प्रदेश सिर्ध्य

लोक निर्माण विभाग

प्रारम्भिक - आगणन

जनपद

:- मीरजापुर।

ब्लाक

:- हलिया

वृत्त

:- मीरजापुर वृत्त, लो०नि०वि०, मीरजापुर।

खण्ड

:- प्रान्तीय खण्ड, लो०नि०वि०,मीरजापुर।

कार्य का नाम

:- भटवारी से मतवार सम्पर्क मार्ग के नवनिर्माण का कार्य।

प्रस्तावित लम्बाई

:- 7.090 किमी0

प्रस्तावित धनराशि

:- **र** र 0

512.62 लाख

प्रति किमी0 लागत

:- ক্0

72.30

लाख

वित्तीय वर्ष

:- 2021-22

mithillish kyman

अधिशासी अमियन्ता प्रा0 खण्ड, लो० नि० वि० मीरजायुर

कार्य का नाम :- भटवारी से मतवार सम्पर्क मार्ग के नवनिर्माण का कार्य।

कार्य का विवरण :— उपरोक्त कार्य का प्रारम्भिक आगणन मा० विधायक श्री राहुल प्रकाश जी, छानबे, भीरजापुर का पत्रांक—2135/2021 दिनांक 29.09.2021 के अनुपालन में गठित किया गया है। (छायाप्रति संलग्न) है।

कार्य की उपयोगिता:—उल्लिखित मार्ग जनपद गीरजापुर के ब्लाक हिलया व विधान समा छानबे के अन्तर्गत आता है। यह मार्ग भटवारी से मतवार को जाता है। जनप्रतिनिधियों एवं ग्रामवासियों की माँग पर मार्ग के निर्माण कार्य का माँग किया गया है। जिसमें वन भूमि के अन्तर्गत पड़ने वाली लम्बाई 6.130 किमी0 एवं गैर वन भूमि के अन्तर्गत पड़ने वाले मार्ग की लम्बाई 0.960 किमी0 है तथा कुल लम्बाई 7.090 किमी0 है। इस मार्ग के निर्माण कार्य हो जाने से लगभग 10 ग्रामसभा के ग्रामवासियों को आवागमन में सुविधा होगी एवं क्षेत्र का चहुमुखी विकास होगा।

वन भूमि में पड़ने वाले मार्ग की लम्बाई 6.130 किमी0 एवं लागत रू0 443.21 लाख है। गैर वन भूमि के अन्तर्गत पड़ने वाले मार्ग की लम्बाई 0.960 किमी0 जिसकी लागत रू0 69.00 लाख है।

इस आगणन में निम्नलिखित प्राविधान किये गये है।

- 1. मार्ग पर तटबंध में मिट्टी का कार्य।
- 2. मार्ग पर जी०एस०बी० का कार्य।
- 3. मार्ग पर जी0-2 का कार्य।
- 4. मार्ग पर जी0-3 का कार्य।
- मार्ग पर ब्रिकएजिंग का कार्य।
- 6. मार्ग पर प्राइम कोट का कार्य।
- 7. मार्ग पर टैक कोट का कार्य।
- मार्ग पर पी०सी० सिलकोट का कार्य।
- 9. मार्ग पर आर०सी०सी० पुलिया का निर्माण कार्य।
- 10. मार्ग पर आवश्यकतानुसार ह्यूम पाइप पुलिया निर्माण कार्य।
- 11. मार्ग पर पटरी निर्माण कार्य।
- 12. मार्ग पर अन्य विविध कार्य।

इस प्रकार उपरोक्त मार्ग की प्रस्तावित लम्बाई 7.090 किमी0 एवं लागत 512.62 लाख का गठित कर प्रशासकीय एवं वित्तीय स्वीकृति हेतु प्रेषित है।

> सहायके अभियन्ता प्रा0 खण्ड,लो०नि०वि० भीरजापुर

अधिशासी अभियन्ता प्रा० खण्ड,लो०नि०वि० मीरजापुर

अधिशासी अमियन्ता प्रा० खण्ड, लो० नि० वि० मीरजापुर

mithilish kymar

Details of Measurement कार्य का नाम –भटवारी से मतवार सम्पर्क मार्ग के नवनिर्माण का कार्य।

1	Particular	No.	L	В	H/D	Qt	<u> </u>
1	2	3	4	5	6		
	Earth work in embankment in moorum mixed black cotton soil. Excavation to be in the form of regular pits not exceeding 0.5 m in depth and earth work in embankment to be in 20 cm layers including ramming & dressing the surface to raquired level and slope and also i.e.1.5m lift and 30m lead.	Ixl	7090.00	(7.50+9.50)/2	0 500	30132 50	Cum Cum
	Deduction of Existing	Ixl	2500.00	(240+290)/2	0.200	1325 00 28807,50	Cum.
_					Total	28807,50	Cunn
2	Construction of granular sub-base by providing well graded 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 sheel roller to achive the desired density, complete as per Technical Specification Clause 401	lxl	7090.00	4 050	0.125	3589 31	Cum
3	Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 kN in stages to proper grade and camber, applying and brooming, stone screening binding materials to fill-up the interstices of coarse aggregate, watering and compacting to the required density grading 2 as per Technical Specification Clause 405.	lxl	7090.00	3.750	0.075	1994 06	Cum
4	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	lxl	7090.00	3.750	0 075	1994 06	Cum
5	Bnck edging on both side of roads of straight over burn brick class 275[8.00cm(3")wide & 12 cm (4.50")] deep laid with mud mortor icluding labour & supply of bricks finished to requared templete and in proper alignment and also including dressing & ramming the exacavated earth as directed by the E/I	lxl	7090.00			7.09	Km
6						26587.50	F
		IxI	7090.00	3.750		20387.30	Sqm
	Providing and applying tack coat with Bitumen VG-10) using Bitumen distributor at the rate of 0.30kg per sqm on the prepared bituminous surface cleaned with Hydraulic broom as per Technical Specification Clause 503.	lxl	7090.00	3.750	12	26587.50	Sqm
	Providing, laying and rolling of open-graded premix carpet of 20 mm thickness composed of 13.2 mm to 5.6 mm aggregates either using penetration grade bitumen or emulsion to required line, grade and level to serve as wearing course on a previously prepared base, including mixing in a suitable plant, laying and rolling with a three wheel 80-100 kN static roller capacity, finished to required level and grades to be followed by seal coat of Type C as per Technical Specification Clause 508.	1x1	7090.00	3.750		26587 50	Sqm.
9	Providing and laying seal coat sealing the voids in a bituminous surface laid to the specified levels, grade and cross fall using Type C as per Technical Specification Clause 510	lxl	7090.00	3.750		26587.50	Sqm
10	Earth work in patries both one side of road. Excavation to be in inordinary black with moorum soil form of regular pits not exceeding 0.50 m in depth and earth work in embankment in 20 cm layers including ramming and dressing the surface to required lavels and slopes and also including 1.5 m lift and 30 m lead including all labour. T&P		7090.00	(1.875+2.425)/2	0.275	8383.93	Cum
-	etc complete as per direction of Engineer-in-charge	1x7	7070.00	(1.013-2.427)		7.00	Nos
2	Construction of 4m span puliva Construction of 350 mm size NP-3 hume pipe culvert including cost of all material, labour, T & P etc. for proper completion of the work	1x18	82			18.00	Nos
7	Construction of 600 mm size NP-3 hume pipe culvert including cost of all material,	1	-				
	labour, T & P etc. for proper completion of the work. Construction of 1000 mm size NP-3 hume pipe culvert including cost of all material,	1x10		-		12.00	Nos
4	labour, T & P etc. for proper completion of the work.	1x10	14			10.00	Nos.
	THE PARTY OF THE P	-				77500	7 10-55

Junior Engineer P.D.P.W.D Mirzapur

Assishant Engineer P.D.P.W.D Mirzapur

अधिशासी अमियन्ता प्रा० खण्ड, लो० नि० वि० मीरजापुर

mithilish kymar

कार्य का नाम -भटवारी से मतवार सम्पर्क मार्ग के नवनिर्माण का कार्य।

क०सं०	कार्य का विवरण	लागत (रू० लाख में)
1	2	1
	लो०नि०वि० अंश	
	कार्य की वास्तविक लागत	418.47
		50.22
	GST=12% योग-	468.68
	कन्दीजेन्सी 1%	4.69
	अधिष्ठान व्यय 6.875%	32.22
	The state of the s	7.03
	मृत्य हास निधि 1.50%	512.62
	लो०नि०वि० की कुल लागत Say Rs.in Lacs	512.62

अवर समियन्ता प्रान्तीय सम्ब,त्तेवनिवर्विव मीरजापुर सहायक अभियन्ता प्रान्तीय खण्ड, लोठनिठदिठ भीरजापुर

अधिशासी अभियन्ता प्रानीय खण्ड, लोठनिठविठ मीरजापुर

mithillsh kymar

अधिशासी अमियन्ता प्रा० खण्ड, लो० नि० वि० मीरजापुर

प्रदेश स्राप्त

लोक निर्माण विभाग

प्रारम्भिक - आगणन

जनपद

मीरजापुर।

• ब्लाक

हलिया

वृत्त

मीरजापुर वृत्त, लो०नि०वि०, मीरजापुर।

खण्ड

:- प्रान्तीय खण्ड, लो०नि०वि०,मीरजापुर।

कार्य का नाम

:- फुलियारी सम्पर्क मार्ग के नवनिर्माण का कार्य।

प्रस्तावित लम्बाई :- 0.900

किमी0

प्रस्तावित धनराशि

79.85

लाख

प्रति किमी0 लागत

:- ক্0

88.72

लाख

वित्तीय वर्ष

:- 2021-22

mithillsh kymar

अधिशासी अमियन्ता प्राठ खण्ड, लोठ निठ विठ मीरजापुर

कार्य का नाम :- फुलियारी सम्पर्क मार्ग के नवनिर्माण का कार्य।

कार्य का विवरण :— उपरोक्त कार्य का प्रारम्भिक आगणन मा० विधायक श्री राहुल प्रकाश जी, छानबे, भीरजापुर का पत्रांक-2135/2021 दिनांक 29.09.2021 के अनुपालन में गठित किया गया है। (छायाप्रति संलग्न) है।

कार्य की उपयोगिता:—उल्लिखित मार्ग जनपद मीरजापुर के ब्लाक हिलया व विधान समा छानवे के अन्तर्गत आता है। यह मार्ग देवरी वाजार से फुलियारी को जाता है। जनप्रतिनिधियों एवं ग्रामवासियों की मॉग पर मार्ग के निर्माण कार्य का मॉग किया गया है। जिसमें वन भूमि के अन्तर्गत पड़ने वाली लम्बाई 0.900 किमी0 है। इस मार्ग के निर्माण कार्य हो जाने से लगभग 03 ग्रामसभा के ग्रामवासियों को आवागमन में सुविधा होगी एवं क्षेत्र का चहुमुखी विकास होगा।

वन भूमि में पड़ने वाले मार्ग की लम्बाई 0.900 किमी0 एवं लागत रू0 79.85 लाख है। गैर वन भूमि के अन्तर्गत पड़ने वाले मार्ग की लम्बाई शून्य एवं लागत शून्य है।

इस आगणन में निम्नलिखित प्राविधान किये गये है।

- 1. मार्ग पर तटबंध में मिट्टी का कार्य।
- मार्ग पर जी०एस०बी० का कार्य।
- 3. मार्ग पर जी0-2 का कार्य।
- 4. मार्ग पर जी0-3 का कार्य।
- मार्ग पर ब्रिकएजिंग का कार्य।
- 6. मार्ग पर प्राइम कोट का कार्य।
- 7. मार्ग पर टैक कोट का कार्य।
- 8. मार्ग पर पी०सी० सिलकोट का कार्य।
- 9. मार्ग पर आर0सी0सी0 पुलिया का निर्माण कार्य।
- 10. मार्ग पर आवश्यकतानुसार ह्यूम पाइप पुलिया निर्माण कार्य।
- 11. मार्ग पर पटरी निर्माण कार्य।
- 12. मार्ग पर अन्य विविध कार्य।

इस प्रकार उपरोक्त मार्ग की प्रस्तावित **लम्बाई 0.900 किमी0 एवं लागत 79.85 लाख** का गठित कर प्रशासकीय एवं वित्तीय स्वीकृति हेतु प्रेषित है।

सहायक अभियन्ता प्राo खण्ड,लो०नि०वि० अमीरजापुर अधिशासी अभियन्ता प्रा० खण्ड,लो०नि०वि० मीरजापुर

अधिशासी अभियन्ता प्राठ खण्ड, लोठ निठ विठ मीरजापुर

mithillsh kymar

<u>Details of Measurement</u> कार्य का नाम —फुलियारी सम्पर्क मार्ग के नवनिर्माण का कार्य।

1	Particular	No	. L	В	H/D		06.
	Earth work in embankment in macross and the last	3	4	5	6	1	Qty.
	Earth work in embankment in moorum mixed/black cotton soil. Excavation to be in the form of regular pits not exceeding 0.5 m in depth and earth work in embankment to be in 20 cm layers including ramming & dressing the surface to raquired level and slope and also i/c 1.5m lift and 30m lead	lxi	900.0	0 (7.50+9.50)/2		3825.00	Cu
	Deduction of Existing	Ixl	350.0	0 (2.40+2.90)/2		185.50	Cur
2	Construction of granular sub-base by providing will				Total	3639.50	Cur
3	Construction of granular sub-base by providing well graded 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 sheel roller to achive the desired density, complete as per Technical Specification Clause 401.					200720	Cui
•	Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 kN in stages to proper grade and camber, applying and brooming, stone screening/binding materials to fill-up the interstices of coarse aggregate, watering and compacting to the required density grading 2 as per Technical Specification Clause 405.	lxI	900.00	4 050	0.125	455.63	Cum
4	Providing laying spreading and compassion at	1x1	900.00	3.750	0.075	253.13	C
5	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.	lxl	900 00				Cum
	Brick edging on both side of roads of straight over burn brick class 275[8.00cm(3")wide & 12 cm (4.50")] deep laid with mud mortor icluding labour & supply of bricks finished to requared templete and in proper alignment and also including dressing & ramming the exacavated earth as directed by the E/I	121	70000	3,730	0.075	253 13	Cum
6	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 kg/sqm using meckanical means as per Technical Specification Clause 502	_lxl	900.00	· ·		0.90	Km
7	Providing and applying tack coat with Bitumen VG-10) using Bitumen distributor at the rate of 0.30kg per sam on the prepared bituming the property of the providing the providing the providing tack to the providing tack t	lxI	900.00	3.750		3375.00	Sqm
8		lxl	900.00	3.750		2225.00	100000
	Providing, laying and rolling of open-graded premix carpet of 20 mm thickness composed of 13.2 mm to 5.6 mm aggregates either using penetration grade bitumen or emulsion to required line, grade and level to serve as wearing course on a previously prepared base, including mixing in a suitable plant, laying and rolling with a three wheel 80-100 kN static roller capacity, finished to required level and grades to be followed by seal coat of Type C as per Technical Specification Clause 508.	20000			•	3375.00	Sqm
		Last 1	000.00				
9	Providing and laying seal coat sealing the voids in a bituminous surface laid to the specified levels, grade and cross fall using Type C as per Technical Specification	1x1	900.00	3.750		3375.00	Sqm.
9	Providing and laying seal coat sealing the voids in a bituminous surface laid to the specified levels, grade and cross fall using Type C as per Technical Specification Clause 510	lxl lxl	900.00	8500			100 May 100
9	Providing and laying seal coat sealing the voids in a bituminous surface laid to the specified levels, grade and cross fall using Type C as per Technical Specification Clause 510 Earth work in patries both one side of road. Excavation to be in inordinary black with moorum soil form of regular pits not exceeding 0.50 m in depth and earth work in embankment in 20 cm layers including ramming and dressing the surface to required layels and slopes and also including 1.5 m lift and 30 m lead including all labour. T&P etc complete as per direction of Engineers in charge.	lxl	900.00	3.750		3375.00	Sqm.
9	Providing and laying seal coat sealing the voids in a bituminous surface laid to the specified levels, grade and cross fall using Type C as per Technical Specification Clause 510 Earth work in patries both one side of road. Excavation to be in inordinary black with moorum soil form of regular pits not exceeding 0.50 m in depth and earth work in embankment in 20 cm layers including ramming and dressing the surface to required lavels and slopes and also including 1.5 m lift and 30 m lead including all labour. T&P etc complete as per direction of Engineer-in-charge Construction of 4m Span Pulica.	1x1		8500	0.275	3375 00	Sqm.
9	Providing and laying seal coat sealing the voids in a bituminous surface laid to the specified levels, grade and cross fall using Type C as per Technical Specification Clause 510 Earth work in patries both one side of road. Excavation to be in inordinary black with moorum soil form of regular pits not exceeding 0.50 m in depth and earth work in embankment in 20 cm layers including ramming and dressing the surface to required lavels and slopes and also including 1.5 m lift and 30 m lead including all labour. T&P etc complete as per direction of Engineer-in-charge Construction of 4m Span Pulica.	lxl	900.00	3.750	0.275	3375 00	Sqm.
9 110 2 1	Providing and laying seal coat sealing the voids in a bituminous surface laid to the specified levels, grade and cross fall using Type C as per Technical Specification Clause 510 Earth work in patries both one side of road. Excavation to be in inordinary black with moorum soil form of regular pits not exceeding 0.50 m in depth and earth work in embankment in 20 cm layers including ramming and dressing the surface to required lavels and slopes and also including 1.5 m lift and 30 m lead including all labour. T&P etc complete as per direction of Engineer-in-charge Construction of 4m Span Puliva Construction of 4m Span Puliva Construction of 350 mm size NP-3 hume pipe culvert including cost of all material, labour, T&P etc. for proper completion of the work. Construction of 600 mm size NP-3 hume pipe culvert including cost of all material.	1x1	900.00	3.750		3375 00	Sqm. Cum. Nos.
9 110 12 14 14 14	Providing and laying seal coat sealing the voids in a bituminous surface laid to the specified levels, grade and cross fall using Type C as per Technical Specification Clause 510 Earth work in patries both one side of road. Excavation to be in inordinary black with moorum soil form of regular pits not exceeding 0.50 m in depth and earth work in embankment in 20 cm layers including ramming and dressing the surface to required lavels and slopes and also including 1.5 m lift and 30 m lead including all labour. T&P etc complete as per direction of Engineer-in-charge Construction of 4m Span Puliva Construction of 4m Span Puliva Construction of 500 mm size NP-3 hume pipe culvert including cost of all material, labour, T&P etc. for proper completion of the work. Construction of 600 mm size NP-3 hume pipe culvert including cost of all material, labour, T&P etc. for proper completion of the work.	1x1 1x2 1x2	900.00	3.750		3375 00 1064 25 2.00	Sqm.
9 110 2 13 14 14 1	Providing and laying seal coat sealing the voids in a bituminous surface laid to the specified levels, grade and cross fall using Type C as per Technical Specification Clause 510 Earth work in patries both one side of road. Excavation to be in inordinary black with moorum soil form of regular pits not exceeding 0.50 m in depth and earth work in embankment in 20 cm layers including ramming and dressing the surface to required lavels and slopes and also including 1.5 m lift and 30 m lead including all labour. T&P etc complete as per direction of Engineer-in-charge Construction of 4m Span Puliva Construction of 350 mm size NP-3 hume pipe culvert including cost of all material, labour, T & P etc. for proper completion of the work. Construction of 1000 mm size NP-3 hume pipe culvert including cost of all material, labour, T & P etc. for proper completion of the work. Construction of 1000 mm size NP-3 hume pipe culvert including cost of all material, labour, T & P etc. for proper completion of the work.	1x1 1x2 1x2 1x3	900.00	3.750		3375 00 1064 25 2 00 3 00	Sqm. Curn. Nos.

Junior Engineer P.D.P.W.D Mirzapur

mithillish kyman

Assistant Engineer P.D.P.W.D Mirzapur

अधिशासी अमियन्ता प्राठ खण्ड, लोठ निठ विठ मीरजापुर

and का नाम -फुलियारी सम्पर्क मार्ग के नवनिर्माण का कार्य।

SI.	Particular	Oh.	111-11		
-	1	Oty 3	Unit	Rate	Amount
	Earth work in embankment in moorum mixed black cotton soil. Excavation to be in the		4	5	6
			1 1		
			1 1	1	
_	also i c 1.5m lift and 30m lead	3639 50		24/24	NO. STATE OF THE S
-		3039 30	Cum.	80 00	291160.00
2	Contract	_			
Ē	Construction of granular sub-base by providing well graded material, spreading in uniform				
	model grader on prepared curtace mixing he may be		1 1		
	complete as per Technical Specification Clause 401				
3		455 63	Cum	2275 30	1036683 56
	Providing, laying spreading and compacting stone aggregates of specific sizes to water				
	The state of the s		1 1		
	I would wince to the territory to the state of the state		1 1		
	1 The second sec		ΙI		
	The required the second distance of the secon		1 1		
	The state of semestion Clause 405.		L I	5500-86.1	
4	Providing laying spreading and compacting stone aggregates of specific sizes to water	253.13	Cum	2669.50	675717.19
	indication including spreading in uniform their				
	The state of the s		I		
			ΙI		
	watering and compacting to the required density Grading 3 as per Technical Specification Clause 405		ıı		
	Clause 405		l - I		
5	Brick edging on both side of roads of straight over burn brick class 275[8,00cm(3")wide &	253 13	Cum.	2837.90	718343 44
	12 cm (4.50°)] deep laid with mud mortor icluding labour & supply of bricks finished to		1 1		
	required templete and in proper alignment and a labour & supply of bricks finished to		1 1		
	requared templete and in proper alignment and also including dressing & ramming the exacavated earth as directed by the ET		1 1		
	and and card as directed by the E/I	2.22	PRODUCTO	0.000000000	
6	Providing and applying primer coat with bitumen Emulsion(SS-1) on prepared surface of	0.90	Km	74000 00	66600.00
	granular base including cleaning of road surface and spraying primer at the rate of 0.70		1 1		
	kg/sqm using mechanical means as per Technical Specification Clause 502		ΙI		
		3375.00	6.44		1351250min
7	Providing and applying tack coat with Bitumen VG-10) using Bitumen distributor at the	3373.00	Sqm.	36 70	123862 50
	rate of 0.30kg per sqm on the prepared bituminous surface cleaned with Hydraulic broom		1 1		
	as per Technical Specification Clause 503	3375.00	C	20.20	***********
8	Providing, laying and rolling of open-graded premix carpet of 20 mm thickness composed	3373.00	Sqm	20.30	68512.50
	of 13 2 mm to 5.6 mm aggregates either using penetration grade bitumen or emulsion to		1 1		
	fermined line, and and level to see the using penetration grade oitumen or emulsion to		1 1	3	
	required line, grade and level to serve as wearing course on a previously prepared base,		1 1	1	
	including mixing in a suitable plant, laying and rolling with a three wheel 80-100 kN static		1 1		l l
	roller capacity, finished to required level and grades to be followed by seal coat of Type C		1 1		16
	as per Technical Specification Clause 508.	3375.00	Sqm	188.50	434103.60
9	Providing and laying seal coat sealing the voids in a bituminous surface laid to the	22.12.00	- Squit	166.20	636187 50
	specified levels, grade and cross fall using Type C as per Technical Specification Clause		1 1		
	510	3375 00		70.00	11222222222
10	Earth work in patries both one side of road. Excavation to be in inordinary black with	337300	Sqm	69.00	232875 00
	moorum soil form of regular pits not exceeding 0.50 m in depth and earth work in		1 1		V
	induction son form of regular pits not exceeding 0.50 m in depth and earth work in	D .	1 1		
	embankment in 20 cm layers including ramming and dressing the surface to required lavels			1	
	and slopes and also including 1.5 m lift and 30 m lead including all labour. T&P etc		1 1		
	complete as per direction of Engineer-in-charge	1064 25	Cum	80 00	9611060
11	Construction of 4m Span Puliva	2.00	Nos.	1050430.39	85140 00
12	Construction of 350 mm size NP-3 hume pipe culvert including cost of all material,	2.00	1405	1020430.39	2100860 77
	labour, T & P etc. for proper completion of the work	3.00	Nos	35550 00	106650 00
13	Construction of 600 mm size NP-3 hume pipe culvert including cost of all material.			222000	100030 00
	labour, T & P etc. for proper completion of the work	2.00	Nos	87183 90	174367.80
14	Construction of 1000 mm size NP-3 hume pipe culvert including cost of all material,		1	0.1100.10	174307.80
	labour, T & P etc. for proper completion of the work	1.00	Nos	131997.40	131997.40
15	Supply and fixing of sign board, km, hectometer etc. complete	1.00	Job	10000 00	10000.00
	0	7 -00000		↑ Total	6458957.64
			_	2.0101	0420737.00

Assistant Engineer
P.D.P.W.D
Mirzapur

Executive Engineer P.D.P.W.D

Mirzapur

अधिशासी अमियन्ता प्रा० खण्ड, लो० नि० वि० मीरजापुर

mithilish kymar

कार्य का नाम -फुलियारी सम्पर्क मार्ग के नवनिर्माण का कार्य।

Ф0सіо	कार्य का विवरण	लागत (रू० लाख में)
1	2	3
	लो०नि०वि० अंश	
	कार्य की वास्तविक लागत	64.59
	GST=12%	7.75
	योग—	72.34
	कन्टीजेन्सी 2%	1.45
	अधिष्ठान व्यय 6.875%	4.97
	मूल्य हास निधि 1.50%	1.09
	लो०नि०वि० की कुल लागत	79.85
	Say Rs.in Lacs	79.85

अवर अभियन्ता प्रान्तीय खण्ड,लो०नि०वि० मीरजापुर सहायक अलियन्ता प्रान्तीय खण्ड, लोoनिoविo मीरजापुर

अधिशासी अभियन्ता प्रान्तीय खण्ड, लो०नि०वि० मीरजापुर

आधिशासी अमियन्ता प्राठ खण्ड, लोठ निठ विठ मीरजापुर



लोक निर्माण विभाग

प्रारम्भिक - आगणन

जनपद

:- भीरजापुर।

ब्लाक

:- हलिया

वृत्त

:- मीरजापुर वृत्त, लो०नि०वि०, मीरजापुर।

खण्ड

:- प्रान्तीय खण्ड, लो०नि०वि०,मीरजापुर।

कार्य का नाम

- मतवरिया से मतवार सम्पर्क मार्ग के नवनिर्माण का

कार्य।

प्रस्तावित लम्बाई

:- 6.300 किमी0

प्रस्तावित धनराशि

:- रू0

408.70 लाख

प्रति किमी0 लागत

:- ক্0

64.87

लाख

वित्तीय वर्ष

:- 2021-22

अधिशासी अभियन्ता प्राठ खण्ड, लोंठ निठ विठ मीरजापुर

Hilligh Kuman

कार्य का नाम :- मतवरिया से मतवार सम्पर्क मार्ग के नवनिर्माण का कार्य।

कार्य का विवरण :- उपरोक्त कार्य का प्रारम्भिक आगणन मा० विधायक श्री राहुल प्रकाश जी, छानबे, भीरजापुर का पत्रांक-2135/2021 दिनांक 29.09.2021 के अनुपालन में गठित किया गया है। (छायाप्रति संलग्न) है।

कार्य की उपयोगिता:—उल्लिखित मार्ग जनपद मीरजापुर के ब्लाक हिलया व विधान सभा छानवे के अन्तर्गत आता है। यह मार्ग मतविरया से मतवार को जाता है। जनप्रतिनिधियों एवं ग्रामवासियों की मॉग पर मार्ग के निर्माण कार्य का मॉग किया गया है। जिसमें वन भूमि के अन्तर्गत पड़ने वाली लम्बाई 6.300 किमी0 है। इस मार्ग के निर्माण कार्य हो जाने से लगभग 08 ग्रामसभा के ग्रामवासियों को आवागमन में सुविधा होगी एवं क्षेत्र का चहुमुखी विकास होगा।

वन भूमि में पड़ने वाले मार्ग की लम्बाई 6.300 किमी0 एवं लागत रू0 408.70 लाख है। गैर वन भूमि के अन्तर्गत पड़ने वाले मार्ग की लम्बाई शुन्य एवं लागत शून्य है।

इस आगणन में निम्नलिखित प्राविधान किये गये है।

- 1. मार्ग पर तटबंध में मिटटी का कार्य।
- 2. मार्ग पर जीoएसoबीo का कार्य।
- 3. मार्ग पर जी0-2 का कार्य।
- 4. मार्ग पर जी0-3 का कार्य।
- मार्ग पर ब्रिकएजिंग का कार्य।
- मार्ग पर प्राइम कोट का कार्य।
- 7. मार्ग पर टैक कोट का कार्य।
- 8. मार्ग पर पी०सी० सिलकोट का कार्य।
- 9. मार्ग पर आर0सी0सी0 पुलिया का निर्माण कार्य।
- 10. मार्ग पर आवश्यकतानुसार ह्यूम पाइप पुलिया निर्माण कार्य।
- 11. मार्ग पर पटरी निर्माण कार्य।
- 12. मार्ग पर अन्य विविध कार्य।

इस प्रकार उपरोक्त मार्ग की प्रस्तावित **लम्बाई 6.300 किमी0 एवं लागत 408.70 लाख** का गठित कर प्रशासकीय एवं वित्तीय स्वीकृति हेतु प्रेषित है।

> सहायके समियन्ता प्राo खण्ड,लो०नि०वि० भीरजापुर

अधिशासी अमियन्ता प्रा० खण्ड,लो०नि०वि० मीरजापुर

अधिशासी अमियन्ता प्रा० खण्ड, लो० नि० वि० मीरजापुर

mithilish kymar

Details of Measurement कार्य का नाम -मतविरया से मतवार सम्पर्क मार्ग के नविनर्माण का कार्य।

SI.	Particular	No.	L	В	H/D	Qt	1.
1	3	3	4	5	5	7	
	Earth work in embankment in moorum mixed black cotton soil. Excavation to be in the form of regular pits not exceeding 0.5 m in depth and earth work in embankment to be in 20 cm layers including ramming & dressing the surface to raquired level and slope and also i/c.1.5m lift and 30m lead. Deduction of Existing	IxI IxI	6300.00	(7.50+9.50)/2 (2.40+2.90)/2	0 500	26775.00 795.00	Cum.
	*	1.1.	130000	(240,270)2	Total	25980.00	Cum.
	Construction of granular sub-base by providing well graded 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 sheel roller to achive the desired density, complete as per Technical Specification Clause 401.	lxl	6300 00	4 050	0 125	3189 38	Cum
3	Providing, laving, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 kN in stages to proper grade and camber, applying and brooming, stone screening binding materials to fill-up the interstices of coarse aggregate, watering and compacting to the required density grading 2 as per Technical Specification Clause 405.	lxl	6300.00	3.750	0.075	1771.88	Cum
4	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			0.0000	55500		200
5	Brick edging on both side of roads of straight over burn brick class 275[8.00cm(3")wide & 12 cm (4.50")] deep laid with mud mortor icluding labour & supply of bricks finished to requared templete and in proper alignment and also including dressing & ramming the exacavated earth as directed by the E/I	lxl	6300.00	3.750	0.075	6.30	Cum
6	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 kg/sqm using mechanical means as per Technical Specification Clause 502	lxl	6300.00	3.750		23625 00	Sqm
7	Providing and applying tack coat with Bitumen VG-10) using Bitumen distributor at the rate of 0.30kg per sqm on the prepared bituminous surface cleaned with Hydraulic broom as per Technical Specification Clause 503.	1x1	6300.00	3.750		23625 00	Sam
8	Providing. Inying and rolling of open-graded premix carpet of 20 mm thickness composed of 13.2 mm to 5.6 mm aggregates either using penetration grade bitumen or emulsion to required line, grade and level to serve as wearing course on a previously prepared base, including mixing in a suitable plant, laying and rolling with a three wheel 80-100 kN static roller capacity, finished to required level and grades to be followed by seal coat of Type C as per Technical Specification Clause 508.	280000					
		1x1	6300.00	3.750		23625.00	Sqm
9	Providing and laying seal cost sealing the voids in a bituminous surface laid to the specified levels, grade and cross fall using Type C as per Technical Specification Clause 510	lxl	6300.00	3.750		23625.00	Sqm.
10	Earth work in patries both one side of road. Excavation to be in inordinary black with moorum soil form of regular pits not exceeding 0.50 m in depth and earth work in embankment in 20 cm layers including ramming and dressing the surface to required lavels and slopes and also including 1.5 m lift and 30 m lead including all labour. T&P etc complete as per direction of Engineer-in-charge	1x2	6300.00	(1.875+2.425)2	0.275	7449.75	Cum
11	Construction of 4m Span Puliya	1x2				2.00	Nos.
	Construction of 350 mm size NP-3 hume pipe culvert including cost of all material, labour, T & P etc. for proper completion of the work.	Ix16				16.00	Nos
MO	Construction of 600 mm size NP-3 hume pipe culvert including cost of all material,	1x12		20		12 00	Nos
4	Construction of 1000 mm size NP-3 hume pipe culvert including cost of all material, labour, T & P etc. for proper completion of the work.	1x8		•		8.00	Nos.
5	Supply and fixing of sign board, km, hectometer etc. complete	Ixl			D.	1.00	Job

Junior Engineer P.D.P.W.D Mirzapur

mithillish kymar

Assistant Engineer P.D.P.W.D Mirzapur

अधिशासी अमियन्ता प्राठ खण्ड, लोठ निठ विठ मीरजापुर

कार्य का नाम -मतवरिया से मतवार सम्पर्क मार्ग के नवनिर्माण का कार्य।

SI	Particular	Qty	Unit	Rate	Amount
1	Fort	3	4	5	- 6
	Faith work in embankment in mootium mixed black cotton soil. Excavation to be in the form of regular pits not exceeding 0.5 m in depth and earth work in embankment to be in 20 cm layers including ramming & dressing the surface to raquired level and slope and also i.e. 1.5m lift and 30m lead.	25980.00	Cum	80 00	2078400 00
:	Construction of appendix as by the				
	Construction of granular sub-base by providing well graded 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 sheel roller to achive the desired density, complete as per Technical Specification Clause 401.	3189 38	Cum	2402.00	7660878 75
3	Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 kN in stages to proper grade and camber, applying and brooming, stone screening binding materials to fill-up the interstices of coarse aggregate, watering and compacting to the required density grading 2 as per Technical Specification Clause 405.	1771.88	Cum	2815 70	4989068 44
4	Providing, laying, spreading and compacting stone aggregates of specific sizes to water	1771.00	Cum	2013.70	4787908.44
	bound mocadam 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 408	1771.88	Cum	2981.40	5282668 13
5	Brick edging on both side of roads of straight over burn brick class 275[8.00cm(3*)wide &				
	12 cm (4.50°)] deep laid with mud mortor icluding labour & supply of bricks finished to requared templete and in proper alignment and also including dressing & ramming the exacavated earth as directed by the E1	6.30	Km	74000.00	466200.00
6	Providing and applying primer coat with bitumen Emulsion(SS-1) on prepared surface of	0.50	Kill	74000.00	400200.00
	granular base including cleaning of road surface and spraying primer at the rate of 0.70 kg sqm using mechanical means as per Technical Specification Clause 502	23625.00	Sqm.	36.70	867037.50
7	Providing and applying tack coat with Bitumen VG-10) using Bitumen distributor at the rate of 0.30kg per sqm on the prepared bituminous surface cleaned with Hydraulic broom as per Technical Specification Clause 503.	23625.00	Sqm.	20.30	479587.50
8	Providing, laying and rolling of open-graded premix carpet of 20 mm thickness composed				
	of 13.2 mm to 5.6 mm aggregates either using penetration grade bitumen or emulsion to				
	required line, grade and level to serve as wearing course on a previously prepared base,				1
	including mixing in a suitable plant, laying and rolling with a three wheel 80-100 kN static				
	roller capacity, finished to required level and grades to be followed by seal coat of Type C		12000		
9	as per Technical Specification Clause 508. Providing and laying seal coat sealing the voids in a bituminous surface laid to the	23625.00	Sqm.	191.00	4512375.00
1	specified levels, grade and cross fall using Type C as per Technical Specification Clause				
	510	23625.00	Sqm.	69.80	1649025.00
10	Earth work in patries both one side of road. Excavation to be in inordinary black with				
	moorum soil form of regular pits not exceeding 0.50 m in depth and earth work in				
	embankment in 20 cm layers including ramming and dressing the surface to required lavels and slopes and also including 1.5 m lift and 30 m lead including all labour. T&P etc				
		7449.75	Cum.	80.00	595980 00
11	complete as per direction of Engineer-in-charge Construction of 4m Span Puliya	7449.73	C din.	60,00	393980.00
••	Survivors and a management of the survivors of the surviv	2.00	Nos.	1050430.39	2100860.77
12	Construction of 350 mm size NP-3 hume pipe culvert including cost of all material, labour, T & P etc. for proper completion of the work.	16.00	Nos	35550.00	568800.00
13	Construction of 600 mm size NP-3 hume pipe culvert including cost of all material,	12.00	Nos.	87183.90	
11	labour, T & P etc. for proper completion of the work. Construction of 1000 mm size. NP-3 hume pipe culvert including cost of all material,	12.00	tvos.	8/183.90	1046206.80
14	Labour, T & P etc. for proper completion of the work.	8 00	Nos.	131997.40	1055979.20
15	Supply and fixing of sign board, km, hectometer etc. complete	1.00	Job	10000 00	10000.00
	D			Say	33363067.09

Engineer Q.W.H.Q.9/

Executive Engineer P.D.P.W.D Mirzapur

अधिशासी अमियन्ता प्रा० खण्ड, लो० नि० वि० मीरजापुर

Mithillish Kymar

कार्य का नाम -मतविरया से मतवार सम्पर्क मार्ग के नविनर्माण का कार्य।

क0सं0	कार्य का विवरण	लागत (रू० लाख में
1	2	3
	लो०नि०वि० अंश	
	कार्य की वास्तविक लागत	333.63
	GST=12%	40.04
	योग	373.67
	कन्टीजेन्सी 1%	3.74
	अधिष्ठान व्यय 6.875%	25.69
	मूल्य हास निधि 1.50%	5.60
14	लो०नि०वि० की कुल लागत	408.70
Į.	Say Rs.in Lacs	408.70

अवर अभियन्ता प्रान्तीय खण्ड,लो०नि०यि० गीरजापुर राहायके अभियन्ता प्रान्तीय खण्ड, लो०नि०वि० मीरजापुर

अधिशासी अभियन्ता प्रान्तीय खण्ड, लोठनिठविठ मीरजापुर

अधिशासी अमियन्ता प्राठ खण्ड, लोठ निठ विठ मीरजापुर



लोक निर्माण विभाग

प्रारम्भिक - आगणन

जनपद

:- मीरजापुर।

ब्लाक

:- हलिया

वृत्त

:- मीरजापुर वृत्त, लो०नि०वि०, मीरजापुर।

खण्ड

:- प्रान्तीय खण्ड, लो०नि०वि०,मीरजापुर।

कार्य का नाम

बडोई से परिसया वाया औरा सम्पर्क मार्ग के नविनर्माण

का कार्य।

प्रस्तावित लम्बाई

प्रस्तावित धनराशि

:- ক0

360.07 लाख

प्रति किमी0 लागत

:- ₹50

65.47

लाख

वित्तीय वर्ष

:- 2021-22

mithilish kymar

अधिशासी अमियन्ता प्रा0 खण्ड, लो० नि० वि० मीरजापुर

कार्य का नाम :— बडोई से परिसया वाया औरा सम्पर्क मार्ग के नवनिर्माण का कार्य।

कार्य का विवरण :- उपरोक्त कार्य का प्रारम्भिक आगणन मा० विधायक श्री राहुल प्रकाश जी, छानवे, भीरजापुर का पत्रांक-2135/2021 दिनांक 29.09.2021 के अनुपालन में गठित किया गया है। (छायाप्रति संलग्न) है।

कार्य की उपयोगिता:—उल्लिखित मार्ग जनपद मीरजापुर के ब्लाक हिलया व विधान सभा छानवे के अन्तर्गत आता है। यह मार्ग बडोई से परिसया वाया औरा को जाता है। जनप्रतिनिधियों एवं ग्रामवासियों की मॉग पर मार्ग के निर्माण कार्य का मॉग किया गया है। जिसमें वन भूमि के अन्तर्गत पड़ने वाली लम्बाई 4.000 किमी0 एवं गैर वन भूमि के अन्तर्गत पड़ने वाले मार्ग की लम्बाई 1.500 किमी0 है तथा कुल लम्बाई 5.500 किमी0 है। इस मार्ग के निर्माण कार्य हो जाने से लगभग 08 ग्रामसभा के ग्रामवासियों को आवागमन में सुविधा होगी एवं क्षेत्र का चहमुखी विकास होगा।

वन भूमि में पड़ने वाले मार्ग की लम्बाई 4.000 किमी० एवं लागत रू० 261.86 लाख है। गैर वन भूमि के अन्तर्गत पड़ने वाले मार्ग की लम्बाई 1.500 किमी० जिसकी लागत रू० 98.20 लाख है।

इस आगणन में निम्नलिखित प्राविधान किये गये है।

- मार्ग पर तटबंध में मिट्टी का कार्य।
- 2. मार्ग पर जी०एस०बी० का कार्य।
- 3. मार्ग पर जी0-2 का कार्य।
- 4. मार्ग पर जी0-3 का कार्य।
- मार्ग पर ब्रिकएजिंग का कार्य।
- मार्ग पर प्राइम कोट का कार्य।
- 7. मार्ग पर टैक कोट का कार्य।
- 8. मार्ग पर पी०सी० सिलकोट का कार्य।
- 9. मार्ग पर आर०सी०सी० पुलिया का निर्माण कार्य।
- 10. मार्ग पर आवश्यकतानुसार ह्यूम पाइप पुलिया निर्माण कार्य।
- 11. मार्ग पर पटरी निर्माण कार्य।
- 12. मार्ग पर अन्य विविध कार्य।

इस प्रकार उपरोक्त मार्ग की प्रस्तावित लम्बाई 5.500 किमी0 एवं लागत 360.07 लाख का गठित कर प्रशासकीय एवं वित्तीय स्वीकृति हेतु प्रेषित है।

> सहायक अभियन्ता प्राo खण्ड,लो०नि०वि० भीरजापुर

mithilish kymar

अधिशासी अभियन्ता प्रा० खण्ड,लो०नि०वि० मीरजापुर

अधिशासी अमियन्ता प्रा० खण्ड, लो० नि० वि० मीरजापुर

Details of Measurement कार्य का नाम –बडोई से परसिया वाया औरा सम्पर्क मार्ग के नवनिर्माण का कार्य।

SI.	Particular	No.	L	В	H/D	Qty	1.
1	Earth work in embankment in moseum mixed black cotton soil. Excavation to be in the form of regular pits not exceeding 0.5 m in depth and earth work in embankment to be	3	4	5	6	7	
	in 20 cm layers including ramming & dressing the surface to raquired level and slope and also i.c.1.5m lift and 30m lead	Ixl	5500.00	(7.50+9.50)/2	0.500	23375 00	Cum
	Deduction of Existing	Ixl	1800 00	(2.40+2.90)/2	0.200	954.00	Cum
_					Total	22421.00	Cum.
2	Construction of granular sub-base by providing well graded 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 sheel roller to achive the desired density, complete as per Technical Specification Clause 401.	lxl	5500 00	4.050	0.125	2784 38	Cum
3	Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 kN in stages to proper grade and camber, applying and brooming, stone screening binding materials to fill-up the interstices of coarse aggregate, watering and compacting to the required density grading 2 as per Technical Specification Clause 405.	ixi	5500.00	3.750	0.075	1546.88	Cum
	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.	lxl	5500.00	3.750	0.075	1546.88	Cum
5	Brick edging on both side of roads of straight over burn brick class 275[8.00cm(3")wide & 12 cm (4.50")] deep laid with mud mortor icluding labour & supply of bricks finished to requared templete and in proper alignment and also including dressing & ramming the exacavated earth as directed by the E/I	lxl	5500.00			5.50	Кт
6	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 kg sqm using mechanical means as per Technical Specification Clause 502					3.30	Kiii
7	Providing and applying tack coat with Bitumen VG-10) using Bitumen distributor at the rate of 0.30kg per sqm on the prepared bituminous surface cleaned with Hydraulic	txt	5500.00	3.750		20625.00	Sqm.
R	broom as per Technical Specification Clause 503. Providing, laying and rolling of open-graded premix carpet of 20 mm thickness	lxl	5500.00	3.750	20	20625.00	Sqm
	composed of 13.2 mm to 5.6 mm aggregates either using penetration grade bitumen or emulsion to required line, grade and level to serve as wearing course on a previously prepared base, including mixing in a suitable plant, laying and rolling with a three wheel 80-100 kN static roller capacity, finished to required level and grades to be followed by seal coat of Type C as per Technical Specification Clause 508.	lxl	5500.00	3,750		20625 00	Sqm.
9	Providing and laying seal coat sealing the voids in a bituminous surface laid to the specified levels, grade and cross fall using Type C as per Technical Specification Clause 510	-avarao		545545		LOSSINGUA.	Squi.
10	Earth work in patries both one side of road. Excavation to be in inordinary black with	lxl	5500.00	3,750		20625.00	Sqm.
	moorum soil form of regular pits not exceeding 0.50 m in depth and earth work in embankment in 20 cm layers including ramming and dressing the surface to required layers and slopes and also including 1.5 m lift and 30 m lead including all labour. T&P				475-5		
	etc complete as per direction of Engineer-in-charge	1x2	5500.00	(1.875+2.425)/2	0.275	6503.75	Cum.
	Construction of 4m Span Puliva Construction of 350 mm size NP-3 hume pipe culvert including cost of all material,	1x3	· ·		•	3 00	Nos.
	labour, T & P etc. for proper completion of the work.	1x13				13.00	Nos.
	Construction of 600 mm size NP-3 hume pipe culvert including cost of all material, labour, T & P etc. for proper completion of the work.	1x8				8.00	Nos.
14	Construction of 1000 mm size NP-3 hume pipe culvert including cost of all material,	(Cases)			-	7	
1.0	labour, T & P etc. for proper completion of the work	1x6				6.00	Nos.
13	Supply and fixing of sign board, km, hectometer etc. complete	lxl				1.00	Job

Junior Engineer P.D.P.W.D

mithillsh kymar

Assistent Engineer P.D.P.W.D Mirzapur

अधिशासी अमियन्ता प्रा० खण्ड, लो० नि० वि० मीरजापुर

Bill of Quantity कार्य का नाम –बडोई से परसिया वाया औरा सम्पर्क मार्ग के नवनिर्माण का कार्य।

SI	Particular	Qty	Unit	Rate	Amount
1	2	3	4	5	6
1	Earth work in embankment in moosium mixed black cotton soil. Excavation to be in the form of regular pits not exceeding 0.5 m in depth and earth work in embankment to be in 20 cm layers including ramming & dressing the surface to raquired level and slope and also i.e. 1.5m lift and 30m lead.		Cum	80 00	1793680 00
2	Construction of granular sub-base by providing well graded 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 sheel roller to achive the desired density, complete as per Technical Specification Clause 401	2784 38	Cum	2307.00	6423553 13
3	Providing, laving, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 kN in stages to proper grade and camber, applying and brooming, stone screening binding materials to fill-up the interstices of coarse aggregate, watering and compacting to the required density grading 2 as per Technical Specification Clause 405.	1546.88	Cum	2706 00	4185843.75
4	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	1546.88	Cum	2873.80	4445409.38
5	Brick edging on both side of roads of straight over burn brick class 275[8.00cm(3")wide & 12 cm (4.50")] deep laid with mud mortor icluding labour & supply of bricks finished to requared templete and in proper alignment and also including dressing & ramming the exacavated earth as directed by the E/I	5.50	Km	74000.00	407000 00
6	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 kg sqm using mechanical means as per Technical Specification Clause 502	20625.00	Sqm.	36.70	756937.50
7	Providing and applying tack coat with Bitumen VG-10) using Bitumen distributor at the rate of 0.30kg per sqm on the prepared bituminous surface cleaned with Hydraulic broom as per Technical Specification Clause 503.	20625.00	Sqm.	20.30	418687.50
	Providing, laying and rolling of open-graded premix carpet of 20 mm thickness composed of 13.2 mm to 5.6 mm aggregates either using penetration grade bitumen or emulsion to required line, grade and level to serve as wearing course on a previously prepared base, including mixing in a suitable plant, laying and rolling with a three wheel 80-100 kN static roller capacity, finished to required level and grades to be followed by seal coat of Type C as per Technical Specification Clause 508.	20625.00	Sqm.	189.20	3902250.00
9	Providing and laying seal coat sealing the voids in a bituminous surface laid to the specified levels, grade and cross fall using Type C as per Technical Specification Clause 510	20625.00	Sqm.	69.20	1427250.00
	Earth work in patries both one side of road. Excavation to be in inordinary black with moorum soil form of regular pits not exceeding 0.50 m in depth and earth work in embankment in 20 cm layers including ramming and dressing the surface to required lavels and slopes and also including 1.5 m lift and 30 m lead including all labour. T&P etc complete as per direction of Engineer-in-charge	6503.75	Cum.	80.00	520300 00
	Construction of 4m Span Puliya	3.00	Nos.	1050430.39	3151291.16
12	Construction of 350 mm size NP-3 hume pipe culvert including cost of all material, labour, T & P etc. for proper completion of the work.	13.00	Nos.	35550.00	462150.00
	Construction of 600 mm size NP-3 hume pipe culvert including cost of all material, labour, T & P etc. for proper completion of the work.	8.00	Nos.	87183.90	697471.20
			1		
	Construction of 1000 mm size NP-3 hume pipe culvert including cost of all material, labour, T & P etc. for proper completion of the work.	anares.	Nos	131997.40	701084 40
13	Construction of 1000 mm size NP-3 hume pipe culvert including cost of all material,	6.00	Nos. Job	131997.40 10000.00	791984.40 10000.00

अधिशासी अमियन्ता प्रा0 खण्ड, लो० नि० वि० मीरजापुर

Assistant/Engineer P.D.P.W.D Mirzapur

Executive Engineer P.D.P.W.D Mirzapur

कार्य का नाम —बडोई से परिसया वाया औरा सम्पर्क मार्ग के नवनिर्माण का कार्य।

	Say Rs.in Lacs	360.07
	लो०नि०वि० की कुल लागत	360.07
	मूल्य हास निधि 1.50%	4.94
	अधिष्टान व्यय 6.875%	22.63
	कन्टीजेन्सी 1%	3.29
	योग-	329.21
	GST=12%	35.27
	कार्य की वास्तविक लागत	293.94
	लो०नि०वि० अंश	
1	2	3
Фо₹іо	कार्य का विवरण	लागत (रू० लाख में)

अवर अभियन्ता प्रान्तीय खण्ड,लो०नि०वि० मीरजापुर सहायक ॲभियन्ता प्रान्तीय खण्ड, लो०नि०वि० मीरजापुर

अधिशासी अभियन्ता प्रान्तीय खण्ड, लो०नि०वि० मीरजापुर

अधिशासी अभियन्ता प्राठ खण्ड, लोठ निठ विठ मीरजापुर

कार्य का नाम :- मेजा बॉध (ददरी) से नदना वाया मटिहरा सम्पर्क मार्ग के नवनिर्माण का कार्य।

कार्य का विवरण :— उपरोक्त कार्य का प्रारम्भिक आगणन मा० विधायक श्री राहुल प्रकाश जी, छानबे, मीरजापुर का पत्रांक—2135/2021 दिनांक 29.09.2021 के अनुपालन में गठित किया गया है। (छायाप्रति संलग्न) है।

कार्य की उपयोगिता:—उल्लिखित मार्ग जनपद मीरजापुर के ब्लाक हिलया व विधान सभा छानबे के अन्तर्गत आता है। यह मार्ग हिलया से ददरी डैम सम्पर्क मार्ग से निकलकर मिटहरा सगरा तथा नदना ग्राम सभा को जाता है। जनप्रतिनिधियों एवं ग्रामवासियों की मॉग पर मार्ग के निर्माण कार्य का मॉग किया गया है। जिसमें वन भूमि के अन्तर्गत पड़ने वाली लम्बाई 4.100 किमी0 एवं गैर वन भूमि के अन्तर्गत पड़ने वाले मार्ग की लम्बाई 7.900 किमी0 है तथा कुल लम्बाई 12.000 किमी0 है। इस मार्ग के निर्माण कार्य हो जाने से लगभग 16 ग्रामसभा के ग्रामवासियों को आवागमन में सुविधा होगी एवं क्षेत्र का चहमुखी विकास होगा।

वन भूमि में पड़ने वाले मार्ग की लम्बाई 4.100 किमी0 एवं लागत रू0 275.82 लाख है। गैर वन भूमि के अन्तर्गत पड़ने वाले मार्ग की लम्बाई 7.900 किमी0 जिसकी लागत रू0 531.45 लाख है।

इस आगणन में निम्नलिखित प्राविधान किये गये है।

- 1. मार्ग पर तटबंध में मिट्टी का कार्य।
- 2. मार्ग पर जी०एस०बी० का कार्य।
- 3. मार्ग पर जी0-2 का कार्य।
- 4. मार्ग पर जी0-3 का कार्य।
- 5. मार्ग पर ब्रिकएजिंग का कार्य।
- 6. मार्ग पर प्राइम कोट का कार्य।
- 7. मार्ग पर टैक कोट का कार्य।
- मार्ग पर पी०सी० सिलकोट का कार्य।
- 9. मार्ग पर आर०सी०सी० पुलिया का निर्माण कार्य।
- 10. मार्ग पर आवश्यकतानुसार ह्यूम पाइप पुलिया निर्माण कार्य।
- 11. मार्ग पर पटरी निर्माण कार्य।
- 12. मार्ग पर अन्य विविध कार्य।

इस प्रकार उपरोक्त मार्ग की प्रस्तावित लम्बाई 12.000 किमी० एवं लागत 807.27 लाख का गठित कर प्रशासकीय एवं वित्तीय स्वीकृति हेतु प्रेषित है।

> सहायक अभियन्ता प्रा० खण्ड,लो०नि०वि० ो भीरजापुर

अधिशासी अभियन्ता प्रा० खण्ड,लो०नि०वि० मीरजापुर

अधिशासी अभियन्ता प्रा० खण्ड, लो० नि० वि० मीरजापुर

mithillish kyman

Details of Measurement कार्य का नाम —मेजा बॉघ (ददरी) से नदना वाया मटिहरा सगरा सम्पर्क मार्ग के नवनिर्माण का कार्य।

1	Particular	No.	L	В	H/D	1 0	
1	Farth work in embastar as i	_	4	5	6	+ 4	ity.
	Earth work in embankment in moorum mixed/black cotton soil. Excavation to be in the form of regular pits not exceeding 0.5 m in depth and earth work in embankment to be in 20 cm layers including ramming & dressing the surface to raquired level and slope and also i/c 1.5m lift and 30m lead		12000.0	0 (7.50+9.50)2	0.500	£1000.00	
_	Deduction of Existing	lxl	3200.00		0.200	51000.00 1696.00	Cum
2			7200.00	(2.40-2.70)2	Total	49304.00	Cum
	Construction of granular sub-base by providing well graded 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 sheel roller to achive the desired density, complete as per Technical Specification Clause 401.		12000.00				Cun
3	Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 kN in stages to proper grade and camber, applying and brooming, stone screening/binding materials to fill-up the interstices of coarse aggregate, watering and compacting to the required density grading 2 as per Technical Specification Clause 405.		12000.00		0.125	6075.00	Cum
4	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.	2550	12000,00		0.075	3375 00	Cum
	Brick edging on both side of roads of straight over burn brick class 275[8.00cm(3")wide & 12 cm (4.50")] deep laid with mud mortor icluding labour & supply of bricks finished to requared templete and in proper alignment and also including dressing & ramming the exacavated earth as directed by the E/I	lxl	12000 00	3 750	0.075	3375 00	Cum
6	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 kg/sqm using mechanical means as per Technical Specification Clause 502	lxi	12000 00		·		Km
7	Providing and applying tack coat with Bitumen VG-10) using Bitumen distributor at the rate of 0.30kg per sqm on the prepared bituminous surface cleaned with Hydraulic broom as per Technical Specification Clause 503.	lxl	12000.00	3 750		45000.00 45000.00	Sqm.
8	Providing, laying and rolling of open-graded premix carpet of 20 mm thickness composed of 13.2 mm to 5.6 mm aggregates either using penetration grade bitumen or emulsion to required line, grade and level to serve as wearing course on a previously prepared base, including mixing in a suitable plant, laying and rolling with a three wheel 80-100 kN static roller capacity, finished to required level and grades to be followed by seal coat of Type C as per Technical Specification Clause 508	lxl	12000 00	3 750	8	45000 00	Sqm.
9	Providing and laying seal coat sealing the voids in a bituminous surface laid to the specified levels, grade and cross fall using Type C as per Technical Specification Clause \$10	0.000	1				Sqm
10		Ixl	12000.00	3.750	0 275	45000.00	Sqm.
11		1x8				8.00	Nos.
	Construction of 350 mm size NP-3 hume pipe culvert including cost of all material, labour, T & P etc. for proper completion of the work.	1x36				36 00	Nos.
13	Construction of 600 mm size NP-3 hume pipe culvert including cost of all material,	T				20.00	THIS.
14	labour, T & P etc. for proper completion of the work. Construction of 1000 mm size NP-3 hume pipe culvert including cost of all material.	1x24	-			24 00	Nos.
_	labour, T & P etc. for proper completion of the work	1x12		-		12.00	Nos.
15	Supply and fixing of sign board, km, hectometer etc. complete	1x1	4	- 2	14.	1.00	Job

Junior Engineer P.D.P.W.D Mirzapur

mithillish kymar

Assistan Engineer P.D.P.W.D Mirzapur

अधिशासी अमियन्ता प्रा0 खण्ड, लो० नि० वि० मीरजापुर

Bill of Quantity कार्य का नाम —मेजा बॉघ (ददरी) से नदना वाया मटिहरा सगरा सम्पर्क मार्ग के नवनिर्माण का कार्य।

SI.	Particular	Qty	Unit	Rate	Amount
1	2	3	4	5	6
•	Earth work in embankment in moorum mixed black cotton soil. Excavation to be in the form of regular pits not exceeding 0.5 m in depth and earth work in embankment to be in 20 cm layers including ramming & dressing the surface to raquired level and slope and also i.e. 1.5m lift and 30m lead.	49304 00	Cum.	80 00	3944320 00
	Construction of granular sub-base by providing well graded 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 sheel roller to achive the desired density, complete as per Technical Specification Clause 401.	6075 00	Cum	2275 30	13822447 50
3	bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 kN in stages to proper grade and camber, applying and brooming, stone screening binding materials to fill-up the interstices of coarse aggregate, watering and compacting to the required density grading 2 as per Technical Specification Clause 405.	3375.00	Cum.	2669.50	9009562.50
4	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	3375.00	Cum.	2837 90	9577912 50
5	Brick edging on both side of roads of straight over burn brick class 275[8.00cm(3")wide & 12 cm (4.50")] deep laid with mud mortor icluding labour & supply of bricks finished to requared templete and in proper alignment and also including dressing & ramming the exacavated earth as directed by the E/I	12.00	Km	74000.00	888000.00
6	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 kg/sqm using mechanical means as per Technical Specification Clause 502		Sqm.	36.70	1651500.00
7	Providing and applying tack coat with Bitumen VG-10) using Bitumen distributor at the rate of 0.30kg per sam on the prepared bituminous surface cleaned with Hydraulic broom as per Technical Specification Clause 503.	45000.00	Sqm.	20.30	913500.00
8	Providing, laying and rolling of open-graded premix carpet of 20 mm thickness composed of 13.2 mm to 5.6 mm aggregates either using penetration grade bitumen or emulsion to required line, grade and level to serve as wearing course on a previously prepared base, including mixing in a suitable plant, laying and rolling with a three wheel 80-100 kN static roller capacity, finished to required level and grades to be followed by seal coat of Type C	45000.00	Sqm.	188.50	8482500.00
9	Providing and laying seal coat sealing the voids in a bituminous surface faid to the specified levels, grade and cross fall using Type C as per Technical Specification Clause	43000.00	Sqm.	69.00	3105000.00
10	Earth work in patries both one side of road. Excavation to be in inordinary black with moorum soil form of regular pits not exceeding 0.50 m in depth and earth work in embankment in 20 cm layers including famming and dressing the surface to required lavels and slopes and also including 1.5 m lift and 30 m lead including all labour. T&P etc complete as per direction of Engineer-in-charge	14190.00	Cum.	80.00	1135200 00
	16 to story of the Span Puliva	8.00	Nos	1050430.39	8403443.09
12	Construction of 350 mm size NP-3 hume pipe culvert including cost of all material,	36.00	Nos.	35550.00	1279800.00
13	labour, T & P etc for proper completion of the work. Construction of 600 mm size NP-3 hume pipe culvert including cost of all material,		Nos	87183.90	2092413 60
14	labour, T & P etc. for proper completion of the work. Construction of 1000 mm size NP-3 hume pipe culvert including cost of all material,		Nos.	131997.40	1583968.80
	labour, T & P etc. for proper completion of the work	1.00	Job	10000.00	10000 00
15	Supply and fixing of sign board, km, hectometer etc. complete		1	Total	65899567.99
	3			Say	659.00

Assistant Engineer Mirzapur

Executive Engineer P.D.P.W.D Mirzapur

अधिशासी अमियन्ता प्रा० खण्ड, लो० नि० वि० मीरजापुर

mithillish kymar

कार्य का नाम —मेजा बॉघ (ददरी) से नदना वाया मटिहरा सगरा सम्पर्क मार्ग के नवनिर्माण का कार्य।

	Say Rs.in Lacs	807.27
	लो०नि०वि० की कुल लागत	807.27
	मूल्य हास निधि 1.50%	11.07
	अधिष्ठान व्यय 6.875%	50.74
	कन्टीजेन्सी 1%	7.38
	योग-	738.08
	GST=12%	79.08
	कार्य की वास्तविक लागत	659.00
	लो०नि०वि० अंश	
1	2	3
क0सं0	कार्य का विवरण	लागत (रू० लाख में)

अवर अभियन्ता प्रान्तीय खण्ड,लो०नि०वि० मीरजापुर सहायक अभियन्ता प्रान्तीय खण्ड, लो०नि०वि० मीरजापुर

अधिशासी अभियन्ता प्रान्तीय खण्ड, लो०नि०वि० मीरजापुर

वन विभाग से सम्बन्धित मार्गो का सारांश

寿0 सं0	मार्ग का नाम	मार्ग की कुल लम्बाई (किमी0 में)	कुल लागत (स	का साराश वन भूमि में पड़ने वाले मार्ग की लम्बाई (किमी0 में)	वाले मार्ग की	गैर वन भूमि में पड़ने वाले मार्ग की मार्ग की लम्बाई (किमी0 में)	गैर वन भूमि में पड़ने वाले मार्ग की कुल लागत (रू लाख में)
1	भटवारी से मतवार सम्पर्क मार्ग।	7.090	512.620	6.130	443.210	0.960	69.000
2	मतवरिया से मतवार सम्पर्क मार्ग।	6.300	408.700	6.300	408.700	0.000	0.000
3	बडोई से परसिया वाया औरा सम्पर्क मार्ग।	5.500	360.070	4.000	261.860	1.500	98.200
4	फुलियारी सम्पर्क मार्ग।	0.900	79.850	0.900	79.850	0.000	0.000
5	सिलहटा सम्पर्क मार्ग।	1.400	111.200	1.400	111.200	0.000	0.000
6	मेजा बॉध (ददरी) सम्पर्क मार्ग।	12.000	807.270	4.100	275.820	7.900	531.450
7	खरिहट खुर्द से केड़वर सम्पर्क मार्ग।	1.600	95.990	1.600	95.990	0.000	0.000
	कुल योग-	34.790	2375.700	24.430	1676.630	10.360	698.650

अधिशासी अभियन्ता प्रान्तीय खण्ड, लोठनिठविठ, मीरजापुर

आधिशासी अमियन्ता प्राठ खण्ड, लोठ निठ विठ मीरजापुर