

**D.P.R. for Development of Nanded City Roads Under JNNURM**

**List of Machinery & Usage Rates**

Sr.No.	Description of Machinery	Usage rates in Rs	
		Units	Rates
1	Dozer D-50 -A-15	Per Hour	1423
2	Motor grader	Per Hour	1545
3	Hydraulic excavator of 1 cum bucket capacity	Per Hour	840
4	Front end loader 1 cum bucket capacity	Per Hour	520
5	Tipper - 5 cum	per Km	15.6
		per Tonne.Km	1.74
		Per Hour	200
6	Vibratory roller 8 tonne	Per Hour	994
7	Smooth Wheeled Roller 8 tonne	Per Hour	297
8	Water Tanker	Per Km	15.6
9	Tractor	Per Hour	234
10	Air compressor	Per Hour	206
11	Mechanical Broom Hydraulic	Per Hour	230
12	Bitumen pressure Distributor	Per Hour	692
13	Emulsion pressure Distributor	Per Hour	516
14	Hot Mix plant	Per Hour	7150
15	Paver Finisher Hydrostatic with sensor control	Per Hour	1725
16	Tandem road roller	Per Hour	738
17	Pneumatic Road Roller	Per Hour	802
18	Batch and Mixing Plant		
	30 cum capacity	Per Hour	1440
	15-20 cum capacity	Per Hour	1200
19	Transit Mixer 4.5 cum / hour	Per Hour	600
20	Concrete pump of 45 and 30 cum capacity	Per Hour	165
21	Cranes		
	80 tonne	Per Hour	825
	35 tonne	Per Hour	550
	3 tonne	Per Hour	230
22	Concrete mixer 0.4 / 0.28 cum	Per Hour	150
23	Concrete paver finisher with 40 HP motor	Per Hour	1850
24	Generator		
	100 KVA	Per Hour	450
	33 KVA	Per Hour	240
25	Truck 5.5 cum per 10 tonnes	Per km	14.5
		Per Tonne Km	1.8
		Per Hour	200
26	Mobile Slurry Seal Equipment	Per Hour	650
27	Slip form paver with electronic sensor	Per Hour	9500
28	JCB	Per Hour	750

**Source : Schedule of Rates 2005-2006 (Based on CE (Mechanical) Nasik) Schedule of Rates**

**DEVELOPMENT OF CITY ROADS IN NANDED UNDER JNNURM**

**RATES OF MATERIALS**

		Rates of Material	As per DSR	Max.Lead	*Allowed Lead	Lead Charges	Royalty charges	Rates including
Sr.No.	Material	Unit	Rate	in Km	in Km	in Rs	in Rs	lead/Royalty in Rs
1	<b>Sand</b>	Per cum	Rs.130	12	7	39.66	17.67	Rs.187.33
	<b>Metal</b>							
2	<b>40 mm</b>	Per cum	Rs 250	8	3	19.34	17.67	Rs 287.01
3	<b>25 mm</b>	Per cum	Rs 222	8	3	18.50	17.67	Rs 258.17
4	<b>20 mm</b>	Per cum	Rs 232	8	3	18.50	17.67	Rs 268.17
5	<b>12 mm</b>	Per cum	Rs 247	8	3	18.50	17.67	Rs 283.17
6	<b>10 mm</b>	Per cum	Rs 242	8	3	18.50	17.67	Rs 278.17
7	<b>6 mm</b>	Per cum	Rs 232	8	3	18.50	17.67	Rs 268.17
8	<b>Stone dust</b>	Per cum	Rs 161	8	3	18.50	17.67	Rs 197.17

Source : As per schedule of rates 2005-2006 (P.W.D.Nanded)

\* : 5 Km initial lead Built in SSR Deducted

		Rates of Material	As per Market Rate
Sr.No.	Material	Unit	Rate
1	*Cement	Per MT	Rs 3870
2	*Bitumen		
	<b>Grade 30/ 40 Bulk</b>	Per MT	Rs. 25426.1
3	*Modified Bitumen		
	<b>PMB 40</b>	Per MT	Rs. 28959.32

Source : Rates collected from authorized Dealers in Nanded

\* : Inclusive of all taxes

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Wages of Labour**

<b>Sr.No.</b>	<b>Description of Labour</b>	<b>Unit</b>	<b>Rate</b>
1	Blacksmith (IIInd Class)	day	130
2	Blacksmith (Ist Class)/welder/plumber/Electricals	day	130
3	Blaster (stone Cutter)	day	125
4	Carpenter I Class	day	130
5	Chiseller	day	125
6	Driller	day	130
7	Driver	day	130
8	Fitter	day	130
9	Mason (I st Class)	day	130
10	Mason (II nd Class)	day	125
11	Mate / Supervisor	day	130
12	Mazdoor	day	120
13	Mazdoor/Dresser ( semiskilled )	day	125
14	Painter I st Class	day	130

**Source: SR 2005-2006**