14        | 9636.81        | 13667.95   |
| PR-032 | Motor Grader 218HP with Blade length 4.32m   | Rs/Hr | 3523.85        | 7865.01        | 11388.86   |
| PR-033 | Tandem Roller 12 T   | Rs/Hr | 1790.25        | 4644.32        | 6434.57    |
| PR-034 | Tandem Roller 8 T  | Rs/Hr | 1283.11        | 4380.32        | 5663.43    |
| PR-035 | Tandem Roller 6 T  | Rs/Hr | 1187.3         | 2706.69        | 3893.99    |
| PR-036 | Tandem Roller 1.50 T   | Rs/Hr | 425.31         | 2029.42        | 2454.73    |
| PR-037 | Combination Roller 18 T Single drum Plain Compactor  | Rs/Hr | 2025.09        | 5721.6         | 7746.69    |
| PR-038 | Combination Roller 12 T (Single drum Plain Compactor)  | Rs/Hr | 1363.2         | 4987.2         | 6350.4     |
| PR-039 | Combination Roller 8T (Single drum Plain Compactor)  | Rs/Hr | 1289.09        | 4945.62        | 6234.71    |
| PR-040 | P.T.R. (8 - Wheeler) 24 T  | Rs/Hr | 1468.29        | 4499.52        | 5967.81    |
| PR-041 | P.T.R. (8 - Wheeler) 18 T  | Rs/Hr | 1372.47        | 4428.57        | 5801.04    |
| PR-043 | Tandem Roller 10 T   | Rs/Hr | 1399.64        | 4564.34        | 5963.98    |
| PR-044 | Power Broom  | Rs/Hr | 36.14          | 354.75         | 390.89     |
| PR-045 | Bitumen Dist. Tow Type 2000 Liter  | Rs/Hr | 209.74         | 1255.35        | 1465.09    |
| PR-046 | Bitumen Sprayer (Manual) 250 gallon  | Rs/Hr | 28.9           | 515.11         | 544.01     |
| PR-047 | Chip Spreader up to 3M Wide (attachment)   | Rs/Hr | 302.46         | 1211           | 1513.46    |
| PR-048 | Asphalt Plant 140 T  | Rs/Hr | 22618.88       | 29115.07       | 51733.95   |
| PR-049 | Asphalt Plant 120 T  | Rs/Hr | 21788.95       | 26766.12       | 48555.07   |
| PR-050 | Asphalt Plant 40 T   | Rs/Hr | 4879.45        | 12765.41       | 17644.86   |
| PR-051 | Asphalt Plant 20 T   | Rs/Hr | 3868.5         | 6183.18        | 10051.68   |
| PR-052 | Asphalt Paver basic width 3m,max 5.9m Wide   | Rs/Hr | 7669.89        | 13112.21       | 20782.1    |
| PR-053 | Asphalt Paver ( width 2.4-4.7 m)   | Rs/Hr | 7268.61        | 13178.41       | 20447.02   |
| PR-054 | Cold Milling Machine 2 M Wide  | Rs/Hr | 6036.78        | 13877.25       | 19914.03   |
| PR-055 | Hand Push high Pressure Cold and Rubber Paint Marking Machine                                | Rs/Hr | 535.29         | 913.18         | 1448.47    |
| PR-056 | Aggregate Spreader Up to 3M Wide   | Rs/Hr | 7268.61        | 13178.41       | 20447.02   |
| PR-057 | Asphalt Cutter   | Rs/Hr | 19.93          | 482.11         | 502.04     |
| PR-058 | Rock Crushing & Screening (200 T/Hr)   | Rs/Hr | 10034.64       | 5508.84        | 15543.48   |
| PR-060 | Asphalt Recycling Machine 0 to 60mm depth - 3 to 4m width  120 tons/hr                       | Rs/Hr | 36550.28       | 19446.2        | 55996.48   |
| PR-061 | Hand Push Thermoplastic Road Marking Machine with double cylinder preheater                  | Rs/Hr | 1052.04        | 1631.09        | 2683.13    |
| PR-062 | Cordless Drill Machine   | Rs/Hr | 1.67           | 470.19         | 471.86     |
| PR-063 | Crawler Rock driller   | Rs/Hr | 2540.62        | 7953.39        | 10494.01   |
| PS-064 | Grouting Machine(electric) out put 3.6 cum/hr  | Rs/Hr | 53.07          | 1073.22        | 1126.29    |
| PS-065 | Hydraulic jack with pump upto 2000 Ton   | Rs/Hr | 472.47         | 1160.55        | 1633.02    |
| PR-066 | Guard Rail Pile Driver Machine   | Rs/Hr | 282.82         | 1987.09        | 2269.91    |
| PS-071 | Concrete Batching Plant 25m3/hr  | Rs/Hr | 5318.78        | 5588.94        | 10907.72   |
| PS-072 | Concrete Static Mixer 1 Cum  | Rs/Hr | 887.58         | 1086.2         | 1973.78    |
| PS-073 | Concrete Static Mixer 1/4 Cum  | Rs/Hr | 90.43          | 969.71         | 1060.14    |
| PS-074 | Concrete Transit Mixer 6 Cum   | Rs/Hr | 2424.95        | 2989.97        | 5414.92    |
| PS-075 | Concrete Transit Mixer 4 Cum   | Rs/Hr | 1487.8         | 2602.72        | 4090.52    |
| PS-076 | Stressing Equipment for 6500 KN force with electric power                                    | Rs/Hr | 221.76         | 1124.72        | 1346.48    |
| PS-077 | Concrete Cutter  | Rs/Hr | 19.93          | 482.11         | 502.04     |
| PS-078 | Piling Rig (dia up to 1m)  | Rs/Hr | 13851.48       | 16189.38       | 30040.86   |
| PS-079 | Piling Rig (Dia 1m to 2m)  | Rs/Hr | 29187.2        | 28832.75       | 58019.95   |

## OWNING AND OPERATING RATES FOR PLANT AND EQUIPMENT

| Codes  | Description   | Unit  | Kohistan Upper |                |            |
|--------|---|-------|----------------|----------------|------------|
|        |   |       | Owning Cost    | Operating Cost | Total Cost |
| PS-080 | Vibrator (Poker 1.5 ")  | Rs/Hr | 4.51           | 560.17         | 564.68     |
| PS-081 | Percussion Boring Rig (Diesel)                                | Rs/Hr | 2717.04        | 10216.34       | 12933.38   |
| PS-082 | Concrete Pump 33 m with tuck chassis                          | Rs/Hr | 3094.81        | 16364.8        | 19459.61   |
| PS-083 | Girder Launcher (Erecting Capacity max 200 ton)               | Rs/Hr | 7231.43        | 5209.37        | 12440.8    |
| PS-084 | Tripod & Chain Pulley (20 Ton)                                | Rs/Hr | 133.66         | 735.06         | 868.72     |
| PS-085 | Shotcrete Machine 5-8 cum/hr                                  | Rs/Hr | 393.19         | 2212.83        | 2606.02    |
| PS-086 | Concrete Slip form Paver 2 to 6m for Road Pavement            | Rs/Hr | 13384.07       | 14907.01       | 28291.08   |
| PS-087 | Concrete Slip form Paver for Barrier,curbs,sidewalk up to 3 m | Rs/Hr | 5908.37        | 8552.16        | 14460.53   |
| PR-088 | Asphalt Static Mixer 1 Cum                                    | Rs/Hr | 693.21         | 1018.17        | 1711.38    |
| PS-089 | Straight Rotary machine up to 250 mm dia with all tools       | Rs/Hr | 151.63         | 1506.84        | 1658.47    |
| PX-090 | Submersible Slug Pump with 65 ft Head                         | Rs/Hr | 15.7           | 83.86          | 99.56      |
| PX-091 | Tractor 80 HP   | Rs/Hr | 172.26         | 2889.6         | 3061.86    |
| PX-092 | Tractor 50 HP   | Rs/Hr | 69.93          | 1839.47        | 1909.4     |
| PX-093 | Water Tank Bowser Type 12000 Liter                            | Rs/Hr | 702.54         | 5938.5         | 6641.04    |
| PX-094 | Water Tank Tow Type 4000 Liter (Including Tractor)            | Rs/Hr | 184.63         | 1967.19        | 2151.82    |
| PX-095 | Flat Body Truck pay load upto 8 ton                           | Rs/Hr | 381.68         | 5379.68        | 5761.36    |
| PX-096 | Sedan Car 1300 cc   | Rs/Hr | 254.66         | 2107.38        | 2362.04    |
| PX-097 | Sedan Car 1000 cc   | Rs/Hr | 203.8          | 1407.39        | 1611.19    |
| PX-098 | Pickup 2800 cc 4 x 4  | Rs/Hr | 647.08         | 2622.29        | 3269.37    |
| PX-099 | Pickup 2200 cc 4 x 2  | Rs/Hr | 359.86         | 1763.16        | 2123.02    |
| PX-100 | Pickup 800 cc 4 x 2   | Rs/Hr | 102.35         | 845.68         | 948.03     |
| PX-101 | Jeep 1300 cc 4 x 4  | Rs/Hr | 417.55         | 1491.62        | 1909.17    |
| PX-102 | Trailer Low Bed 30 ton  | Rs/Hr | 961.24         | 6434.51        | 7395.75    |
| PX-103 | Crane up to 55 Ton  | Rs/Hr | 3099.93        | 10409.79       | 13509.72   |
| PX-104 | Crane Upto 25 ton   | Rs/Hr | 1960.19        | 9209.8         | 11169.99   |
| PX-105 | Electric Diaphragm Pump                                       | Rs/Hr | 29.95          | 126.36         | 156.31     |
| PX-106 | Sand Blasting Machine   | Rs/Hr | 310.15         | 832.68         | 1142.83    |
| PX-107 | Dump Truck 30 ton (18 cum)                                    | Rs/Hr | 2051.21        | 10225.98       | 12277.19   |
| PX-108 | Tractor with Trolley (8 ton)                                  | Rs/Hr | 168.69         | 2602.39        | 2771.08    |
| PX-109 | Welding Plant   | Rs/Hr | 3.12           | 85.82          | 88.94      |
| PX-110 | Generator (Diesel) 150 kVa                                    | Rs/Hr | 172.86         | 7438.88        | 7611.74    |
| PX-111 | Generator (Diesel) 250 kVa                                    | Rs/Hr | 308.01         | 11098.34       | 11406.35   |
| PX-112 | Diesel Tanker 25000 Liter with Pump                           | Rs/Hr | 714.13         | 7451.84        | 8165.97    |
| PX-113 | Forging /Shape Machine  | Rs/Hr | 32.73          | 546.01         | 578.74     |
| PX-114 | Generator (Diesel) 50 KVA                                     | Rs/Hr | 90.65          | 2674.11        | 2764.76    |
| PX-115 | Diesel Tanker 12000 Liter with Pump                           | Rs/Hr | 374.23         | 3983.83        | 4358.06    |
| PX-116 | Diesel Tanker 5000 Liter with Pump                            | Rs/Hr | 281.29         | 3050.83        | 3332.12    |
| PX-117 | Diesel Generator 20 KVA                                       | Rs/Hr | 65.61          | 2031.87        | 2097.48    |
| PX-118 | Diesel Generator 5 KVA  | Rs/Hr | 13.55          | 992.77         | 1006.32    |
| PX-119 | Steel Rolling Machine   | Rs/Hr | 89.17          | 367.65         | 456.82     |
| PX-120 | Diesel Generator 13 KVA                                       | Rs/Hr | 63.16          | 1458.23        | 1521.39    |