

**D. P. R. FOR DEVELOPMENT OF NANDED CITY ROADS UNDER JNNURM
RATE ANALYSIS**

Sr No	Description	Unit	Quantity	Rate Rs	Cost Rs
Sec 8	TRAFFIC MANAGEMENT & LANDSCAPING				
8.1a)					
	Installation of a steel portable barricade with horizontal rail 300 mm wide, 2.5 m in length fitted on a 'A' frame made with 45 x 45 x 5 mm angle iron section, 1.5 m in height, horizontal rail painted (2 coats) with yellow and white stripes, 150 mm in width at an angle of 450, 'A' frame painted with 2 coats of yellow paint, complete as per IRC:SP:55-2001				
	<i>Unit = each</i>				
	<i>Taking output = one steel portable barricade</i>				
	a) Labour				
	Mate	day	0.020	130.00	2.60
	Mazdoor	day	0.250	120.00	30.00
	Painter	day	0.500	130.00	65.00
	Welder	day	0.250	130.00	32.50
	b) Material				
	Angle iron 45 x 45 x 5 mm	kg	25.000	30.00	750.00
	MS sheet 300 mm wide, 2.5 m long and 2.6 mm thick	kg	15.000	30.00	450.00
	Paint	litre	0.500	105.00	52.50
	Add 2 per cent of cost of steel for welding consumables, nuts & bolts and drilling holes				1.10
	c) Contractor's profit @ input on (a+b)				138.37
					1522.07
	Rate per barricade = a+b+c			<i>say</i>	<u>1522.00</u>
8.1c)					
	Provision of metal drum/empty bitumen drum delineator, 300 mm in diameter, 800 mm high, filled with earth for stability, painted in circumferential strips of alternate black and white 100 mm wide fitted with reflectors 3 Nos of 7.5 cm dia, all as per IRC:SP:55-2001				
	<i>Unit = each</i>				
	<i>Taking output = one drum delineator</i>				
	a) Labour				
	Mate	day	0.020	130.00	2.60
	Mazdoor	day	0.250	120.00	30.00
	Painter	day	0.250	130.00	32.50
	b) Material				
	Steel drum 300 mm dia 1.2 m high/empty bitumen drum	each	1.000	175.00	175.00
	Paint	litre	0.500	105.00	52.50

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Sr No	Description	Unit	Quantity	Rate Rs	Cost Rs
	c) Contractor's profit @ input on (a+b)				29.26
					321.86
	Rate per drum delineator = a+b+c			<i>say</i>	<u>322.00</u>
8.1d)					
	Installation of a steel portable barricade with horizontal sheet of 800 mm wide, 3.0 m in length fitted on a 'wooden bamboos of diameter 200 mm 1.5 m in height, horizontal sheet painted (2 coats) with yellow and white stripes, 150 mm in width at an angle of 45, complete as directed by Engineer.				
	<i>Unit = each</i>				
	Taking output = one steel portable barricade				
	a) Labour				
	Mate	day	0.010	130.00	1.30
	Mazdoor	day	0.010	120.00	1.20
	Painter	day	0.050	130.00	6.50
	Fiiter	day	0.010	130.00	1.30
	b) Material				
	Bamboo	Rm	3.000	30.00	90.00
	MS sheet 800 mm wide,3 m long and 2.6 mm thick (scrap material)	kg	10.000	30.00	300.00
	Paint	litre	0.060	105.00	6.30
	Add 2 per cent of cost of steel for welding consumables, nuts & bolts and drilling holes				0.15
	c) Contractor's profit @ 10 % on (a+b)				40.68
					447.43
	Rate per barricade = a+b+c			<i>say</i>	<u>447</u>