

NIT SCHEDULE FOR BALANCE WORK

**Construction Box Type Submersible Bridge Across Barurewa River on Surgi - Basedi Road
in Distt Narsinghpur. (M.P.)**

SOR FOR ROAD & BRIDGE WORKS IN FORCE FROM 25.03.2022

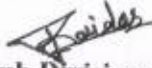
					P.A.C. Rs (In Lakhs)	108.53
SNO.	SOR/PNO	DESCRIPTION	UNIT	RATE	Qty	Amount
1	2	3	4	5	6	7 = (5 x 6)
1	12.1/P-77	Excavation for Structures Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom as per relevant clauses of section 300 & 2100 in				
		I Ordinary soil (including back filling with approved materials)				
		(i) Depth upto 3 m (Above LWL)	Cum	61.00	0.01	1.00
		(i) Depth 3 m to 6 m (Above Lwl))	Cum	70.00	624.20	43694.00
		(iii) Above 6 m depth (Above LWL)	Cum	86.00	0.89	77.00
2	12.3/P-77	Providing Plain cement concrete M-15 nominal mix in foundation as per relevant clauses of sections 1500, 1700 and 2100.	Cum	4349.00	21.57	93788.00
3	12.6/P-77	Providing and laying Plain/Reinforced cement concrete in open foundation including form work shuttering etc. complete as per drawing and technical specifications and as per relevant clauses of sections 1500, 1700 & 2100 with .				
		A PCC Grade M15	Cum	4617.00	367.87	1698457.00
		G RCC Grade M30	Cum	5419.00	52.41	283988.00
4	12.30/P-80	Supplying, fitting and placing un-coated HYSD bar reinforcement in foundation complete as per drawing and technical specifications and as per relevant clauses of section 1600.				
		FE 500D/FE 550/FE 550D	Tonne	81349.00	19.80	1610629.00
5	12.32/P-80	Taking, exploratory boring 100mm dia at the location of piers and abutments or for high embankments in approaches in all types of strata as per IRC-78-1983 and section 2400 of specifications.				
		c) Beyond 5.0 m depth	Metre	2970.00	10.00	29700.00
6	15.1/P-94	Providing and laying boulders apron on river bed for protection against scour with stone boulders weighing not less than 40 kg each complete as per drawing and Technical specification.				
		A Boulder laid dry without wire crates.	Cum	2211.00	195.06	431273.00


7	13.1/P-82	Plain/Reinforced cement concrete in sub-structure complete as per drawing and technical specifications				
		G RCC Grade M30				
		2 Height 5 to 10 m	Cum	6500.00	166.16	1080060.00
8	13.2/P-83	Supplying, fitting and placing HYSD bar reinforcement in sub- structure complete as per drawing and technical specifications and as per relevant clause of section 1600.				
		FE 500D/FE 550/FE 550D	Tonne	81530.00	37.14	3028073.00
9	13.9/P-83	Providing weep holes in Brick masonry/Plain/Reinforced concrete abutment, wing wall/return wall with 100 mm dia AC pipe, extending through the full width of the structure with slope of 1V :20H towards drawing face. Complete as per drawing and Technical specifications	Metre	185.00	500.00	92500.00
10	13.10/P-83	Back filling behind abutment, wing wall and return wall complete as per drawing and Technical specification and as per relevant clauses 305 of specifications and as per appendix 6 of IRC-78.				
		A Granular material	Cum	665.00	354.78	235926.00
11	13.11/P-83	Providing and laying of Filter media with granular materials/stone crushed aggregates satisfying the requirements laid down in clause 2504.2.2 of MoRTH specifications to a thickness of not less than 600 mm with smaller size towards the soil and bigger size towards the wall and provided behind entire surface after abutment, return wall and wing wall to the full height compacted to a firm condition complete as per drawing and technical specification.	Cum	750.00	29.66	22248.00
12	14.6/P-89	Providing and laying Cement concrete wearing coat M-30 grade including reinforcement complete as per drawing and Technical Specifications and as per relevant clauses of sections 1500, 1700 and Clause 2702 of specifications.	Cum	11685.00	29.81	348365.00
13	14.13/P-90	PCC M15 Grade leveling course below approach slab complete as per drawing and Technical specification and as per relevant clauses of section 1700.	Cum	4664.00	5.38	25074.00

14	14.14/P-90	Reinforced cement concrete non-structural approach slab (Grade of concrete M 30) as per MOST standard drawing including reinforcement and formwork complete as per drawing and Technical specification and as per relevant clauses of section 1500, 1600, 1700 and clause 2704 of specifications.	Cum	9683.00	20.16	195209.00
15	14.17/P-90	Painting on concrete surface Providing and applying 2 coats of water based cement paint to unplastered concrete surface after cleaning the surface of dirt, dust, oil, grease, efflorescence and applying paint @ of 1 litre for 2 Sq.m.	Metre	77.00	2536.75	195330.00
16	14.19/P-90	Filler joint (ii) Providing & fixing 20 mm thick compressible fibre board in expansion joint complete as per drawing & Technical Specification.	Sqm	457.00	294.00	134358.00
17	14.28/P-92	Providing and fixing in position Marble Plates of size 0.9 m. x 1.2 m. with inscribed details as per detailed drawings.	Each	1521.00	4.00	6084.00
18	14.29/P-92	Providing and fixing and erecting 40mm dia steel pipe (medium weight) railing in 3 rows on steel channel ISMC-100mmx50mm and 0.95 in height and fixed at 1.8m. center to center and duly painted etc. complete as per standard drawing No.STD-33R, Dtd.11.05.1987 of MP Rajya Setu Nirman Nigam Bhopal.	Metre	1564.00	106.16	166034.00
19	3.13/P-20	Embankment Construction with Material Obtained from Borrow Pits Construction of embankment with approved material having CBR>7 obtained from borrow pits with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement of table 300-1, 300-2 and as per relevant clauses of section-300.	Cum	155.00	210.82	32676.00

20	8.3/P-45	Retro- reflectorised Traffic signs Providing and fixing of retro-reflectorised cautionary, mandatory and informatory sign board as per IRC 67-2012 made of high intensity Micro-Prismatic Grade Sheeting (Type IV) vide IRC: 67:2012 clause 6.7.3.2 and clause 801.3.3 of MoRT &H fixed over Aluminum composite material sheet with thermoplastic core of Low density polyethylene (LDPE) between two thick skins/sheets of aluminum with overall thickness of 4mm and aluminum skin of thickness 0.3 on both side, the ACM shall conform to Table 6.1 of IRC:67:2012 and Table 800-1 of MoRT &H specification and High Intensity Micro Prismatic Grade Sheeting shall conform to Table 6.6 of IRC:67:2012 and Table 800-3 of MoRT &H specification of in the clause IRC 6.8 of the IRC 67-2012 and clause 801.3.7 of MORTH message legend numerical letter etc. and borders shall be screen printed on high intensity micro				
		ii) 60 cm equilateral triangle	Each	3011.00	4.00	12044.00
		v) 60 cm x 45 cm rectangular	Each	3700.00	4.00	14800.00
21	15.4/P-94	Providing and laying Pitching on slopes laid over prepared filter media including boulder apron laid dry in front of toe of embankment complete as per drawing and Technical specifications				
		B Cement Concrete blocks of size 0.3x0.3 x0.3 m cast in cement concrete of Grade M15	Cum	4947.00	201.48	996745.00
22	15.5/P-94	Providing and laying suitable designed Filter material underneath pitching in slopes complete as per drawing and Technical specification	Cum	750.00	100.74	75557.00
TOTAL						10852690.00


Sub engineer


Sub Divisional Officer
PWD Bridge construction sub division
Narsinghpur


Executive Engineer
PWD Bridge Construction
Division Jabalpur