	Amount		-	42348.00	622992.00		Per Cum. 1023081.00
	Unit			Per Cum	Per Cum		Per Cum.
3	Rate			00.66	331.00		3512.00
	ıtity			C C C C C	Country		Cum Cum Cum Cum
	Quantity			82.88 232.88 112.00 427.76	331.50 931.50 448.00 171.15	<u> </u>	49.73 139.73 44.80 57.05
	Height			0.50	0 5 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	f.	0.30 0.30 0.20 0.10
ad) dge (Ch. 0/450)	Width (m)			7.50 7.50 1.60	7.50 7.50 1.60 8.15		7.50 7.50 1.60 8.15
Span 10.0m Major Bridge (Ch. 0/450)	Length (m)		·	11.05 10.35 10.00	11.05 10.05 10.00		11.05 10.35 10.00
In Chech!	No.			2 x 2 x 7 7 7 4 6	121 2 × × × 2 × × ×	. ,	××× 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
Rehabilitation of various roads at Muncipal Area Begun (Begun Chechl Samron Ka Lewa Road) RCC 7 Span 10.0m Major Bridge	Description of Item	FOUNDATION	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 Earth in excavation for foundation of specification. [MoRTH Specification: Clause 304]. In Ordinary/Soft rock (not requiring blasting) [MoRTH Specification: Clause 301] BY MECHANICAL MEANS		In Hard Rock [MoRTH Specification : Clause 301, 302, 303]. Requiring Blasting Abutment Piers Curtain Wall Flooring	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 Zumm nominal size aggregate P.C.C. M-15 grade By using concrete mixer Abutment Piers Curtain Wall Under Flooring
shabilitati	BSR Item No.		13.1.3.2		13.1.4.1	14.6.1.2	<u> </u>
ď	SN		-	<u>e</u>	9	7	a-1)

Amount			;;·			: #						1298642.00	2		2759738.00
Unit		1								i.		Per Cum			Per Cum
Rate				,								3960.00			3787.00
>	-				·			Cum	Cum	Cum	Cum	Cum	Cum	Cum	Cum
Quantity	i,							0.00	207.19 0.00 280.00	0.00	0.00	-22.40 -136.85 327.94	88.62	124.11	273.70
Height		ē			.ª			0.15	2.50 2.50 2.50	0.30 0.60 0.90	0.30	0.20	0.60	0.30	2.30
Width (m)								8.15	7.50 7.50 1.60	7.50 7.00 (9.55 × 1.60)	7.50 7.00 (9.15 × 0.90)	1.60 (0.50 + 1.20) 2.00	7.00 + (9.55 × 1.60)	7.00 + (9.15 × 0.90)	(0.50 + 1.20)/2
Length (m)						-		10.00	11.05	11.05 10.55 (10.55 × 7.00) +	10.35 9.85 (9.85 × 7.00) +	10.00	10.55 × 7.00)	9.85 (9.85 × 7.00)	10.00
o Z								۲ ×	- 9 ×	0 0 0 × × ×	ω ω ο × × ×	× ×	8 8	φ φ × ×	×
Description of Item	Structural cement concrete (Design Mix)	with form work, at	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 By using	concrete mixer P.C.C. M-20 grade Flooring	Abutment Abutment Piers O Curtain Wall	Abutment 0 Abutment 0 Abutment 0	Pier 0	Curtain Wall	With 20mm nominal size aggregate, By using batching plant R.C.C. M-25 grade Abutment Footing Base Tepring	Piers Footing Base Tepring 1	Curtain wall
BSR Item	14.6.1.3												14.6.2.3		
N.S.	(5.6)												(a)		

1.4.13.1 Providing and layer at any execution of team No. Length Width Height Quantity Rate Under the control of the complete as per drawing and televinal stay electron front HY2D Footing and layer at the control of the contro	Amount		4629625.00		301875.00		2100.00		33698.00	10714099.00			7
14.13.1 Providing and paying steel inforcement at any level in foundation complete as per drawing and technical paying steel definition complete as per drawing and technical paying steel definition complete as per drawing to the definition complete as per drawing the definition complete as per drawing the definition complete as per drawing the definition of the definition complete as per drawing the definition of the d	Cait		Per Mt		Per RM		Per Kg		Per Cum	-		V. (
14.13.1 Providing and laying steer informement at any level in the providing and laying steer informement at any level in the providing and laying steer informement at any level in the providing and laying steer informement at any level in the providing a steer drawing and retentional specification : Section 1600), HYSD 14.22.2 Drilling of holes upto S0mm dia suing rotary percussion of the providing practice of a water jeting till cleaning under pope of air water jeting till cleaning of holes upto S0mm dia suing pipe washing of holes upto S0mm dia suing parabhen in any strata, fixing of rasing pipe washing of holes upto S0mm dia suing parabhen in any strata, fixing of rasing pipe washing in cleaning under pope of air water jeting till cleaning under jeting of the provided suing of fournet pipe complete. 14.23 Grouting of fournet pipe complete. For pier, abutment etc.	Rate		52910.00		345.00		6.00		483.00				-
14.121 Providing and laying size inclinement at any level in foundation complete as per drawing and technical specification : Section 1600), HYSD 2.222 Drilling of holes upto Somm dia suing rotary percussion of holes upto Somm dia suing rotary percussion of holes by alternate cycles of air water jeting til cleaning water foundation by chemical coment camera to any strate. For pier, abutment etc. 14.222 Drilling of holes upto Somm dia suing rotary percussion of holes by alternate cycles of air water jeting til cleaning water foundation by chemical coment camera to any of the by alternate cycles of air water jeting til cleaning water foundation by chemical coment camera to any of specified complete. 350 1.00 1.	intity				RM				Cum		,	C C C	- = = = = = = = = = = = = = = = = = = =
14.121 Picture and layor steer enindecement at any level in function of the month of specification is seen of the month of	Qua		74.37 13.13 87,50		875.00		350.00		69.77 69.77			110.81	5.0
14.13.1 Providing and laying steel reinforcement at any level in the foundation complete as per drawing and steel in the form of technical specification. MoRTH Specification : Section 1600] HYSD	Height		7850.00		-				6.80			5.40	0.40
14.13.1 Providing and laying steel reinforcement at any level in foundation complete as per drawing and technical specification. MoRTH Specification: Section 1600]. HYSD bar reinforcement Footing For Anchor bars 14.22.2 Drilling of holes upto 50mm dia suing rotary percussion drilling machine in any strata, fixing of casing pipe washing of holes by alternate cycles of air & water jetting till cleaning water flows from the pipe complete. For pier, abutment etc. 14.23 Grouting of foundation by chemical cement/ cement sand slurry of specified consistency conforming is.6066 using ascending order. Foundation 13.4 Filter medium behind abutment, wing wall and return wall, complete as per drawing and technical specification. (Same as R7.20.3) [MoRTH Specification: Clause 2504]. SUBISTRUCTURE 15.5.2.1 Structural cement concrete for plain concrete/ reinforced concrete of substructure at any level, complete as per drawing and technical specification. Section 1500 & 1700]. RCC !M-25 grade. including form work For height upto 5 mit.	Width (m)		1.30%		1.00				09.0			(0.90 + 0.80)/2 (0.90 + 0.80)/2	×
14.13.1 (tem 14.13.1 (tem 14.13.1 Providing and laying steel reinforcement at any level in foundation complete as per drawing and technical specification. [MoRTH Specification : Section 1600]. HYSD bar reinforcement Footing Footing For Anchor bars 14.22.2 Drilling of holes upto 50mm dia suing rotary percussion diffiling machine in any strata, fixing of casing pipe washing of holes by alternate cycles of air & water jetting till cleaning water flows from the pipe complete. For pier, abutment etc. Grouting of foundation by chemical cement/ cement sand slury of specified consistency conforming 15:6066 using single/double packed assembly in either descending or ascending order. Foundation 13.4 Filter medium behind abutment, wing wall and return wall, complete as per drawing and technical specification. (Same as R7.20.3) [MoRTH Specification: Clause 2504]. SUBISTRUCTURE Abutment Concrete for plain concrete/ reinforced drawing and technical specification. Design mix concrete or substructure at any level, complete as per drawing and technical specification. Section 1500 & 1700]. RCC M-25 grade, including form work For height upto 5 mit.	Length (m)		728.74		2.50		1.00		8.55	TOTAL			06.0 ×
14.13.1 Providing and laying steel reinforcement at any level foundation complete as per drawing and technispecification. [MoRTH Specification : Section 1600]. HY barreinforcement Footing For Anchor bars 14.22.2 Drilling of holes upto 50mm dia suing rotary percuss drilling machine in any strata, fixing of casing pipe wast of holes by alternate cycles of air & water jetting till clear water flows from the pipe complete. For pier, abutment etc. Surgic/double packed assembly in either descending secending order Foundation 13.4 Filter medium behind abutment, wing wall and return complete as per drawing and technical specification. (Sas R7.20.3) [MoRTH Specification : Clause 2504]. Substructural cement concrete for plain concrete reinforconcrete for substructure at any level, complete as drawing and technical specification. Design concrete — [MoRTH Specification : Section 1500 & 17 RCC M-25 grade, including form work For height up mit.	No.			·	350		350						6/0 x 9
	Description of Item	Providing and laying steel reinforcement at any level in foundation complete as per drawing and technical specification. [MoRTH Specification: Section 1600]. HYSD bar reinforcement	For Anchor bars	Drilling of holes upto 50mm dia suing rotary percussion drilling machine in any strata, fixing of casing pipe washing of holes by alternate cycles of air & water jetting till cleaning water flows from the pipe complete.	For pier, abutment etc.	Grouting of foundation by chemical cement/ cement sand stury of specified consistency conforming IS:6066 using single/double packed assembly in either descending or ascending order	Foundation	Filter medium behind abutment, wing wall and return wall, complete as ner drawing and technical specification. (Same	as R7.20.3) [MoRTH Specification : Clause 2504]. Abutment		SUBISTRUCTURE Structural cement concrete for plain concrete/reinfo concrete for substructure at any level, complete as drawing and technical specification. Design concrete — [MoRTH Specification : Section 1500 & 17 RCC M-25 grade, including form work For height up mtr.	Abutment Stem Piers	
	-					14.23		13.4			15.5.2.2.1		-
	7	6	33.5	4		M		9					-

BSR Item		Description of Item	No.	Length	Width	Height	Quantity	tity	Otco	101	*
No.	***		- 1	(m)	(m)		,	, in	Lale	in o	Amount
Dirt Wall	Dir V	Уа⊪	× ×	8.55	0.54	0.50	6.16	E E			
	· Av						384.38	Cem	4326.00	Per Cum	1662828.00
15.9.1 Stee	Stee	Steel reinforcement in substructure complete. [MoRTH Specification: Section 1600] HYSD reinforcement	7 - F-S			,					
			-	384.38	7850.00	1.50%	45.26	T _M	53009.00	PerMT	2399187.00
15.16 Prov Mas wing spec	Prov Mas wing spec	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].			*			π.*			
-			×××;	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1.55	e e	24.80 22.40 20.00	Rmt Rmt			
			×		1.10		17.60	Rmt	118.00	Perrmt	10006.00
	1	10110		TOTAL							4072024 00
16.1.1.4 Struc	Struc	Structural RCC/PSC upto a height of 5 mtr. for reinforced				,					00.1202
concrete	Conc	rete in superstructure complete including steel									
form	form	formwork, scaffolding etc. As per drawing and technical									• •
spec 1500	spec 1500	Specification. Design mix concrete. [MoRTH Specification: 1500. & 1700]. RCC/PSC M-35 grade Using Batching Plant				-					
Solid	Solid	Solid slab superstructure				,					
Slab	Slab		2 x x 7	10.80	8.55 0.525	0.900	581.74				
16.2 Provi	Provi in su Spec	Providing and laying HYSD bar reinforcement at any level in superstructure complete as per drawing and technical Specification. [MoRTH Specification: Section 1600]					617.46	E S	5231.00	Per Cum	3229933.00
				617.46	7850.00	1.20%	58.16	M	53897.00	Per `MT	3134650.00
16.15 Provi	Provie	Providing and Laying PCC M-15 grade leveling course									
below	pelow	below approach slab complete as per drawing and	,								
techni	echni	technical specifications. [MoRTH specification : 2700] Annmach Slah	×	05.2	00			į	000		2000
Ap	7	Approach Slab	2 × 1	7.50	3.00	0.10	4.50	Cum	2681.00	Per Cum	12065.00

No.	BSR Item No.	Description of Item	No.	Length (m)	(m)	Height	Quantity	≥	Rate	Chil	Amount
	16.16 R	Reinforced cement concrete M-30 grade approach slab including reinforcement and formwork complete as per drawing and technical specifications. [MoRTH specification	,								CP.
		: 1500, 1600, 1700, 2704] Approach Slab	2 × 1	7.50	 3.00	0:30	13.50	Cum	7149.00	Per Cum	96512.00
	16.4	Reinforced cement concrete wearing coat M-30 grade at									
		any level including formwork and reinforcement complete				-					
		as per drawing and technical Specification. [MoRTH								i	
		Specification: Clause 2204, 1500 & 1700].								+	
			2 × ×	10.80	7.50	0.075	0.45	Cum			
						-	42.98	Cum	7949.00	Per Cum	341648.00
	16:10:02	Providing, laying and fixing of Filler Joint Providing and fixing 20mm thick Compressible Fibre Board in expansion joint complete as per drawing and technical specification in MoRTH specification: clause 2605.									
			8 7 × ×	8.55 7.55	0.90		61.56 13.59 75.15	E BS E BS	1149.00	Per Sqm	86347.00
	16.14	Drainage spout with GI pipe 100mm dia and GI bolt 10mm dia with galvanized MS flat clamp complete as per drawing and Technical Specification					4				
		•	7 × 4	1.00		_	28.00	Nos	1559.00	Each	43652.00
	16.10.1	Providing and fixing 2mm thick Corrugated Copper Plate in expansion joint complete as per drawing and technical specifications in MoRTH specification; clause 2605.	h 77 (1)	1.		, - 					
			× × ×	2 8.55 6 8.55 2 7.55			17.10 51.30 15.10	R R E			
							83.50	Rm	4683.00	Per Rm	391448.00

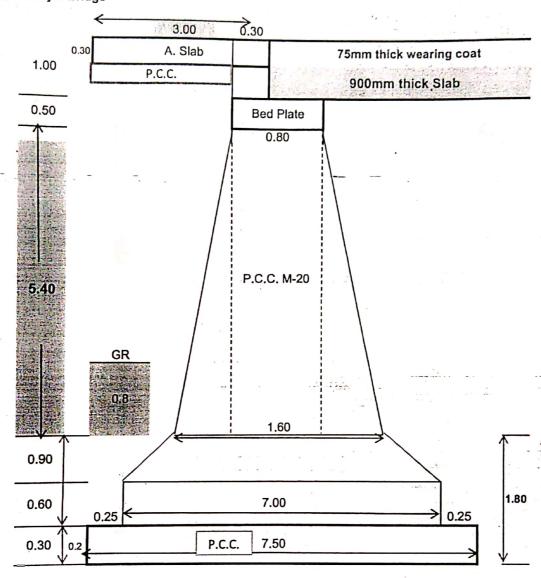
BSR Item		The set the sec	2	Length	Width	*4ci01	, diferent	-	3	1	
Description o	o uondi		NO.	(m)	(m)	neign	TIPON I		кате	Our	Amount
16.10.3 Providing and fixing in position 20mm Premoulded Joint Filler in expansion joint for ends of simply supported spans not exceeding	and ed Joi simply	20mm thick joint for fixed xceeding 10m				_					
sealant complete as specification in MoRTH	sealant complete as specification in MoRTH	per drawing specification :									
			1 × 2	8.55			17.10	Rm			
			× × ×	8.55		 	51.30	Rm			
				66.7			83.50		251.00	Per Rm	20959.00
16.10.4 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.	Providing and filling joint sealing compodrawings and technical specification with and 6% bitumen by weight as per MoRTH clause 2605.	und as per coarse sand specification				· ·	•				
	7		1 × 2	8.55			17.10	R			
			7 X X X P Q	8.55 7.55			51.30 15.10	Rm			
						. •	83.50	R _m	15.75	Per RM/ CM depth	. 1315.00
16.7.: 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	Providing and laying reinforced cement concri 30 design mix railing complete as per dra technical Specification. [MoRTH Specificati 1500, 1600 & 1700]. Precast RCC railing	ete grade Mawing and on : 2703,									
		-	1 ×	7.00	10.80		151 20	Mtr	• .	¥	
			1 × 2	0.40			0.80	Mtr			
							152.00		1242.00	Per Mtr	188784.00
				TOTAL							7547313 00
						, T	Total "A"		(11)+(11)+(11)	+(111)	22333433.00

 $\propto / \frac{1}{2} \sigma / S$ **Executive Engineer,** P.W.D. Div, Begun

Assistant Engineer, P.W.D. Sub Div, Begun

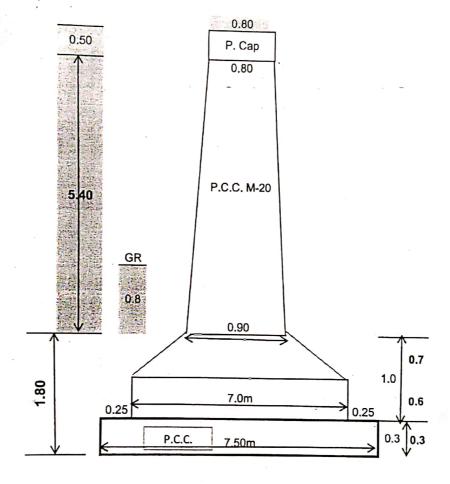
Rehabilitation of various roads at Muncipal Area Begun (Begun Chech Samron Ka Lewa Road)

7x10m Span Major Bridge



SECTION OF ABUTMENT

सहायक अभियन्ता सा. नि. वि. उपखण्ड III, बेगू



SECTION OF PIER

