

कार्यालय अधिशाषी अभियन्ता सा.नि.वि. खण्ड शाहाबाद जिला बारां

ईमेल :- pwd_shahabad@rediffmail.com

क्रमांक : 100

दिनांक : 23/4/2024

श्रीमान् उप वन संरक्षक,
बारां।

विषय :- वन क्षेत्र में प्रस्तावित सड़कों पर उचित स्थानों पर अण्डपास का तकमीना प्रस्तुत करने बाबत्।

महादेय,

उपरोक्त विषयान्तर्गत निवेदन है कि आप द्वारा निम्न सड़क का तकमीना चाहा गया था, जो पत्र के साथ संलग्न कर आवश्यक कार्यवाही हेतु प्रस्तुत है।

जिसका विवरण निम्न प्रकार है :-

क्र.सं.	सड़क का नाम	तकमीना की राशि (लाखों में)
1.	शाहाबाद से राजपुर सड़क का निर्माण कार्य	94.33

संलग्न :- तकमीने 1 नं.


(हरि प्रसाद मीना)
अधिशाषी अभियन्ता
सा.नि.वि. खण्ड शाहाबाद

ABSTRACT

**Name of Proposal - Construction of Road from
Shahabad to Rajpur**

**Animal under passes at Ch. 0/475, 1/670, 2/550 ,
3/600**

Sr. No.	Description of Item	Amount (In Rs.)
1	RCC 1 SPAN 4 M (4 Nos)	8,144,584.00
TOTAL		8,144,584.00
	Add 1.50 % for Contingency Charges	122,169.00
	Add 1.00 % for Quality Control Charges	81,446.00
	TOTAL	8,348,199.00
	Add 13% Proreta Charges	1,085,266.00
	TOTAL	9,433,465.00
Say in Lacs(Rs.)		94.33
Total		94.33


Assistant Engineer
P.W.D. Sub Dn. Shahabad


Executive Engineer
P.W.D. Dn. Shahabad

ESTIAMTE

Name of Proposal - Construction of Road from Shahabad to Rajpur

RCC 1 SPAN 4 M.

Animal under passes

Ch. 0/475, 1/670, 2/550, 3/600

S.N	Item No	Description of Item	No.	Length (m)	Width (m)	Height	Quantity	Rate	Unit	Amount
		FOUNDATION								
1	B-1/1.1.4	Earthwork in excavation for foundation of structure complete with all lift, dewatering, shoring and shuttering etc. including refilling of trenches in 250 mm layer, ramming, watering and disposal of surplus soil within a lead of 1000 meters, as per drawing and technical specification. [MoRTH Specification : Clause 304]. In ordinary soil [MoRTH Specification : clause 301] BY MECHANICAL MEANS								
		Depth upto 3m	2	9.50	3.50	2.00	133.00			
		Abutment	0 x 1	11.70	4.20	2.00	0.00			
		Piers	2 x 2	3.00	2.96	2.00	71.04			
		Return					204.04	74.00	Per Cum	15099.00
2	B-2/6.2	Structural cement concrete (Design Mix) in open foundations, with form work, at any level. Cement concrete for plain/reinforced concrete in open foundations as per drawing and technical specification. [MoRTH Specification : Section 1700 & 1500]. With 20mm nominal size aggregate P.C.C. M-15 grade								
		Abutment	2	9.50	3.50	0.20	13.30			
			2	9.10	3.10	0.20	11.28			
		Piers	0 x 1	11.70	4.20	0.20	0.00			
			0 x 1	11.30	3.80	0.20	0.00			
		Return	2 x 2	3.00	2.96	0.40	14.21			
		Under Floor	1 x 1	2.96	7.50	0.10	2.22			
							41.01	4335.00	Per Cum	177778.00

S.N	Item No	Description of Item	No.	Length (m)	Width (m)	Height	Quantity	Rate	Unit	Amount
3	B-2/6.4.1	Structural cement concrete (Design Mix) in open foundations, with form work, at any level. Cement concrete for plain/reinforced concrete in open foundations as per drawing and technical specification. [MoRTH Specification : Section 1700 & 1500]. With 20mm nominal size aggregate R.C.C. M-20 grade By using concrete mixer								
		Abutment	2	8.70	2.70	0.40	18.79 Cum			
			2	(8.70 + 8.30)/2	(2.70 + 2.30)/2	0.40	18.00 Cum			
		Piers	0 x 1	10.90	3.40	0.40	0.00 Cum			
			0 x 1	10.10	2.60	0.40	0.00 Cum			
			0 x 1	9.30	1.80	0.40	0.0			

S.N	Item No	Description of Item	No.	Length (m)	Width (m)	Height	Quantity	Rate	Unit	Amount
5	B-3/5.2.1.1	SUB STRUCTURE Structural cement concrete for plain concrete/reinforced concrete for substructure at any level, complete as per drawing and technical specification. Design mix concrete – [MoRTH Specification : Section 1500 & 1700]. RCC M-20 grade, including form work Upto 5 mtr. height								
		Abutment	2 x 1	8.30	(2.10 + 0.80)/2	3.00	72.21 Cum			
		Piers	0 x 1	8.70	(1.80 + 1.20)/2	3.00	0.00 Cum			
			0 x 1	3.14/4 X 1/2	0.4225	3.00	0.00 Cum			
		Return	2 x 2	3.00	(2.16 + 0.45)/2	3.93	61.47 Cum			
							133.68 Cum	4844.00	Per Cum	647546.00
6	B-3/5.2.2.1	Structural cement concrete for plain concrete/reinforced concrete for substructure at any level, complete as per drawing and technical specification. Design mix concrete – [MoRTH Specification : Section 1500 & 1700]. RCC M-25 grade, including form work Upto 5 mtr. height								
		Abutment Bed Plate	2 x 1	7.50	0.80	0.50	6.00 Cum			
		Pier Cap	0 x 1	7.50	1.20	0.50	0.00 Cum			
			0 x 1	3.14/4 x 1/2	1.44	0.50	0.00 Cum			
		Dirt Wall	2 x 1	7.50	0.30	1.00	4.50 Cum			
							10.50 Cum	5366.00	Per Cum	56343.00
7	B-3/9.1	Steel reinforcement in substructure complete. [MoRTH Specification : Section 1600] HYSD reinforcement								
				133.68	7850.00	0.2%	2.10 MT			
				10.50	7850.00	1.50%	1.24 MT			
							3.34 MT	88951.18	Per `MT	297097.00
8	B-3/16	Providing A.C. pipe Weep holes 150mm dia in Masonry/plain Concrete/Reinforced Concrete abutment, wing wall/return wall complete as per drawing and technical specification. [MoRTH Specification : Clause 2205].	2	3.00	3.00		18.00 Rm	129.00	Per Rm	2322.00

S.N	Item No	Description of Item	No.	Length (m)	Width (m)	Height	Quantity	Rate	Unit	Amount
TOTAL										
1003308.00										
SUPER STRUCTURE										
9	B-4/1.1.3.1.1	Structural RCC/PSC upto a height of 5 mtr. for reinforced concrete in superstructure complete including steel formwork, scaffolding etc. As per drawing and technical specification. Design mix concrete. [MoRTH Specification : 1500 & 1700]. RCC M-30 grade Solid slab superstructure CC Mixer RCC Slab	1 x 1	4.80	7.50	0.425	15.30 Cum	6074.00	Per Cum	92932.00
10	B-4/2	Providing and laying HYSD bar reinforcement at any level in superstructure complete as per drawing and technical Specification. [MoRTH Specification : Section 1600] Steel for Slab		15.30	7850.00	1.00%	1.20 MT	90131.00	Per MT	108157.00
11	B-4/15	Providing and Laying PCC M-15 grade leveling course below approach slab complete as per drawing and technical specifications. [MoRTH specification : 2700]	2 x 1	3.50	7.20	0.15	7.56 Cum	3757.00	Per Cum	28403.00
12	B-4/16	Reinforced cement concrete M-30 grade approach slab including reinforcement and formwork complete as per drawing and technical specifications. [MoRTH specification : 1500, 1600, 1700, 2704]	2 x 1	3.50	7.20	0.30	15.12 Cum	9259.00	Per Cum	139996.00
11	B-4/4	Reinforced cement concrete wearing coat M-30 grade at any level including formwork and reinforcement complete as per drawing and technical Specification. [MoRTH Specification : Clause 2204, 1500 & 1700].	1 x 1	4.80	7.50	0.075	2.70 Cum	11188.00	Per Cum	30208.00

S.N	Item No	Description of Item	No.	Length (m)	Width (m)	Height	Quantity	Rate	Unit	Amount
12	B-4/10.3	Providing, laying and fixing of Filler Joint Providing and fixing in position 20mm thick Premoulded Joint Filler in expansion joint for fixed ends of simply supported spans not exceeding 10m to cater for a horizontal movement upto 20mm, covered with sealant complete as per drawing and technical specification in MoRTH specification : clause 2605.	2 x 1	4.80	0.425		4.08 RM	270.00	Per Rm	1102.00
13	B-4/10.4	Providing, laying and fixing of Filler Joint Providing and filling joint sealing compound as per drawings and technical specification with coarse sand and 6% bitumen by weight as per MoRTH specification : clause 2605.	2 x 1	4.80	10.000		96.00 RM	18.00	RM/ CM depth	1728.00
14	B-4/14	Drainage spout with GI pipe 100mm dia and GI bolt 10mm dia with galvanized MS flat clamp complete as per drawing and Technical Specification	2 x 2	2.00			8.00 Nos	1971.00	Each	15768.00
15	B-3/18	Providing & Laying of Filter media with granular Materials/stone crushed aggregates satisfying (IRC-78) the requirements laid down in clause 2504.2.2 of MoRTH specifications to a thickness of not less than 600mm 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 specification. (MoRTH specification : Clause 710, 2200, 2504).	2 x 1	11.76	0.60	3.50	49.39 Cum	875.00	Per Cum	43218.00
17	B-1/3.1	Back filling behind abutment, wing wall and return wall, in 150mm layers, with mechanical compaction, complete with all lead and lift, as per drawing and technical specification. [MoRTH Specification : Clause 304]. Gravelly Material								

S.N	Item No	Description of Item	No.	Length (m)	Width (m)	Height	Quantity	Rate	Unit	Amount
			2	(0.30 + 1.30)/2	(3.58 + 6.60)/2	3.00	24.43 Cum			
			1	3.00	(3.58 + 6.60)/2	3.93	59.93 Cum 84.36 Cum	452.00	Per Sqm	38132.00
20	B-4/7.1	Providing and laying reinforced cement concrete grade M-30 design mix railing complete as per drawing and technical Specification. [MoRTH Specification : 2703, 1500, 1600 & 1700]. Precast RCC railing	2 x 1	4.60			9.20 RM	1718.00	Per RM	15806.00
Total										515450.00
G.Total										2036146.00
								4	Nos	8144584.00


Assistant Engineer,

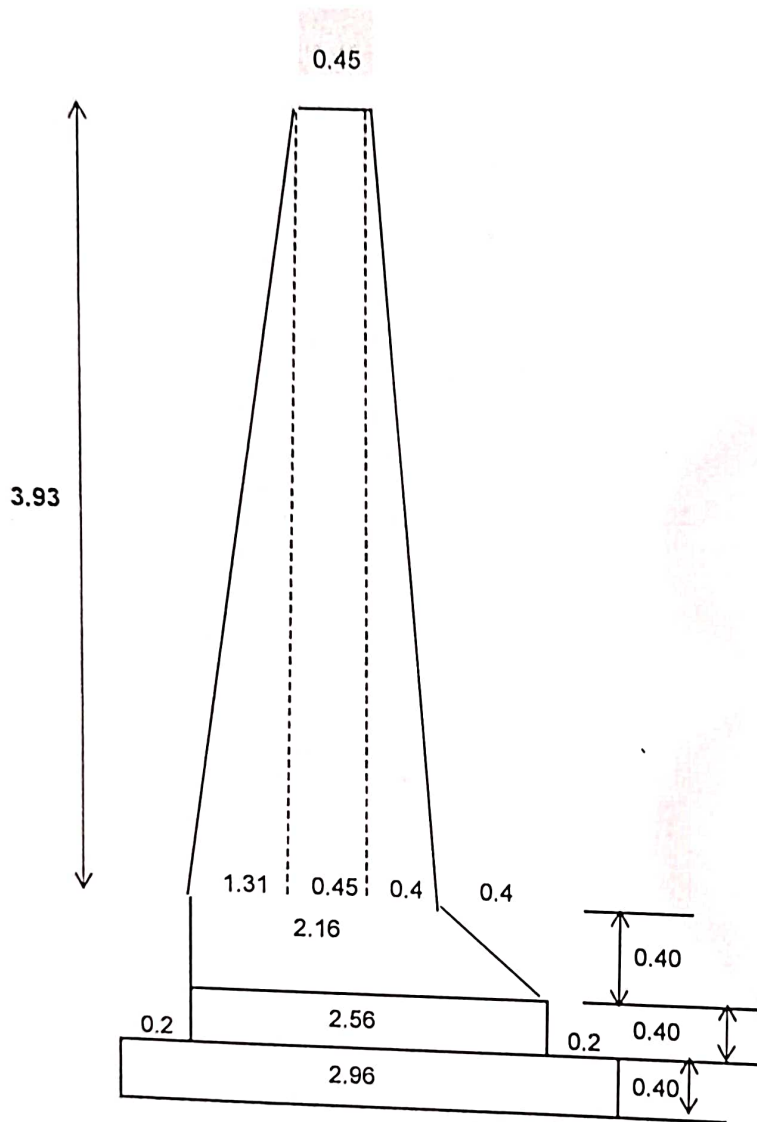
PWD Sub Dn. Shahabad



Executive Engineer,

PWD Dn. Shahabad

Name of Proposal - Construction of Road from Shahabad to
Rajpur
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SECTION OF RETURN

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