

Validate Print Help

Percentage BoQ

Tender Inviting Authority: Engg-in Chief RWD Patna

Name of Work: Musachak to Masha Alam (VR6) Pkg no.-BR-33R-633

Contract No: Civil Works/

Bidder  
Name :

**PRICE SCHEDULE**

(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only )

NUMBER	TEXT #	NUMBER #	TEXT #	NUMBER	NUMBER #
Sl. No.	Item Description	Quantity	Units	Estimated Rate	TOTAL AMOUNT
1	2	4.00	5	6.00	53.00
1	Clearing and grubbing road land including uprooting wild vegetation, grass, bushes, shrubs, saplings and trees of girth upto 300 mm, removal of stumps of such trees cut earlier and disposal of unserviceable materials and stacking of serviceable material to be used or auctioned, upto a lead of 1000 m including removal and disposal of top organic soil not exceeding 150 mm in thickness as per Technical Specification Clause 201.	0.41	Hect	36629.13	15017.94
2	Dismantling Brick/Tile Work Dismanting of existing structure like culverts, Bridges, retaining walls and other structures comprising of brick masonry including disposal of unserviceable material and stacking the serviceable material with all lift and lead of 1000 m as per technical specification clause 202	99.00	cum	300.43	29742.57
3	Removal of Hume Pipe Removing all types of hume pipes and stacking within a lead of 1000 m including earthwork and dismanting of masonry works as per technical specification clause 202. Above 600 mm to 900 mm in Hume Pipe	10.00	m	209.46	2094.60
4	Setting out work Construction of Benchmark and Reference Pillars as per specification and drawing 200.1 & 200.2	2.05	km	11946.08	24489.46
5	Excavation in Soil using Hydraulic Excavator and Tippers with disposal upto 1000 m as per technical Specification clause 302.3	611.26	cum	67.48	41247.82
6	Construction of Embankment with approved deposited at site from roadway cutting and excavation from drain and foundation of other structure graded and compacted to meet requirement of tables 300.1 and 300.2 as per technical specification clause 301.5	611.26	Cum	44.46	27176.62
7	Construction of embankment with approved material obtained from borrow pits with a lift upto 1.5 m, transporting to site, spreading, grading to required slope and compacting to meet requirement of Tables 300.1 and 300.2 as per Technical Specification Clause 301.5 Lead from 750m to 1000m Select soil for Embankment of BT road Portion 20%	6284.28	Cum	117.00	735260.76

NUMBER	TEXT #	NUMBER #	TEXT #	NUMBER	NUMBER #
Sl. No.	Item Description	Quantity	Units	Estimated Rate	TOTAL AMOUNT
1	2	4.90	5	6.00	53.00
8	Construction of subgrade and earthen shoulders with approved material obtained from borrow pits with all lifts and leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of Table 300.2 with lead upto 1000 m as per Technical Specification Clause 303.1.	6010.19	Cum	137.49	826341.02
9	Laying Brick soling layer as prepared sub grade with brick on end eaging according to lines graded and cross section shows on the drawing filling joints with sands and earth spreading 25 mm thick layer of earth as per brick soling material & rolling as per technical specification. clause 407	417.30	sqm	518.60	216411.78
10	Construction of granular sub-base by providing well graded Grading I material, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with smooth wheel roller to achieve the desired density, complete as per Technical Specification Clause 401.	1449.99	Cum	2207.04	3200185.93
11	Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with three wheel 80-100 kN static roller in stages to proper grade and camber, applying and brooming, crushable screening to fill-up the interstices of coarse aggregate, watering and compacting to the required density Grading 3 as per Technical Specification Clause 405.	703.04	Cum	3658.68	2572198.39
12	Providing and applying primer coat with bitumen emulsion (SS-1) on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.70-1.0 kg/sqm using mechanical means as per Technical Specification Clause 502	7699.80	sqm	46.15	355345.77
13	Tack Coat Providing and Applying tack coat with Emulsion (RS-1) @0.25 to 0.30 Kg. per sqm and prepared surfaces Treated with primer & cleaned with hydraulic broom as per technical specification sub clause 503	7699.80	sqm	15.35	118191.93
14	Providing laying and Rolling of clause graded premix surfacing material of 20mm thickness composed of 13.2 mm to 0.90 mm type B aggregates and level to surface as wearing course as previously prepared with base including mixing in suitable plant laying & rolling with three wheel 8-10 KN static roller and finising to required leveland grades as per tech. spec. clause 509(Mech. means)	7699.80	sqm	216.18	1664542.76
15	Construction of granular sub-base by providing well graded material, Grading II spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with smooth wheel roller to achieve the desired density, complete as per Technical Specification Clause 401.	260.55	Cum	2207.04	575044.27

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1	2	4.00	5	6.00	53.00
16	Construction of Cell Fill Roller Compacted Concrete Pavement (RCCP) with coarse and fine aggregates conforming to IS:383, the size of coarse aggregate not exceeding 25 mm with minimum aggregate cement ratio of 5:1 and with minimum cement content of 310 kg per cum, aggregate gradation to be as per Table 602.2 after blending, mixing in concrete mixer at optimum moisture content, transporting to site, laying with wheel barrows or steel pans or with mechanical paver, compacting with 80-100 kN smooth wheel, tandem vibratory roller, to achieve, the designed flexural strength, finishing and curing as per drawings and Technical Specification Clause 1502 under R&D PMGSY Project.	170.10	Cum	7003.35	1191269.84
17	Laying Cement Concrete Pipe NP3 300 mm dia (buried conduits) on first class bedding of granular material including fixing collar with cement sand mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry work in head wall and parapets	62.50	Cum	643.35	40209.38
18	Reinforced cement concrete M15 grade kilometre stone/local stone of standard design as per IRC:8 fixing in position including painting and printing, etc as per drawing and Technical Specification Clause 1703 II Ordinary Kilometer Stone (Precast)	3.00	Each	2325.11	6975.33
19	III 200 m stone (precast)	11.00	Each	609.90	6708.90
20	Providing and fixing of typical PMGSY informatory sign board with Logo as per MORD specifications and drawing. Three MS Plates of 1.6 mm thick, top and middle plate duly welded with MS flat iron 25mm x 5m size on back on edges. The lower plate will be welded with MS angle iron frame of 25mm x 25mm x 5mm. The angle iron frame of the lower most plate and flat iron frame of middle plate will be welded to 2 nos. 75mm x 75 mm of 12 SWG sheet tubes posts duly embedded in cement concrete M-15 grade blocks of 450mm x 450mm x 600mm, 600mm below ground level. The top most diamond plate will be welded to middle plate by 47mm x 47mm of 12 SWG steel plate tube. All M.S. will be stove enameled on both sides. Lettering and printing arrows, border etc. will be painted with ready mixed synthetic enamel paint of superior quality in required shade and colour. All sections of framed posts and steel tube will be painted with primer and two coats of epoxy paint as per drawing Clause 1701 and Annexure 1700.1SOR Item No.-10.16 1700	1.00	Each	9463.00	9463.00
21	Providing & Fixing of Logo of "Citizen Information Board" SOR Item No.- 1700	1.00	Each	4809.36	4809.36
22	) Providing & Fixing of Logo of "Citizen Information Board" with all aluminium SOR Item No.- 1700	2.00	Each	10242.97	20485.94

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1	2	4.00	5	6.00	53.00
23 22	Traffic Sign Providing and fixing of retro-reflectorised cautionary, mandatory and informatory sign as per IRC:67 made of encapsulated lens type reflective sheeting vide Clause 1701.2.3 fixed over aluminium sheeting, 1.5 mm thick supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 450 mm x 450 mm x 600 mm, 600 mm below ground level as per drawings and Technical Specification Clause 801 900mm equilateral & triangle SOR Item No.-10.2 1700 & 300	1.00 ✓	Each ✓	3149.00 ✓	3149.00 ✓
24 23	Cautionary, mandatory, informatory, direction and place identification signs 600 mm below ground level as per drawings and Technical Specification Clause 801	4.00 ✓	Each ✓	2047.26 ✓	8189.04 ✓
25 24	Road marking with applied thermoplastic compound reflectorising glass beads on bituminous surface	410.00 ✓	sqm ✓	797.26 ✓	326876.60 ✓
26 25	Earthwork in excavation for foundation of structures upto 3 m depth as per drawing and technical specification Clause 1104 including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material.	269.39 ✓	Cum ✓	238.70 ✓	64303.39 ✓
27 26	Plain Cement Concrete M10 (1:3:6 nominal mix) in levelling course below open foundation of Head walls as per drawings & Technical Specification Clause 1109	39.911 ✓	Cum ✓	6467.61 ✓	258128.78 ✓
28 27	Providing concrete for plain/reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203	167.236 ✓	Cum ✓	6199.14 ✓	1036719.38 ✓
29 28	Backfilling in Foundation Trenches as per drawing and technical specification Clause 1108 (With Sandy material)	8.889 ✓	Cum ✓	581.53 ✓	5169.22 ✓
30 29	Providing and laying reinforced cement concrete pipe NP3 of 1000mm dia. for culverts on first class bedding of granular material 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 Clause 1106.	22.50 ✓	Rmt ✓	3410.55 ✓	76737.38 ✓
31 30	Plain/reinforced cement concrete in sub structure complete as per drawings and technical specification Clauses 802, 804, 805, 806, 807, 1202 and 1204 of MoRD with PCC M15 grade nominal mix 1:2.5:5 M-15 nominal Mix concrete	67.986 ✓	Cum ✓	6384.48 ✓	434055.26 ✓
32 31	Supplying, fixing, and placing HYSD bar reinforcement in superstructure complete as per drawing and technical specifications Clauses 1002, 1010 and 1202	2.586 ✓	MT ✓	55191.40 ✓	142724.96 ✓

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1	2	4.00	5	6.00	53.00
33 32	Providing and laying reinforced cement concrete in superstructure as per drawing and technical specifications Clauses 800, 1205.4 and 1205.5 II R.C.C grade M 20	9.986	Cum	7749.41	77385.61
34 33	Providing and laying reinforced cement concrete in superstructure as per drawing and technical specifications Clauses 800, 1205.4 and 1205.5 II R.C.C grade M 25	12.96	Cum	8194.41	106199.55
35 34	Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing wall, return wall with 100 mm dia AC pipe extending through the full width of the structures with slope of 1(V):20(H) towards drawing face complete as per drawing and technical specification Clauses 614, 709, 1204.3.7	48.00	No.	100.61	4829.28
36 35	Drainage spouts complete as per drawing and technical specifications Clause 1209	4.00	No.	647.15	2588.60
37 36	1st Year Maintenance cost	1.00	Year	152703.00	152703.00
38 36	2nd Year Maintenance cost	1.00	Year	202471.00	202471.00
39 38	3rd Year Maintenance cost	1.00	Year	332208.00	332208.00
40 39	4th Year Maintenance cost	1.00	Year	408639.00	408639.00
41 40	5th Year Maintenance cost	1.00	Year	485059.00	485059.00
	TOTAL				15811349.42
					15810802.00

158,11,349.42

Say 158,11,349.42

Approved 40 (fourty) round  
valuing @ 1,58,11,349.42 (one  
crore fifty eight lakh eleven  
thousand three hundred forty  
nine) only. as corrected.

11/6  
17/4/18  
**Executive Engineer**

Rural Works Department  
Works Division, Belser

12.4.18  
T. P.

S. E. T. P.  
R.W.D. Works circle  
Sitamarhi.