

BILL OF QUANTITIES (BOQ)

Schedule of Item

NAME OF WORK:	BADNAWAR DEWAS ROAD (NHAI) TO SIKANDARI DAUDKHEDI				
Probable Amount of Contract (P.A.C.) :	2664.71	Lacs			
CIVIL- Rs.	2131.52	ELECTRICAL WORK-	533.19		
LENGTH IN KM.		5.4			
S.O.R issued by E-in-c M.P.W.D.Bhopal in force 11.04.2025 with Amendment					
S. No.	Particular	Unit	Qty.	Rate	Amount
1	Excavation in Soil using Hydraulic Excavator and Tippers with disposal up to 1000 meters. Excavation for roadwork in soil with hydraulic excavator including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting suitable earth to the embankment location and disposing off unsuitable earth with all lifts and lead up to 1000m as per relevant clauses of section-300 of specification.				
	SOR Item No. 3.3/9	Cum	28792.20	79.00	2274584.00
2	Construction of Embankment with Material Deposited from Roadway Cutting Construction of embankment with approved materials having CBR>7 deposited at site from roadway cutting and excavation from drain or foundation of structures graded and compacted to meet requirement of table 300-1, 300-2 and as per relevant clauses of section-300.				
	SOR Item No. 3.14/10	Cum	25792.20	60.00	1547532.00
3	Embankment/ Sub Grade 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.				
	SOR Item No. 3.13/10	Cum	84730.40	298.00	25249659.00
4	Crusher Run Macadam Sub Base/Base Course Providing crushed stone aggregate, depositing on a prepared surface by hauling vehicles, spreading and mixing with a motor grader, watering and compacting with a vibratory roller to clause 410 to form a layer of sub base/Base in accordance to Table No. 400-14, 400-15 and as per clause of section 407 of specification				
	SOR Item No. 4.2 /13				
	(ii) For 37.5 mm maximum size	Cum	13986.80	1198.00	16756186.00

S. No.	Particular	Unit	Qty.	Rate	Amount
5	Wet Mix Macadam				
	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density in accordance to Table No. 400-12, 400-13 and as per clause of section 406 of specifications. A) By Sensor Paver				
	SOR Item No. 4.3/13	Cum	15725.00	1451.00	22816975.00
6	Prime Coat Over WMM/WBM				
	(i) Providing and applying primer coat with cationic bitumen emulsion on prepared surface of granular Base including cleaning of road surface and spraying primer at the rate of 0.70 to 1.00 kg/sqm using mechanical means as per clause 502 of specifications				
	SOR Item No. 5.1/18	Sqm	62900.00	44.00	2767600.00
7	Providing and applying tack coat with cationic bitumen emulsion using emulsion pressure distributor on the prepared bituminous/granular surface cleaned with mechanical broom and as per relevant clauses of section-503 of specifications.				
	(ii) @0.30 kg per sqm (dry & hungry bituminous surfaces /Granular surfaces treated with primer)				
	SOR Item No.5.3/18	Sqm	62900.00	15.00	943500.00
8	Dense Graded Bituminous Macadam				
	Dense Graded Bituminous Macadam Providing and laying dense bituminous macadam using crushed aggregates of specified grading, premixed with bituminous binder @ 4.0 to 4.5% by weight of total mix of mix and filler, transporting the hot mix to work site, laying with a Electronic Sensor paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per clause 505 of specification complete in all respects. b) Using Drum Mix Plant of appropriate capacity. (iv) for Grading II (26.5 mm nominal size) Bitumen Content minimum 4.5% with bitumen 60/70 (VG 30)				
	SOR Item No.5.6/19	Cum	3145.00	8259.00	25974555.00

S. No.	Particular	Unit	Qty.	Rate	Amount
9	<p>Bituminous Concrete</p> <p>Providing and laying bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder @ 5.4 to 5.6 % by weight of total mix of mix and filler, transporting the hot mix to work site, laying with an Electronic Sensor paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory tandem and pneumatic tyre rollers to achieve the desired compaction as per clause 507 of specification.</p> <p>b) Using Drum Mix Plant of appropriate capacity.</p> <p>(v) for Grading-II (30-40 mm thickness) Bitumen Content minimum 5.4% with 60/70 bitumen (VG-30)</p> <p>SOR Item No.5.7/20</p>	Cum	1887.00	9760.00	18417120.00
10	<p>Construction of Shoulders with approved material/selected soil i/c excavation all lifts & leads i/c grading to required slope & camber of 4% and compacting on OMC using vibratory roller of 80 to 100 kN static weight. Field compaction shall be done in corresponding layers of carriage way thickness and meet the requirements of MDD to achieve compaction (98% - 100%) as per relevant clause of 408.</p> <p>A-Hard Shoulders (CBR value >12)</p> <p>SOR Item No. 4.16/15</p>	Cum	5663.52	398.00	2254081.00
113	<p>Dry Lean Cement Concrete Sub- base</p> <p>Construction of dry lean cement concrete Sub- base over a prepared sub-grade or drainage layer with coarse and fine aggregate conforming to IS: 383, the size of coarse aggregate not exceeding 25 mm, aggregate cement ratio not to exceed 15:1, aggregate gradation after blending to be as per table 600-1, cement content not to be less than 150 kg/ cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver finisher with electronic sensor, compacting with 8- 10 tonnes vibratory roller, finishing and curing as per clause 601 of specification complete in all respect</p> <p>SOR Item No.6.1/28</p>	Cum	1390.00	2712.00	3769680.00

S. No.	Particular	Unit	Qty.	Rate	Amount
12	Cement Concrete Pavement Cement Concrete Pavement Construction of unreinforced, dowel jointed, plain cement concrete pavement with M-30 grade concrete over a prepared sub base with cement, coarse and fine aggregate conforming to IS 383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a batching and mixing plant as per approved mix design, transported to site, laid with electronic sensor slip form paver, spread, compacted and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, sealant primer, joint sealant, debonding strip, admixtures as approved, curing compound, finishing to lines and grades as per drawing as per IRC 15 2011 and as per relevant clauses of section 602 of specifications complete but excluding cost of steel in dowel bar and tie rods etc. including groove cutting for width of 4 mm- 6mm and 1/3rd depth of PQC within 8-10 hrs of placing/ finishing of PQC including cleaning of groove and providing approved sealant filling etc. as per clause 602.2.10 and 600.10 and				
	SOR Item No.6.3/28	Cum	3780.00	5532.00	20910960.00
13	Providing and fixing Steel in dowel bar and tie rod including cradle, laps etc. complete required as per design.				
	SOR Item No.6.8/29				
	(a) Mild steel conforming to IS: 432:1982	Mt	27.97	57734.00	1614820.00
	(b) Tor steel conforming to IS: 1786:2008	Mt	1.18	58734.00	69306.00
14	Scarifying existing bituminous surface to a depth of 50 mm by mechanical means Scarifying the existing bituminous road surface to a depth of 50 mm and disposal of scarified material with in all lifts and lead up				
	SOR Item No.3.12/10	Sqm	9375.00	10.00	93750.00
15	Dismantling of Cement Concrete Pavement Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling Serviceable material at designated locations and disposal of unserviceable materials up to a lead of 1000 meters,				
	SOR Item No.2.5/6	Cum	525.00	1296.00	680400.00
16	Kilo Metre Stone (Reinforced cement concrete M15grade kilometre stone of standard design as per IRC:8-1980, fixing in position including painting and printing etc)				
	SOR Item No. 8.36/56				
	(ii)Ordinary Kilometer stone (Precast)	Each	6.00	2131.00	12786.00
	(iii)Hectometer stone (Precast)	Each	24.00	621.00	14904.00

S. No.	Particular	Unit	Qty.	Rate	Amount
17	<p>Retro- reflectorised Traffic signs Providing and fixing of retro-reflectorised cautionary, mandatory and inforamatory sign board as per IRC 67-2022 made of high intensity Micro-Prismatic Grade Sheeting (Type XI) vide IRC: 67:2022 clause 6.7.4.3 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:67:2022 and Table 800-1 of MoRT&H specification and High Intensity Micro Prismatic Grade Sheeting shall conform to Table 6.6 of IRC:67:2022 and Table 800-3 of MoRT&H specification of in the clause 6.8 of the IRC 67-2022 and clause 801.3.7 of MoRT&H message legend numerical letter etc. and borders shall be screen printed on high intensity micro prismatic sheeting shall conform to clause 801.3.7 with digital printing ink or of cutout from transparent durable overlay or cutout from the same type of reflecting sheeting for cautionary/ mandatory/ signs, supported on MS sign post of size 75mm x75mm x 6mm of 3.60 meter over all length and fix to ground by means of properly designed foundation of dimension 450x450x600mm with M20 grade concrete. The ACM sheet shall be fixed to the post with four minimum four number breakaway bolts. & supported with a backsupport frame of 25mmx25mmx3mm angle. 10 years warranty for Retro Reflection Sheeting to be provided from the original sheeting manufacture brand like 3M/Avery Dennison/ Orafol Make as per clause 6.9 of IRC: 67:2022 & a certified copy for three years for outdoor exposure report from an independent test lab as per clause 6.7 of IRC: 67:2022 for the product offered shall be submitted by the contractor. Note: - Manufacture name and date of manufacture is to be printed</p>				
	SOR Item No.8.4/42				
	ii)90 cm equilateral triangle	Each	4.00	4700	18800.00
	iii)75 cm equilateral triangle	Each	2.00	3938	7876.00
	iv)60 cm equilateral triangle	Each	4.00	3827	15308.00
	v) 120 cm circular	Each	2.00	9923	19846.00
	vi)90 cm circular	Each	4.00	6531	26124.00
	viii)60 cm circular	Each	4.00	4178	16712.00
	ix)80 cm x 75 cm rectangular	Each	4.00	6800	27200.00
	x)80 cm x 60 cm rectangular	Each	4.00	5500	22000.00
	xii)60 cm x 45 cm rectangular	Each	4.00	4064	16256.00
	xiii)60 cm x 60 cm square	Each	6.00	4685	28110.00

S. No.	Particular	Unit	Qty.	Rate	Amount
18	<p>Direction and Place Identification signs upto 0.9 sqm size board. Providing and fixing of retro-reflectorised cautionary, mandatory and informatory sign board as per IRC 67-2022 made of high intensity Micro-Prismatic Grade Sheeting (Type IV) vide IRC: 67:2022 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:67:2022 and Table 800-1 of MoRT&H specification and High Intensity Micro Prismatic Grade Sheeting shall conform to Table 6.6 of IRC:67:2022 and Table 800-3 of MoRT&H specification of in the clause 6.8 of the IRC 67-2022 and clause 801.3.7 of MoRT&H message legend numerical letter etc. and borders shall be screen printed on high intensity micro prismatic sheeting shall conform to clause 801.3.7 with digital printing ink or of cutout from transparent durable overlay or cutout from the same type of reflecting sheeting for cautionary/mandatory/ signs, supported on 2 nos. of MS sign post of size 75mm x75mm x 6mm of 3.60 meter over all length and fix to ground by means of properly designed foundation of dimension 450x450x600mm with M20 grade concrete. The ACM sheet shall be fixed to the post with four minimum four number breakaway bolts. & supported with a back-support frame of 25mmx25mmx3mm angle. 7 years warranty for Retro Reflection Sheeting to be provided from the original sheeting manufacture brand like 3M/Avery Dennison/Orafol Make as per clause 6.9 of</p>				
	SOR Item No.8.7/44	Sqm	174.60	14497.00	2531176.00

S. No.	Particular	Unit	Qty.	Rate	Amount
19	Providing and laying reinforced cement concrete pipe 300mm dia NP-4 for service ducts below concrete pavement.				
	a) 300 mm Dia	RM	432.00	850.00	367200.00
	SOR Item No.6.15/31				
20	Providing and Laying Reinforced Cement Concrete Pipe NP4/prestrssed concrete pipe on first class bedding in single row Providing and Laying Reinforced cement concrete pipe NP4/prestrssed concrete pipe for culverts on first class bedding of granular material (cost of bedding included) in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets.				
	SOR Item No.9..2/63				
	A-600 mm Dia	RM	120.00	4250.00	510000.00
21	Metal Beam Crash Barrier B Type - B, "THRIE" : Metal Beam Crash Barrier (Providing and erecting a "Thrie" metal beam crash barrier comprising of 3 mm thick corrugated sheet metal beam rail, 85 cm above road/ground level, fixed on ISMC series channel vertical post, 150 x 75 x 5 mm spaced 2 m centre to centre, however 5 spaces of 600mm each between vertical post and 5 spaces of 900mm each between vertical post will be kept adjacent to RCC parapet/ concrete crash barrier in accordance to figure 9.14 of the IRC-SP: 73-2018 2 m high with 1.15 m below ground level, all steel parts and fitments to be galvanised by hot dip process, all fittings to conform to IS:1367 and IS:1364, metal beam rail to be fixed on the vertical post with a space of channel section 150 x 75 x 5 mm, 546 mm long complete as per clause 811) and treatment for metal beam cresh barrier on approach shall be modified eccentric loader terminal arrangement as shown in figure 9.12 of IRC- SP : 73-2018 End portion of metal beam crash barrier shall be flared outside by 1.25 mtr. Distance in last section of 8 mtr. Length. Departure side it shall be trailing terminal (TT) arrangement as shown in figure 9.13 of the IRC SP-73- 2018. End portion of metal beam crash barrier shall be flared outside by 0.35 mtr. Distance in last section of 8 mtr. Length.				
	SOR Item No.8.17/50	RM	400.00	5393.00	2157200.00

S. No.	Particular	Unit	Qty.	Rate	Amount
22	<p>Road Markers/Road Stud with Lense Reflector Providing and fixing single mound twin shanked molded Road Markers/Road Stud made of poly carbonate or ABS body and shall support a load of 13635 Kg tested in accordance to ASTM D 4280 and complying lo specifications of Section-5 of IRC:35-2015 and clause 804.2.2 of MORT&H and Section-5 of IRC:35-2015. he reflecting panels shall consist of number of lenses containing single or dual prismatic cubes capable of providing total internal reflection of the light entering the lens face. The slope or retro-reflecting surface should be 35 + 5 degree to base. The reflective marker shall be fixed to the road surface using the epoxy/ adhesives and the procedure recommended by the manufacturer. No nails shall be used to affix the markers so Cubes capable of that they do not pose safety hazard on the road.. The contractor shall submit a two year replacement warranty. for satisfactory field performance including stipulated retro-reflectance of the reflecting panel.</p>				
	SOR Item No.8.23/52	Each	900.00	309.00	278100.00
23	<p>Road Marking with Hot Applied Road Marking with Hot Applied Thermoplastic Compound with Reflectorizing Glass Beeds on Bituminous surface. Providing and applying (Cleaning of Bituminous surface) thermoplastic compound having composition of binder (Regin) minimum 18 %, titanium dioxide minimum 10 % and intermixed glass beed, minimum 30% of brand like Asian, Burger or equivalent make of 2.5 mm thick including drop down reflectorizing, glass beeds @ 250 gms per sqm area thickness of 2.5 mm is exclusive of surface applied glass beeds as per IRC:35.The finished surface to be level, uniform and free from streaks and holes, all complete as per clause 803 of specifications. Note: - The guarantee of Thermoplastic should be minimum 3 Years.</p>				
	SOR Item No.8.38/56	Sqm	2520.00	440.00	1108800.00
24	<p>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. With Batching Plant, (Pan Type or Twin Shaft type) Transit Mixer and Concrete Pump RCC Grade M20</p>				
	SOR Item No. 12.6(C) /77	Cum	882.00	4610.00	4066020.00
25	<p>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 500</p>				
	SOR Item No. 12.30 /80	TON.	35.28	67252.00	2372651.00

S. No.	Particular	Unit	Qty.	Rate	Amount
26	Planting Permanent Hedges including Digging of Trenches Planting permanent hedges including digging of trenches, 60 cm wide and 45 cm deep, refilling the excavated earth mixed with farmyard manure, supplied at the rate of 4.65 cum per 100 metres and supplying and planting hedge plants at 30 cm apart.				
	SOR Item No.11.1/74	metre	2800.00	197.00	551600.00
27	Planting of Trees and their Maintenance for one Year Planting of trees by the road side (Avenue trees) in 0.60 m dia holes, 1 m deep dug in the ground, mixing the soil with decayed farm yard/sludge manure, planting the saplings, backfilling the trench, watering, and maintaining the plants for one year.				
	SOR Item No.11.2/74	each	140.00	779.00	109060.00
28	Supply of following material including all lead and stacking etc. complete. (ii) Sand/Shingle/Kanker/Laterite				
	SOR Item No.1.3 /80	Cum	1960.00	275.00	539000.00
29	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 material) (i) Depth upto 3 m				
	SOR Item No.12.1 (i)/96	cum	7661.49	79.00	605258.00
30	(ii) Depth 3 m to 6 m II Ordinary rock (not requiring blasting) (i) Depth upto 3 m SOR Item No.12.1 (II)i/96				
		cum	454.26	87	39521.00
		Cum	706.15	239.00	168769.00
31	Providing Plain cement concrete M-15 nominal mix in foundation as per relevant clauses of sections 1500,				
	SOR Item No.12.3/96	Cum	617.94	4225.00	2610797.00
32	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 Concrete with plant (Drum Type) and placing B - PCC Grade M20				
	SOR 12.6 PAGE 97	Cum	3234.00	4083.00	13204422.00

S. No.	Particular	Unit	Qty.	Rate	Amount
33	Steel work in built up tubular trusses/frame Steel work in built up M.S. tubular section (round, square or rectangular hollow tubes etc.) trusses/frame work etc. including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete				
	Hot finished seamless tubes Hot finished seamless type tubes				
	SOR Item No.10.14.2	Kg	215.50	123.00	26507.00
34	Providing and Laying Reinforced Cement Concrete Pipe NP4/prestrssed concrete pipe on first class bedding in single row . Providing and Laying Reinforced cement concrete pipe NP4/prestrssed concrete pipe for culverts on first class bedding of granular material (cost of bedding included) in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets.				
	A) 1000 mm dia.				
	SOR 9.2 PAGE 63	metre	300.00	6732.00	2019600.00
35	Providing P.C.C. M-15 Nominal mix for hume pipe culverts in foundation and sub structure etc. as per drawing and as per relevant clauses of section 1500,				
	SOR 9.8 PAGE 64	Cum	589.95	4425.00	2610529.00
36	Providing and Laying Reinforced Cement Concrete Pipe NP 4 /prestrssed concrete pipe on first class bedding in double row . Providing and Laying Reinforced cement concrete pipe NP4 /prestrssed concrete pipe for culverts on first class bedding of granular material (cost of bedding included) in double row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets				
	A) 1000 mm dia.				
	SOR 9.3PAGE 63	mtr.	150.00	13621.00	2043150.00
37	Providing and Laying Reinforced cement concrete pipe NP4 prestrssed concrete pipe for culverts on first class bedding of granular material (cost of bedding included) in triple row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in headwalls and parapets and as per relevant clauses of section-2900.				
	A) 1000 mm dia.				
	SOR 9.4/PAGE 63	mtr.	30.00	23196.00	695880.00

S. No.	Particular	Unit	Qty.	Rate	Amount
38	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 . With Concrete with plant (Drum Type) and placing SOR 12.6 PAGE 96				
	PCC Grade M15	Cum	2094.07	3925.00	8219219.00
	RCC Grade M20	Cum	990.00	4110.00	4068900.00
39	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 500				
	SOR 12.33 PAGE 101	mt	71.96	67252.00	4839751.00
40	Plain/Reinforced cement concrete in sub-structure complete as per drawing and technical				
	E RCC Grade M20 Concrete with plant (Drum Type) and placing 1 Height up to 5 m	Cum	968.00	4384.00	4243697.00
	F RCC Grade M25 Concrete with plant (Drum Type) and placing 1 Height up to 5 m				
	SOR 13.1 PAGE 105	Cum	52.72	4946.00	260768.00
41	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 500				
	SOR 13.4/110	mt	11.44	67395.00	770751.00
42	Providing and Placing Reinforced / Prestressed cement concrete in superstructuree/x reinforcement as per drawing and Technical Specification and as per relevant clauses of sections 1500, 1700 and 2300 in				
	B - RCC Grade M25 (i) Solid Slab 1 Height up to 5 m				
	SOR 14.1/116	Cum	378.76	5379.00	2037329.00

S. No.	Particular	Unit	Qty.	Rate	Amount
43	Supplying, fitting and placing HYSD bars reinforcement in superstructure complete as per confirming to IS 1786:2000 drawing and technical specifications as per relevant clauses of section 1600 FE 500				
	SOR 14.4/125	TON.	30.30	67538.00	2046434.00
44	Providing weep holes in Brick masonry/Plain/Reinforced concrete abutment, wing wall/return wall with 100 mm dia AC/PVC pipe, extending through the full width of the structure with slope of 1V :20H towards drawing face. Complete as per drawing and Technical				
	SOR 13.7/110	metre	884.72	174.00	153941.00
45	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				
	SOR 13.8/110	Cum	961.12	771.00	741024.00
46	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 over the entire surface behind abutment, wing wall and return wall to the full height compacted to a firm condition complete as per drawing and technical				
	SOR 13.9/110	Cum	153.73	871.00	133903.00

S. No.	Particular	Unit	Qty.	Rate	Amount
47	Filler joint (iii)Providing and fixing in position 20 mm thick premoulded joint filler in expansion joint for fixed ends of simply supported spans not exceeding 10 m to cater for a horizontal movement upto 20 mm, covered with sealant complete as per drawing and technical specifications.				
	SOR 14.24/129	metre	355.20	152.00	53990.00
48	Providing and laying Cement concrete wearing coat 75 mm thickwith M-30 grade concrete with cement , coarse and fine aggregate conforming to IS 383, maximum size of coarse aggregate not exceeding 19 mm, mixed in a batching and mixing plant as per approved mix design, transported to site, laid with static paver, spread, compacted and finished with power trowel in a continuous operation including provision of admixtures as approved, curing compound, finishing to lines and grades as per drawing but including cost of steel etc. including reinforcement, texuring with texuring brush complete as per drawing and Technical Specifications and as per relevant clauses of sections 1500, 1700 and Clause 2702 of				
	SOR 14.11/127	Cum	1.08	10517.00	11358.00
49	Drainage Spouts complete as per drawing and Technical specification and as per clause 2705 of specifications.				
	SOR 14.17/128	Each	12.00	1227.00	14724.00
50	Providing painting, figuring & numbering to major bridges, linear water-way exceeding 30m.Complete with Synthetic Enamel Paint. (i) Two coats on new work				
	SOR 10.35/78	Each	8.00	268.00	2144.00
51	Painting two coats on new concrete surface Painting two coatsafter filling the surface with synthetic enamel paint in all shades on new concrete surfaces				
	SOR 8.41/57	Sqm	201.60	95.00	19152.00
52	PCC M15 Grade leveling course below approach slab complete as per drawing and Technical specification and as per relevant clauses of section				
	SOR 14.18/128	Cum	33.00	5651.00	186483.00
53	Reinforced cement concrete non-structural approach slab (Grade of concrene 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				
	SOR 14.19/128	Cum	55.00	6672.00	366960.00
Total					213152385
					2131.52

Sub Engineer
P.W.D. (B/R)Sub Division
SIMHASTHA UJJAIN

Sub Divisional Officer
P.W.D. (B/R)Sub Division
SIMHASTHA UJJAIN

Executive Engineer
P.W.D. (B/R) Division
SIMHASTHA UJJAIN