

**OFFICE OF THE ENGINEER-IN-CHIEF**  
**MP (PWD) NIRMAN BHAWAN BHOPAL**  
 SCHEDULE OF RATES FOR ROAD AND BRIDGE WORKS (w.e.f. 3/11/2014)

**(ERRATA/AMMENDMENT/ADDENDUM NO. 1)**

- (A) Item No.3.12 of Chapter 3 "Earth work and Erosion Control and Drainage" is deleted from the SOR.
- (B) The rates of following items (Road and Bridge SOR w.e.f. 3/11/2014) are amended as under and rates shall be applicable with effect from the date of issue.

S.No.	Item No.	Existing	Unit	Rate	Ammended	Unit	Rate
		Description			Description		
1	4.8	Water Bound Macadam Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with vibratory roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of screening/binding Materials to fill up the interstices of coarse aggregate, watering and compacting to the required density as per clause 404 of specification.			Water Bound Macadam Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with vibratory roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of screening/binding Materials to fill up the interstices of coarse aggregate, watering and compacting to the required density as per clause 404 of specification.		
	(II)	Grading II (63 to 22.4 mm) Using screening Type-B (11.2 mm Agg.)	Cum	1322.00	Grading II (53 to 22.4 mm) Using screening Type-B (11.2 mm Agg.)	Cum	1322.00
2	5.10	Seal Coat Providing and laying seal coat sealing the voids in a bituminous surface laid to the specified levels, grade and cross fall using Type A and B seal coats all complete as per clause 511 of specification.			Seal Coat Providing and laying seal coat sealing the voids in a bituminous surface laid to the specified levels, grade and cross fall using Type A and B seal coats all complete as per clause 511 of specification.		

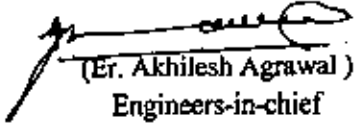
S.No.	Item No.	Existing	Unit	Rate	Ammended	Unit	Rate
		Description			Description		
	(ii)	Case - II : Type B (Providing and laying of premix sand seal coat with HMP of appropriate capacity not less than 75 tonnes/ hours using crushed stone chipping 6.7 mm size and penetration bitumen of suitable grade. all complete as per clause 511 of specification.	Sqm	55.00	Case - II : Type B (Providing and laying of premix sand seal coat with HMP of appropriate capacity not less than 75 tonnes/ hours using crushed stone chipping (aggregate shall pass 2.36mm sieve and retained on 180 micron sieve) and penetration bitumen of suitable grade. all complete as per clause 511 of specification.	Sqm	55.00
3	8.3	Retro- reflectorised Traffic signs Providing and fixing of retro-reflectorised cautionary, mandatory and informatory sign board as per IRC 67-2010 made of high intensity Micro-Prismatic Grade Sheeting (TypeIV) vide clause 801.3.3 fixed over Aluminium composite material sheet with thermoplastic core of Low density polyethylene (LDPE) between two thick skins/sheets of aluminium with overall thickness of 4mm and aluminium skin of thickness 0.3 on both side, the ACM shall conform to Table 800-1 of specification and High Intensity Micro Prismatic Grade Sheeting shall conform to Table 800-3 of specification. The printing on the high intensity grade sheeting shall conform to Clause 801.3.7 with water based latex optimized transparent ink as specified by the sheeting manufacturer, supported on composite sign post of size 75mmx33.55mmx34.99 mm (5mm thick) made of Aluminium composite material in accordance to IRC 67-2010 fixed to ground by means of properly designed foundation with M15 grade concrete 4500x4500x600 The ACM sheet shall be fixed to the post with four minimum four number breakaway bolts.			Retro- reflectorised Traffic signs Providing and fixing of retro-reflectorised cautionary, mandatory and informatory sign board as per IRC 67-2010 made of high intensity Micro-Prismatic Grade Sheeting (TypeIV) vide clause 801.3.3 fixed over Aluminium composite material sheet with thermoplastic core of Low density polyethylene (LDPE) between two thick skins/sheets of aluminium with overall thickness of 4mm and aluminium skin of thickness 0.3 on both side, the ACM shall conform to Table 800-1 of specification and High Intensity Micro Prismatic Grade Sheeting shall conform to Table 800-3 of specification. The printing on the high intensity grade sheeting shall conform to Clause 801.3.7 with water based latex optimized transparent ink as specified by the sheeting manufacturer, supported on composite sign post of size 75mmx33.55mmx34.99 mm (5mm thick) made of Aluminium composite material in accordance to IRC 67-2010 fixed to ground by means of properly designed foundation with M15 grade concrete block 450x450x600mm The ACM sheet shall be fixed to the post with four minimum four number breakaway bolts.		
		i) 90 cm equilateral triangle	Each	4063.00	i) 90 cm equilateral triangle	Each	4063.00
		ii) 60 cm equilateral triangle	Each	2889.00	ii) 60 cm equilateral triangle	Each	2889.00
		iii) 60 cm circular	Each	3657.00	iii) 60 cm circular	Each	3657.00
		iv) 80 mm x 60 mm rectangular	Each	4849.00	iv) 80 mm x 60 mm rectangular	Each	4849.00

S.No.	Item No.	Existing		Ammended			
		Description	Unit	Rate	Description	Unit	Rate
		v) 60 cm x 45 cm rectangular	Each	3579.00	v) 60 cm x 45 cm rectangular	Each	3579.00
		vi) 60 cm x 60 cm square	Each	4123.00	vi) 60 cm x 60 cm square	Each	4123.00
		vii) 90 cm high octagon	Each	6011.00	vii) 90 cm high octagon	Each	6011.00
4	8.4	<p>Retro- reflectorised Traffic signs</p> <p>Providing and fixing of retro-reflectorised cautionary, mandatory and informatory sign board as per IRC 67-2010 made of high intensity Micro-Prismatic Grade Sheeting (Type X1) vide clause 801.3.3 fixed over Aluminium composite material sheet with thermoplastic core of Low density polyethylene (LDPE) between two thick skins/sheets of aluminium with overall thickness of 4mm and aluminium skin of thickness 0.3 on both side, the ACM shall conform to Table 800-1 of specification and High Intensity Micro Prismatic Grade Sheeting shall conform to Table 800-3 of specification. The printing on the high intensity grade sheeting shall conform to Clause 801.3.7 with water based latex optimized transparent ink as specified by the sheeting manufacturer, supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm firmly fixed to ground by means of properly designed foundation with M15 grade concrete 450x450x600 The ACM sheet shall be fixed to the post with four minimum four number breakaway bolts.</p>			<p>Retro- reflectorised Traffic signs</p> <p>Providing and fixing of retro-reflectorised cautionary, mandatory and informatory sign board as per IRC 67-2010 made of high intensity Micro-Prismatic Grade Sheeting (Type X1) vide clause 801.3.3 fixed over Aluminium composite material sheet with thermoplastic core of Low density polyethylene (LDPE) between two thick skins/sheets of aluminium with overall thickness of 4mm and aluminium skin of thickness 0.3 on both side, the ACM shall conform to Table 800-1 of specification and High Intensity Micro Prismatic Grade Sheeting shall conform to Table 800-3 of specification. The printing on the high intensity grade sheeting shall conform to Clause 801.3.7 with water based latex optimized transparent ink as specified by the sheeting manufacturer, supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm firmly fixed to ground by means of properly designed foundation with M15 grade concrete block 450x450x600mm The ACM sheet shall be fixed to the post with four minimum four number breakaway bolts.</p>		
		i) 90 cm equilateral triangle	Each	3863.00	i) 90 cm equilateral triangle	Each	3863.00
		ii) 60 cm equilateral triangle	Each	2689.00	ii) 60 cm equilateral triangle	Each	2689.00
		iii) 60 cm circular	Each	3457.00	iii) 60 cm circular	Each	3457.00
		iv) 80 mm x 60 mm rectangular	Each	4649.00	iv) 80 mm x 60 mm rectangular	Each	4649.00
		v) 60 cm x 45 cm rectangular	Each	3379.00	v) 60 cm x 45 cm rectangular	Each	3379.00
		vi) 60 cm x 60 cm square	Each	3923.00	vi) 60 cm x 60 cm square	Each	3923.00
		vii) 90 cm high octagon	Each	5811.00	vii) 90 cm high octagon	Each	5811.00

S. No.	Item No.	Existing	Unit	Rate	Ammended	Unit	Rate
		Description			Description		
5	8.5	Direction and Place Identification signs upto 0.9 sqm size board. (Providing and erecting direction and place identification retroreflectorised sign asper IRC:67 made of high intensity Micro- Prismatic Grade Sheeting (Type XI) vide clause 801.3.3 fixed over Aluminium composite material sheet with thermoplastic core of Low density polyethylene (LDPE) between two thick skins/sheets of aluminium with overall thickness of 4mm and aluminium skin of thickness 0.3 on both side, the ACM shall conform to Table 800-1 of specification and High Intensity Micro Prismatic Grade Sheeting shall conform to Table 800-3 of specification. The printing on the high intensity grade sheeting shall conform to Clause 801.3.7 with water based latex optimized transparent ink as specified by the sheeting manufacturer, supported on composite sign post of size 75mmx33.55mmx34.99 mm (5mm thick) made of Aluminium composite material in accordance to IRC 67-2010 fixed to ground by means of properly designed foundation with M15 grade concrete 4500x4500x600 The ACM sheet shall be fixed to the post with minimum two number breakaway bolts.	Sqm	8199.00	Direction and Place Identification signs upto 0.9 sqm size board. (Providing and erecting direction and place identification retroreflectorised sign asper IRC:67 made of high intensity Micro- Prismatic Grade Sheeting (Type XI) vide clause 801.3.3 fixed over Aluminium composite material sheet with thermoplastic core of Low density polyethylene (LDPE) between two thick skins/sheets of aluminium with overall thickness of 4mm and aluminium skin of thickness 0.3 on both side, the ACM shall conform to Table 800-1 of specification and High Intensity Micro Prismatic Grade Sheeting shall conform to Table 800-3 of specification. The printing on the high intensity grade sheeting shall conform to Clause 801.3.7 with water based latex optimized transparent ink as specified by the sheeting manufacturer, supported on composite sign post of size 75mmx33.55mmx34.99 mm (5mm thick) made of Aluminium composite material in accordance to IRC 67-2010 fixed to ground by means of properly designed foundation with M15 grade concrete block 450x450x600mm The ACM sheet shall be fixed to the post with minimum two number breakaway bolts.	Sqm	8199.00
6	8.6	Direction and Place Identification signs upto 0.9 sqm size board. Providing and fixing of retro-reflectorised cautionary, mandatory and inforatory sign board as per IRC 67-2010 made of high intensity Micro-Prismatic Grade Sheeting (Type XI) vide clause 801.3.3 fixed over Aluminium composite material sheet with thermoplastic core of Low density polyethylene (LDPE) between two thick skins/sheets of aluminium with overall thickness of 4mm and aluminium skin of thickness 0.3 on both side, the ACM shall conform to Table 800-1 of specification and High Intensity Micro			Direction and Place Identification signs upto 0.9 sqm size board. Providing and fixing of retro-reflectorised cautionary, mandatory and inforatory sign board as per IRC 67-2010 made of high intensity Micro-Prismatic Grade Sheeting (Type XI) vide clause 801.3.3 fixed over Aluminium composite material sheet with thermoplastic core of Low density polyethylene (LDPE) between two thick skins/sheets of aluminium with overall thickness of 4mm and aluminium skin of thickness 0.3 on both side, the ACM shall conform to Table 800-1 of specification and High Intensity Micro		

S.No.	Item No.	Existing	Unit	Rate	Ammended	Unit	Rate
		Description			Description		
7.	8.7	Prismatck Grade Sheeting shall conform to Table 800-3 of specification. The printing on the high intensity grade sheeting shall conform to Clause 801.3.7 with water based latex optimized transparent ink as specified by the sheeting manufacturer, supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm firmly fixed to ground by means of properly designed foundation with M15 grade concrete 4500x4500x600 The ACM sheet shall be fixed to the post with four minimum four number breakaway bolts.	Sqm	7999.00	Prismatck Grade Sheeting shall conform to Table 800-3 of specification. The printing on the high intensity grade sheeting shall conform to Clause 801.3.7 with water based latex optimized transparent ink as specified by the sheeting manufacturer, supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm firmly fixed to ground by means of properly designed foundation with M15 grade concrete block 450x450x600mm. The ACM sheet shall be fixed to the post with four minimum four number breakaway.	Sqm	7999.00
		Direction and Place Identification signs with size more than 0.9 sqm size board. (Providing and erecting direction and place identification retroreflectorised sign asper IRC:67 made of high intensity Micro- Prismatic Grade Sheeting (Type XI) vide clause 801.3.3 fixed over Aluminium composite material sheet with thermoplastic core of Low density polyethylene (LDPE) between two thick skins/sheets of aluminium with overall thickness of 4mm and aluminium skin of thickness 0.3 on both side, the ACM shall conform to Table 800-1 of specification and High Intensity Micro Prismatck Grade Sheeting shall conform to Table 800-3 of specification. The printing on the high intensity grade sheeting shall conform to Clause 801.3.7 with water based latex optimized transparent ink as specified by the sheeting manufacturer, supported on composite sign post of size 75mmx33.55mmx34.99 mm (5mm thick) made of Aluminium composite material in accordance to IRC 67-2010 fixed to ground by means of properly designed foundation with M15 grade concrete 4500x4500x600 The ACM sheet shall be fixed to the post with minimum two number breakaway bolts.	Sqm	14324.00	Direction and Place Identification signs with size more than 0.9 sqm size board. (Providing and erecting direction and place identification retroreflectorised sign asper IRC:67 made of high intensity Micro- Prismatic Grade Sheeting (Type XI) vide clause 801.3.3 fixed over Aluminium composite material sheet with thermoplastic core of Low density polyethylene (LDPE) between two thick skins/sheets of aluminium with overall thickness of 4mm and aluminium skin of thickness 0.3 on both side, the ACM shall conform to Table 800-1 of specification and High Intensity Micro Prismatck Grade Sheeting shall conform to Table 800-3 of specification. The printing on the high intensity grade sheeting shall conform to Clause 801.3.7 with water based latex optimized transparent ink as specified by the sheeting manufacturer, supported on composite sign post of size 75mmx33.55mmx34.99 mm (5mm thick) made of Aluminium composite material in accordance to IRC 67-2010 fixed to ground by means of properly designed foundation with M15 grade concrete block 450x450x600mm The ACM sheet shall be fixed to the post with minimum two number breakaway bolts.	Sqm	14324.00

S.No.	Item No.	Existing	Unit	Rate	Ammended	Unit	Rate
		Description			Description		
8	8.8	Direction and Place Identification signs with size more than 0.9 sqm size board. Providing and fixing of retro- reflectorised cautionary, mandatory and informatory sign board as per IRC 67-2010 made of high intensity Micro-Prismatic Grade Sheeting (Type XI) vide clause 801.3.3 fixed over Aluminium composite material sheet with thermoplastic core of Low density polyethylene (LDPE) between two thick skins/sheets of aluminium with overall thickness of 4mm and aluminium skin of thickness 0.3 on both side, the ACM shall conform to Table 800-1 of specification and High Intensity Micro Prismatic Grade Sheeting shall conform to Table 800-3 of specification. The printing on the high intensity grade sheeting shall conform to Clause 801.3.7 with water based latex optimized transparent ink as specified by the sheeting manufacturer, supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm firmly fixed to ground by means of properly designed foundation with M15 grade concrete 4500x4500x600 The ACM sheet shall be fixed to the post with four minimum four number breakaway bolts.	Sqm	14124.00	Direction and Place Identification signs with size more than 0.9 sqm size board. Providing and fixing of retro- reflectorised cautionary, mandatory and informatory sign board as per IRC 67-2010 made of high intensity Micro-Prismatic Grade Sheeting (Type XI) vide clause 801.3.3 fixed over Aluminium composite material sheet with thermoplastic core of Low density polyethylene (LDPE) between two thick skins/sheets of aluminium with overall thickness of 4mm and aluminium skin of thickness 0.3 on both side, the ACM shall conform to Table 800-1 of specification and High Intensity Micro Prismatic Grade Sheeting shall conform to Table 800-3 of specification. The printing on the high intensity grade sheeting shall conform to Clause 801.3.7 with water based latex optimized transparent ink as specified by the sheeting manufacturer, supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm firmly fixed to ground by means of properly designed foundation with M15 grade concrete block 450x450x600mm The ACM sheet shall be fixed to the post with four minimum four number breakaway bolts.	Sqm	14124.00
9	14.12	Providing anti-corrosive treatment to HYSD reinforcement with Fusion Bonded Epoxy Coating (FBEC) (To be taken as per the prevailing market rates.)	Tonne	26280.00	Providing anti-corrosive treatment to HYSD reinforcement with Fusion Bonded Epoxy Coating (FBEC)  Note - This item shall be executed only after prior approval of the C.E. The measurement of this item shall be taken and recorded by the E.E.	Tonne	26280.00

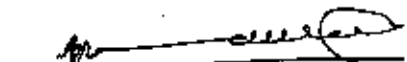
  
 (Er. Akhilesh Agrawal)  
 Engineers-in-chief  
 M.P. Public works Department

Encl. No. .... /SOR/Road & Bridge/2015 /445

Bhopla, Dated 20/2/15

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- 2 The Principal Secretary to Govt. of MP PWD Bhopal
- 3 The Secretary to Govt. of MP PWD Bhopal
- 4 The Chief Technical Examiner, MP Bhopal
- 5 The Principal Secretary to Govt. of MP Housing & Enviroment, Bhopal
- 6 The Accountant General , M.P. Gwalior/Bhopal
- 7 The Secretary to Hon'ble Lokayukt, MP Bhopal
- 8 The Chief Engineer PWD .....MP
- 9 The Chief Engineer MPRDC Bhopal
- 10 The Chief Engineer Rural Engineer Services, MP Nhopal
- 11 The Commissioner, Bhopal
- 12 The Collector Bhopal
- 13 The Superittending Engineer Capital Project circle CPA Bhopal
- 14 The Superittending Engineer MP PWD Bhopal
- 15 The Executive Engineer, MP PWD Bhopal
- 16 Chairman Contractor Association MP Bhopal

  
(Er. Akhilesh Agrawal )  
Engineers-in-chief  
M.P. Public works Department