

उत्तर प्रदेश सरकार



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 किमी०
प्रस्तावित धनराशि	:- रू० 512.62 लाख
प्रति किमी० लागत	:- रू० 72.30 लाख
वित्तीय वर्ष	:- 2021-22

Mithlesh Kumar

अधिसासी अभियन्ता
प्रा० खण्ड, लो० नि० वि०
मीरजापुर

प्रतिवेदन

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, 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 भीरजापुर के ब्लॉक हलिया व विधान सभा छानवे 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 किमी० एवं गैर वन भूमि के अन्तर्गत पड़ने वाले मार्ग की लम्बाई 0.960 किमी० है तथा कुल लम्बाई 7.090 किमी० है। इस मार्ग के निर्माण कार्य हो जाने से लगभग 10 ग्रामसभा के ग्रामवासियों को आवागमन में सुविधा होगी एवं क्षेत्र का बहुमुखी विकास होगा।


वन भूमि में पड़ने वाले मार्ग की लम्बाई 6.130 किमी० एवं लागत ₹ 443.21 लाख है।

गैर वन भूमि के अन्तर्गत पड़ने वाले मार्ग की लम्बाई 0.960 किमी० जिसकी लागत ₹ 69.00 लाख है।

इस आगणन में निम्नलिखित प्राविधान किये गये हैं।

1. मार्ग पर तटबंध में मिट्टी का कार्य।
2. मार्ग पर जी०एस०बी० का कार्य।
3. मार्ग पर जी०-2 का कार्य।
4. मार्ग पर जी०-3 का कार्य।
5. 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 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 किमी० एवं लागत 512.62 लाख का गठित कर प्रशासकीय एवं वित्तीय स्वीकृति हेतु प्रेषित है।


सहायक अभियन्ता
प्रा० खण्ड, लो० नि० वि०
भीरजापुर


अधिशाली अभियन्ता
प्रा० खण्ड, लो० नि० वि०
भीरजापुर


अधिशाली अभियन्ता
प्रा० खण्ड, लो० नि० वि०
भीरजापुर

Details of Measurement

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

Sl	Particular	No	L	B	H/D	Qty
1	2	3	4	5	6	7
1	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 required level and slope and also 1.5 m lift and 30m lead.	1x1	7090.00	(7.50+9.50)/2	0.500	30132.50 Cum
	Deduction of Existing	1x1	2500.00	(2.40+2.90)/2	0.200	1325.00 Cum
					Total	28807.50 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 wheel roller to achieve the desired density, complete as per Technical Specification Clause 401.	1x1	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.	1x1	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.	1x1	7090.00	3.750	0.075	1994.06 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 mortar including labour & supply of bricks finished to required template and in proper alignment and also including dressing & ramming the excavated earth as directed by the E/I	1x1	7090.00	-	-	7.09 Km
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.	1x1	7090.00	3.750	-	26587.50 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	7090.00	3.750	-	26587.50 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.	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.	1x1	7090.00	3.750	-	26587.50 Sqm
10	Earth work in paties 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 lavel 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	7090.00	(1.875+2.425)/2	0.275	8383.93 Cum
11	Construction of 4m span puliya	1x7	-	-	-	7.00 Nos
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.	1x18	-	-	-	18.00 Nos
13	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.	1x10	-	-	-	12.00 Nos
14	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.	1x10	-	-	-	10.00 Nos
15	Supply and fixing of sign board, km, hectometer etc. complete	1x1	-	-	-	1.00 Job


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


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


 Mithilesh Kumar

अधिशासी अभियन्ता
 प्रा० खण्ड, लो० नि० वि०
 मीरजापुर

लागत का सारांश

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

क्र०सं०	कार्य का विवरण	लागत (रु० लाख में)
1	2	3
	लो०नि०वि० अंश	
	कार्य की वास्तविक लागत	418.47
	GST=12%	50.22
	योग-	468.68
	कन्टीजेन्सी 1%	4.69
	अधिष्ठान व्यय 6.875%	32.22
	मूल्य हास निधि 1.50%	7.03
	लो०नि०वि० की कुल लागत	512.62
	Say Rs.in Lacs	512.62

अवर अभियन्ता
प्रान्तीय खण्ड, लो०नि०वि०
मीरजापुर

सहायक अभियन्ता
प्रान्तीय खण्ड, लो०नि०वि०
मीरजापुर

अभिशासी अभियन्ता
प्रान्तीय खण्ड, लो०नि०वि०
मीरजापुर

mihlesh kumar

अभिशासी अभियन्ता
प्रा० खण्ड, लो० नि० वि०
मीरजापुर

उत्तर प्रदेश सरकार



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 किमी०
प्रस्तावित धनराशि :- रू० 79.85 लाख
प्रति किमी० लागत :- रू० 88.72 लाख
वित्तीय वर्ष :- 2021-22

M. Hitesh Kumar

अधिशाली अभियन्ता
प्रा० खण्ड, लो० नि० वि०
मीरजापुर

प्रतिवेदन

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

कार्य का विवरण :- उपरोक्त कार्य का प्रारम्भिक आगणन मा0 विधायक श्री राहुल प्रकाश जी, छानवे, 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 हलिया व विधान सभा छानवे के अन्तर्गत आता है। यह मार्ग देवरी बाजार से फुलियारी 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 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 हैं।

1. मार्ग पर तटबंध में मिट्टी का कार्य।
2. मार्ग पर जी0एस0बी0 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।
8. मार्ग पर पी0सी0 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
प्रा0 खण्ड, लो0 नि0 वि0
मीरजापुर


अधिशाली अभियन्ता
प्रा0 खण्ड, लो0 नि0 वि0
मीरजापुर


Mithilesh Kumar

अधिशाली अभियन्ता
प्रा0 खण्ड, लो0 नि0 वि0
मीरजापुर

Details of Measurement

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

Sl.	Particular	No.	L	B	H/D	Qty.
1	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 required level and slope and also 1.5 m lift and 30m lead	1x1	900.00	(7.50+9.50)/2	0.500	3825.00 Cum.
	Deduction of Existing	1x1	350.00	(2.40+2.90)/2	0.200	185.50 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 steel roller to achieve the desired density, complete as per Technical Specification Clause 401.				Total	3639.50 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.	1x1	900.00	4.050	0.125	455.63 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.	1x1	900.00	3.750	0.075	253.13 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 mortar including labour & supply of bricks finished to required template and in proper alignment and also including dressing & ramming the excavated earth as directed by the E/I	1x1	900.00	3.750	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 mechanical means as per Technical Specification Clause 502	1x1	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 sqm on the prepared bituminous surface cleaned with Hydraulic broom as per Technical Specification Clause 503	1x1	900.00	3.750	-	3375.00 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.	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	1x1	900.00	3.750	-	3375.00 Sqm.
10	Earth work in patris 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 lavel 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	900.00	(1.875+2.425)/2	0.275	1064.25 Cum.
11	Construction of 4m Span Puliya	1x2	-	-	-	2.00 Nos.
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.	1x3	-	-	-	3.00 Nos.
13	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.	1x2	-	-	-	2.00 Nos.
14	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	-	-	-	1.00 Nos.
15	Supply and fixing of sign board, km, hectometer etc. complete	1x1	-	-	-	1.00 Job

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

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

अधिसासी अभियन्ता
प्रा० खण्ड, लो० नि० वि०
मीरजापुर

Bill of Quantity
कार्य का नाम - फुलियारी सम्पर्क मार्ग के नवनिर्माण का कार्य।

Sl	Particular	Qty	Unit	Rate	Amount
1	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 required level and slope and also 1.5m lift and 30m lead	3639.50	Cum	80.00	291160.00
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 wheel roller to achieve the desired density, complete as per Technical Specification Clause 401	455.63	Cum	2275.30	1036683.56
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.	253.13	Cum	2669.50	675717.19
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	253.13	Cum	2837.90	718343.44
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 mortar including labour & supply of bricks finished to required template and in proper alignment and also including dressing & ramming the excavated earth as directed by the E.I	0.90	Km	74000.00	66600.00
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	3375.00	Sqm	36.70	123862.50
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	3375.00	Sqm	20.30	68512.50
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, 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.	3375.00	Sqm	188.50	636187.50
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	3375.00	Sqm	69.00	232875.00
10	Earth work in paties 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 levels 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	1064.25	Cum	80.00	85140.00
11	Construction of 4m Span Puliva	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	3.00	Nos	35550.00	106650.00
13	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	2.00	Nos	87183.90	174367.80
14	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	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
	Total				6458957.66
	Say				64.59

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

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

अधिसासी अभियन्ता
प्रा० खण्ड, लो० नि० वि०
मीरजापुर

लागत का सारांश

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


क्र०सं०	कार्य का विवरण	लागत (रु० 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 अभियन्ता
प्रान्तीय खण्ड, लो०नि०वि०
मीरजापुर


अधिशाली अभियन्ता
प्रान्तीय खण्ड, लो०नि०वि०
मीरजापुर

M. Hitesh Kumar


अधिशाली अभियन्ता
प्रा० खण्ड, लो० नि० वि०
मीरजापुर

उत्तर प्रदेश सरकार



लोक निर्माण विभाग

प्रारम्भिक - आगणन

जनपद	:- मीरजापुर।
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 किमी०
प्रस्तावित धनराशि	:- रू० 408.70 लाख
प्रति किमी० लागत	:- रू० 64.87 लाख
वित्तीय वर्ष	:- 2021-22

M. Hish Kumar

अधिसासी अभियन्ता
प्रा० खण्ड, लो० नि० वि०
मीरजापुर

प्रतिवेदन

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, छानवे, 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 हलिया व विधान सभा छानवे के अन्तर्गत आता है। यह मार्ग मतवरिया से मतवार को जाता है। जनप्रतिनिधियों एवं ग्रामवासियों की मोंग पर मार्ग के निर्माण कार्य का मोंग किया गया है। जिसमें वन भूमि के अन्तर्गत पड़ने वाली लम्बाई 6.300 किमी० है। इस मार्ग के निर्माण कार्य हो जाने से लगभग 08 ग्रामसभा के ग्रामवासियों को आवागमन में सुविधा होगी एवं क्षेत्र का बहुमुखी विकास होगा।


वन भूमि में पड़ने वाले मार्ग की लम्बाई 6.300 किमी० एवं लागत रू० 408.70 लाख है।

गैर वन भूमि के अन्तर्गत पड़ने वाले मार्ग की लम्बाई शून्य एवं लागत शून्य है।

इस आगणन में निम्नलिखित प्राविधान किये गये हैं।

1. मार्ग पर तटबंध में मिट्टी का कार्य।
2. मार्ग पर जी०एस०बी० का कार्य।
3. मार्ग पर जी०-2 का कार्य।
4. मार्ग पर जी०-3 का कार्य।
5. 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 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 6.300 किमी० एवं लागत 408.70 लाख का गठित कर प्रशासकीय एवं वित्तीय स्वीकृति हेतु प्रेषित है।


सहायक अभियन्ता
प्रा० खण्ड, लो० नि० वि०
मीरजापुर


अधिशाली अभियन्ता
प्रा० खण्ड, लो० नि० वि०
मीरजापुर


अधिशाली अभियन्ता
प्रा० खण्ड, लो० नि० वि०
मीरजापुर

Details of Measurement

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

Sl.	Particular	No.	L	B	H/D	Qty.
1	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 required level and slope and also 1/2 1.5m lift and 30m lead	1x1	6300.00	(7.50+9.50)/2	0.500	26775.00 Cum
	Deduction of Existing	1x1	1500.00	(2.40+2.90)/2	0.200	795.00 Cum
					Total	25980.00 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 steel roller to achieve the desired density, complete as per Technical Specification Clause 401.	1x1	6300.00	4.050	0.125	3189.38 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.	1x1	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.	1x1	6300.00	3.750	0.075	1771.88 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 mortar including labour & supply of bricks finished to required template and in proper alignment and also including dressing & ramming the excavated earth as directed by the E/I	1x1	6300.00	-	-	6.30 Km
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	1x1	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 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.	1x1	6300.00	3.750	-	23625.00 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	1x1	6300.00	3.750	-	23625.00 Sqm
10	Earth work in paties 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 lavel 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
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.	1x16	-	-	-	16.00 Nos
13	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.	1x12	-	-	-	12.00 Nos
14	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
15	Supply and fixing of sign board, km, hectometer etc. complete	1x1	-	-	-	1.00 Job

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

Muthulish Kumar

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

अधिसासी अभियन्ता
प्रा० खण्ड, लो० नि० वि०
मीरजापुर

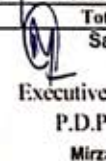
Bill of Quantity

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

Sl	Particular	Qty	Unit	Rate	Amount
1	2	3	4	5	6
1	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 required level and slope and also i/c 1.5m lift and 30m lead	25980.00	Cum	80.00	2078400.00
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 steel roller to achieve 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 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	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 mortar including labour & supply of bricks finished to required template and in proper alignment and also including dressing & ramming the excavated earth as directed by the E.I	6.30	Km	74000.00	466200.00
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	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, 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	23625.00	Sqm.	191.00	4512375.00
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	23625.00	Sqm.	69.80	1649025.00
10	Earth work in paties 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 levels 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	7449.75	Cum.	80.00	595980.00
11	Construction of 4m Span Puliya	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, labour, T & P etc. for proper completion of the work	12.00	Nos.	87183.90	1046206.80
14	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	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
				Total	33363067.09
				Say	333.63


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


 म.हिलेश कुमार


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

अधिशासी अभियन्ता
 प्रा० खण्ड, लो० नि० वि०
 मीरजापुर

लागत का सारांश

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

क्र०सं०	कार्य का विवरण	लागत (रु० 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
	लो०नि०वि० की कुल लागत	408.70
	Say Rs.in Lacs	408.70


अवर अभियन्ता
प्रान्तीय खण्ड, लो०नि०वि०
मीरजापुर


सहायक अभियन्ता
प्रान्तीय खण्ड, लो०नि०वि०
मीरजापुर


अधिशासी अभियन्ता
प्रान्तीय खण्ड, लो०नि०वि०
मीरजापुर


Mithlesh Kumar
अधिशासी अभियन्ता
प्रा० खण्ड, लो० नि० वि०
मीरजापुर

उत्तर प्रदेश सरकार



लोक निर्माण विभाग

प्रारम्भिक - आगणन

जनपद	:-	मीरजापुर।
ब्लाक	:-	हलिया
वृत्त	:-	मीरजापुर वृत्त, लो०नि०वि०, मीरजापुर।
खण्ड	:-	प्रान्तीय खण्ड, लो०नि०वि०, मीरजापुर।
कार्य का नाम	:-	बडोई से परसिया वाया औरा सम्पर्क मार्ग के नवनिर्माण का कार्य।
प्रस्तावित लम्बाई	:-	5.500 किमी०
प्रस्तावित धनराशि	:-	रु० 360.07 लाख
प्रति किमी० लागत	:-	रु० 65.47 लाख
वित्तीय वर्ष	:-	2021-22

M. H. K. K. K.

अधिशाली अभियन्ता
प्रा० खण्ड, लो० नि० वि०
मीरजापुर

प्रतिवेदन

कार्य का नाम :- बडोई से परसिया 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 भीरजापुर के ब्लाक हलिया व विधान सभा छानवे के अन्तर्गत आता है। यह मार्ग बडोई से परसिया वाया औरा 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 4.000 किमी० एवं गैर वन भूमि के अन्तर्गत पड़ने वाले मार्ग की लम्बाई 1.500 किमी० है तथा कुल लम्बाई 5.500 किमी० 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 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 हैं।

1. मार्ग पर तटबंध में मिट्टी का कार्य।
2. मार्ग पर जी०एस०बी० का कार्य।
3. मार्ग पर जी०-2 का कार्य।
4. मार्ग पर जी०-3 का कार्य।
5. 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 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 किमी० एवं लागत 360.07 लाख का गठित कर प्रशासकीय एवं वित्तीय स्वीकृति हेतु प्रेषित है।

सहायक अभियन्ता
प्रा० खण्ड, लो० नि० वि०
भीरजापुर

M. Hitesh Kumar

अधिसासी अभियन्ता
प्रा० खण्ड, लो० नि० वि०
भीरजापुर

अधिसासी अभियन्ता
प्रा० खण्ड, लो० नि० वि०
भीरजापुर

Details of Measurement

कार्य का नाम - बडोई से परसिया वाया औरा सम्पर्क मार्ग के नवनिर्माण का कार्य।

Sl.	Particular	No.	L	B	H/D	Qty.	
1	2	3	4	5	6	7	
1	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 required level and slope and also i/c 1.5m lift and 30m lead	1x1	5500.00	(7.50+9.50)/2	0.500	23375.00	Cum
	Deduction of Existing	1x1	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 steel roller to achieve the desired density, complete as per Technical Specification Clause 401.	1x1	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.	1x1	5500.00	3.750	0.075	1546.88	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.	1x1	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 mortar including labour & supply of bricks finished to required template and in proper alignment and also including dressing & ramming the excavated earth as directed by the E/I	1x1	5500.00	-	-	5.50	Km
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.	1x1	5500.00	3.750	-	20625.00	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	5500.00	3.750	-	20625.00	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.	1x1	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.	1x1	5500.00	3.750	-	20625.00	Sqm
10	Earth work in paties 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 levels 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	5500.00	(1.875+2.425)/2	0.275	6503.75	Cum
11	Construction of 4m Span Puliva	1x3	-	-	-	3.00	Nos.
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.	1x13	-	-	-	13.00	Nos.
13	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, labour, T & P etc. for proper completion of the work.	1x6	-	-	-	6.00	Nos.
15	Supply and fixing of sign board, km, hectometer etc. complete	1x1	-	-	-	1.00	Job

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

Mithilesh Kumar

अधिसासी अभियन्ता
प्रा० खण्ड, लो० नि० वि०
मीरजापुर

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

Bill of Quantity

कार्य का नाम - बड़ोई से परसिया वाया औरा सम्पर्क मार्ग के नवनिर्माण का कार्य।

Sl	Particular	Qty	Unit	Rate	Amount
1	2	3	4	5	6
1	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 required level and slope and also i/c 1.5m lift and 30m lead	22421.00	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 steel roller to achieve the desired density, complete as per Technical Specification Clause 401	2784.38	Cum	2307.00	6423553.13
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	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 mortar including labour & supply of bricks finished to required template and in proper alignment and also including dressing & ramming the excavated 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
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	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
10	Earth work in paties 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 levels 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
11	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
13	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
14	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.	6.00	Nos.	131997.40	791984.40
15	Supply and fixing of sign board, km, hectometer etc. complete	1.00	Job	10000.00	10000.00
				Total	29393808.01
				Say	293.94

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

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

Mukulish Kumar

अधिसासी अभियन्ता
प्रा० खण्ड, लो० नि० वि०
मीरजापुर

लागत का सारांश

कार्य का नाम - बड़ोई से परसिया वाया औरा सम्पर्क मार्ग के नवनिर्माण का कार्य।

क्र०सं०	कार्य का विवरण	लागत (रु० लाख में)
1	2	3
	लो०नि०वि० अंश	
	कार्य की वास्तविक लागत	293.94
	GST=12%	35.27
	योग-	329.21
	कन्टीजेन्सी 1%	3.29
	अधिष्ठान व्यय 6.875%	22.63
	मूल्य हास निधि 1.50%	4.94
	लो०नि०वि० की कुल लागत	360.07
	Say Rs.in Lacs	360.07


अवर अभियन्ता
प्रान्तीय खण्ड, लो०नि०वि०
मीरजापुर


सहायक अभियन्ता
प्रान्तीय खण्ड, लो०नि०वि०
मीरजापुर


अधिशाली अभियन्ता
प्रान्तीय खण्ड, लो०नि०वि०
मीरजापुर


अधिशाली अभियन्ता
प्रा० खण्ड, लो० नि० वि०
मीरजापुर

प्रतिवेदन

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 हलिया व विधान सभा छानबे के अन्तर्गत आता है। यह मार्ग हलिया से ददरी डैम सम्पर्क मार्ग से निकलकर मटिहरा सगरा तथा नदना ग्राम सभा 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 4.100 किमी० एवं गैर वन भूमि के अन्तर्गत पड़ने वाले मार्ग की लम्बाई 7.900 किमी० है तथा कुल लम्बाई 12.000 किमी० है। इस मार्ग के निर्माण कार्य हो जाने से लगभग 16 ग्रामसभा के ग्रामवासियों को आवागमन में सुविधा होगी एवं क्षेत्र का चहुमुखी विकास होगा।

वन भूमि में पड़ने वाले मार्ग की लम्बाई 4.100 किमी० एवं लागत रू० 275.82 लाख है।

गैर वन भूमि के अन्तर्गत पड़ने वाले मार्ग की लम्बाई 7.900 किमी० जिसकी लागत रू० 531.45 लाख है।

इस आगणन में निम्नलिखित प्राविधान किये गये हैं।

1. मार्ग पर तटबंध में मिट्टी का कार्य।
2. मार्ग पर जी०एस०बी० का कार्य।
3. मार्ग पर जी०-2 का कार्य।
4. मार्ग पर जी०-3 का कार्य।
5. 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 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, लो० नि० वि०
मीरजापुर



अधिशायी अभियन्ता
प्रा० खण्ड, लो० नि० वि०
मीरजापुर


अधिशायी अभियन्ता
प्रा० खण्ड, लो० नि० वि०
मीरजापुर


Details of Measurement

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

Sl.	Particular	No.	L	B	H/D	Qty.
1	2	3	4	5	6	7
1	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 required level and slope and also i/c 1.5m lift and 30m lead	1x1	12000.00	(7.50+9.50)/2	0.500	51000.00 Cum.
	Deduction of Existing	1x1	3200.00	(2.40+2.90)/2	0.200	1696.00 Cum.
					Total	49304.00 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 achieve the desired density, complete as per Technical Specification Clause 401.	1x1	12000.00	4.050	0.125	6075.00 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.	1x1	12000.00	3.750	0.075	3375.00 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.	1x1	12000.00	3.750	0.075	3375.00 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 mortar including labour & supply of bricks finished to required template and in proper alignment and also including dressing & ramming the excavated earth as directed by the E/I	1x1	12000.00	-	-	12.00 Km
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	1x1	12000.00	3.750	-	45000.00 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	12000.00	3.750	-	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	1x1	12000.00	3.750	-	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 510	1x1	12000.00	3.750	-	45000.00 Sqm.
10	Earth work in paties 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 lavel 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	12000.00	(1.875+2.425)/2	0.275	14190.00 Cum.
11	Construction of 4m Span Pulva	1x8	-	-	-	8.00 Nos.
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.	1x36	-	-	-	36.00 Nos.
13	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.	1x24	-	-	-	24.00 Nos.
14	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.	1x12	-	-	-	12.00 Nos.
15	Supplv and fixing of sign board, km, hectometer etc. complete	1x1	-	-	-	1.00 Job


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


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


 मितलेश कुमार

अधिशासी अभियन्ता
 प्रा० 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।

Sl.	Particular	Qty	Unit	Rate	Amount
1	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 required level and slope and also i.e 1.5m lift and 30m lead	49304.00	Cum.	80.00	3944320.00
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 wheel roller to achieve the desired density, complete as per Technical Specification Clause 401.	6075.00	Cum.	2275.30	13822447.50
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.	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 mortar including labour & supply of bricks finished to required template and in proper alignment and also including dressing & ramming the excavated 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	45000.00	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 sqm 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 as per Technical Specification Clause 508.	45000.00	Sqm.	188.50	8482500.00
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.	45000.00	Sqm.	69.00	3105000.00
10	Earth work in paties 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 levels 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
11	Construction of 4m Span Puliya	8.00	Nos.	1050430.39	8403443.09
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.	36.00	Nos.	35550.00	1279800.00
13	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.	24.00	Nos.	87183.90	2092413.60
14	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.	12.00	Nos.	131997.40	1583968.80
15	Supply and fixing of sign board, km, hectometer etc. complete	1.00	Job	10000.00	10000.00
				Total	65899567.99
				Say	659.00

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

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

महेश कुमार
अधिसासी अभियन्ता
प्रा० खण्ड, लो० नि० वि०
मीरजापुर

लागत का सारांश

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

क्र०सं०	कार्य का विवरण	लागत (रु० लाख में)
1	2	3
	लो०नि०वि० अंश	
	कार्य की वास्तविक लागत	659.00
	GST=12%	79.08
	योग—	738.08
	कन्टीजेन्सी 1%	7.38
	अधिष्ठान व्यय 6.875%	50.74
	मूल्य हास निधि 1.50%	11.07
	लो०नि०वि० की कुल लागत	807.27
	Say Rs.in Lacs	807.27


अवर अभियन्ता
प्रान्तीय खण्ड, लो०नि०वि०
मीरजापुर


सहायक अभियन्ता
प्रान्तीय खण्ड, लो०नि०वि०
मीरजापुर


अधिशाली अभियन्ता
प्रान्तीय खण्ड, लो०नि०वि०
मीरजापुर


Mithlesh Kumar
अधिशाली अभियन्ता
प्रा० खण्ड, लो० नि० वि०
मीरजापुर

वन विभाग से सम्बन्धित मार्गों का सारांश

क्र० सं०	मार्ग का नाम	मार्ग की कुल लम्बाई (किमी० में)	कुल लागत (रु लाख में)	वन भूमि में पड़ने वाले मार्ग की लम्बाई (किमी० में)	वन भूमि में पड़ने वाले मार्ग की कुल लागत (रु लाख में)	गैर वन भूमि में पड़ने वाले मार्ग की लम्बाई (किमी० में)	गैर वन भूमि में पड़ने वाले मार्ग की कुल लागत (रु 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 बाया 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 बाँध (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

अधिशाली अभियन्ता
प्रान्तीय खण्ड, लो० नि० वि०,
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M. H. K. K. K.

अधिशाली अभियन्ता
प्रा० खण्ड, लो० नि० वि०
मीरजापुर