

Mukhya Mantri Gram Sampark Yojana
GENERAL ABSTRACT OF COST

Name of Road : Rampur Chadrabhan urf Dangru P. A. U.M. Vidhalaya Narsinghpur Bagahi se Dakshin to Musudpur Tai Hote Hue Jeevan Chowk Tak

District : Vaishali
Block : Mahua
Length (M) : 1140

Sl. No.	Item of work	Amount (In Rs.)
1	Cost of Consturction/Improvement of Proposed Road	63,37,771.00
	Total Cost of Work :	63,37,771.00
	Grand Total :	63,37,771.00
	Rate Per Km. :	55,59,448.25
	Five Year Maintenance Cost :	4,87,967.00
	Total Cost Of Work Including Maintenance :	68,25,738.00

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22/12/20

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*T/c for Rs 68,25,700.00 (Rupees Sixty eight
lakh Twenty five Thousand
Seven hundred) only,*

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अधीक्षण अभियंता
ग्रामीण कार्य विभाग
कार्य अंचल, मुजफ्फरपुर

COMPARATIVE STATEMENT

Name of Road : Ranpur Chaudharni off Durgu P. A. U.M. Vidhaya Narsinghpur Bagahi se Dekahin to Musaidpur Tal Nohi Hue Jeevan Chowk Tak

Block : Mahua
Length (km) : 1.140

S. No	Description	Unit	As Per Agreement			Work Done			As per last Measurement	Extra Quantity Required for Construction	As per Work Revised			Total Amount of Revised Estimate	Difference Amount of Revised Estimate & Agreement	Percent of Increase/Decrease in Amount
			Quantity	Rate	Amount (Rs.)	Quantity	Rate	Amount (Rs.)			Quantity	Rate	Amount (Rs.)			
1	2	3	4	5	6	7	8	9	10=(4-7)	11	12=(10+11)	13	14	15=(9+14)	16=(15-6)	17
1.00	Setting out Providing & Filing of Working benchmark/Reference pillars 01 nos. per km & 04 nos. of reference pillars required for 1 km as per drawing given and direction of E/I Benchmark = 1 Nos per km (9) Construction of Reference Pillars/Burjees = 04 Nos per km Nos/SOR item No.-1.16	Km	1.140	3392.360	3867	1.14	3392.360	3867	0.000	0	0.000	3392.360	0	3867	0	0.00%
2.00	Clearing and grubbing road land including uprooting wild vegetation, grass, bushes, shrubs, saplings and trees of girth upto 300 mm, removal of stumps of such trees cut earlier and disposal of unserviceable materials and stacking of serviceable material to be used or auctioned, upto a lead of 1000 m including removal and disposal of top organic soil not exceeding 150 mm in thickness as per Technical Specification Clause 201.SOR item No.-2.2	Km	1.140	1599.530	1823	1.14	1599.530	1823	0.000	0	0.000	1599.530	0	1823	0	0.00%
3.00	Construction of embankment with approved materials deposited at site from roadway cutting and excavation from drain and foundation compacted to meet requirement of Tables 300.1 and 300.2 as per Technical Specification Clause 301.5.	Cum	1268.998	116.570	147927	1233.55	116.570	143795	0.000	0	0.000	116.570	0	143795	-4132	-2.79%
4.00	Excavation for roadway in soil using manual means for carrying of cut earth to embankment site with a lift up to 1.5 m and lead up to 50m as per Technical Specification Clause 302.3 SOR item No.-3.5 (i)	cum	108.000	36.300	3920	0	36.300	0	0.000	0	0.000	36.300	0	0	-3920	-100.00%
5.00	Construction of embankment with approved material obtained from borrow pits with a lift up to 1.5m transporting to site, spreading grading to required slope and compacting to meet requirement of Tables 300.1 and 300.2 with a lead up to 1000 m as per Technical Specification Clause 301.5/SOR item No.-3.4	cum	976.380	153.460	149835	893.25	153.460	137078	0.000	0	0.000	153.460	0	137078	-12757	-8.51%
6.00	Construction of subgrade and earthen shoulders with approved material obtained from borrow pits with all leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of Table 300.2 with lead upto 1000 m as per Technical Specification Clause 300.1.	cum	783.810	130.310	102138	783.81	130.310	102138	0.000	0	0.000	130.310	0	102138	0	0.00%

1	2	3	4	5	6	7	8	9	10m(4.7)	11	12x(10x11)	13	14	15=(9+14)	16=(15+6)	17
7.00	BOX Cutting For Pavement Construction Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers and transporting to the embankment location with a lift upto 1.5 m and upto 1000 m as per technical specification clause 502.3 Proposed BT Road	Cum	79.750	120.310	94.74	79.75	120.310	94.74	0.000	0	0.000	120.310	0	94.74	0	0.00%
8.00	BOX Cutting For Pavement Construction Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers and transporting to the embankment location with a lift upto 1.5 m and upto 1000 m as per technical specification clause 502.3 Proposed PCC Road	Cum	29.250	120.310	35.19	29.25	120.310	35.19	0.000	0	0.000	120.310	0	35.19	0	0.00%
9.00	Construction of granular sub-base by providing well graded material (Grading 1) - spreading in uniform layers with motor grader on prepared surface, mixing by fix in place method with rotavator at 400C, and compacting with three wheel 80-100 kN static roller capacity to achieve the desired density, complete as per Technical Specification Clause 401SQR Item No.-4.1.401(A4)	cum	447.150	2909.290	1300689	447.03	2909.290	1300540	0.120	54.24	54.360	2909.290	156140	1456689	157600	12.13%
10.00	WBIM Grading 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 to fill-up the interstices of coarse aggregate, watering and compacting to the required density Grading 3 as per Technical Specification Clause 405.80 -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 405.50R Item No.-4.7 (3)(A) Proposed BT Road	cum	323.840	3562.420	1153654	323.8	3562.420	1153512	0.040	37.67	37.710	3562.420	134339	1287651	134197	11.63%
12.00	Prime Coats Providing and applying primer coat with bitumen emulsion (SS-1) on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.70-1.0 kg/sqm using mechanical means as per Technical Specification Clause 502SQR Item No.-5.1 (i)	sqm	2840.630	47.780	135725	2840.54	47.780	135721	0.090	1143.00	1143.090	47.780	54617	190338	54613	40.24%

1	2	3	4	5	6	7	8	9	10=(4-7)	11	12=(10+11)	13	14	15=(9+14)	16=(15+6)	17
13.00	Task Cost Providing and applying tack coat with Blumson emulsion (RS-1) using emulsion distributor at the rate of 0.25 to 0.30 kg per sqm on the prepared granular surfaces treated with primer & cleaned with Hydraulic broom as per Technical Specification Clause 505OR Item No.-5.2 (B) 503	sqm	2840.630	15.844	45291	2840.54	15.844	45290	0.090	1143.00	1143.090	15.944	18225	63515	18224	40.24%
14.00	Mix Seal Surfacing By Mechanical Mixers (Type-B) Providing, laying and rolling of close-graded premix surfacing material of 20 mm thickness composed of 11.2 mm to 0.6 mm (Type-A) or 13.2 mm to 0.9 mm (Type B) aggregates using penetration grade blumson 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 8-10 kN static roller and finishing to required level and grades as per Technical Specification Clause 505OR Item No.-5.11	sqm	2840.630	216.58	615237	2840.54	216.585	615216	0.090	1143.00	1143.090	216.585	247576	862794	247557	40.24%
15.00	Cement Concrete Pavement :- Construction of un-reinforced, plain cement concrete pavement, thickness as per design, over a prepared sub base, with 43 grade cement or any other type as per Clause 1501.2.2 M30 (Grade), coarse and fine aggregates conforming to IS-383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a concrete mixer of not less than 0.2 cum capacity and appropriate weigh batcher using approved mix design, laid in approved fixed side formwork (steel channel, wedges, steel plates including leveling the formwork, laying and finishing of 125 micron thick polythene film, as per drawing), spreading the concrete with shovels, rakes, compacted using needle, screed and plate vibrators and finished in continuous operation including provision of contraction and expansion, construction joints, applying debonding strips, primer, sealant, dowel bars, near approaches to bridge/sluiceway and concrete slabs for 14-days, using curing compound (where specified) and water finishing to lines and grade as per drawing and Technical Specification Clause 1501SOR Item No.-6.4	cum	236.340	7134.770	1686232	236.34	7134.770	1686232	0.000	18	18.000	7134.770	128426	1814658	128425	7.62%
16.00	Kilometer Stone Reinforced cement concrete M15 grade kilometre stone/local stone of standard design as per IRC-8 (being in position including painting and printing, etc as per drawing and Technical Specification Clause 1703 (B) Ordinary Kilometer Stone (Pre-Cast))	Each	2.000	2457.340	4915	2	2457.340	4915	0.000	0	0.000	2457.340	0	4915	0	0.00%

1	2	3	4	5	6	7	8	9	10=(4-7)	11	12=(10+11)	13	14	15=(9+14)	16=(13+6)	17
17.00	Nominey Stone Reinforced cement concrete M15 grade kilometre architectural stone of standard design as per IRC:25, fixed in position including painting and priming, etc as per drawing and Technical Specification Clause 1703 (6) 200m Stone (75x150)	Each	4.000	672.180	2689	4	672.180	2689	0.000	0	0.000	672.180	0	2689	0	0.00%
17.00	Boundary Filler Reinforced cement concrete M15 grade boundary pillar/riser stone of standard design as per IRC:25, fixed in position including finishing and lettering but excluding painting as per drawing and Technical Specification Clause 1704	Each	22.000	520.240	11445	22	520.240	11445	0.000	0	0.000	520.240	0	11445	0	0.00%
18.00	Providing and fixing of typical MMSY information sign board with Logo as per MORD specifications and drawing. Three MS Plates of 1.6 mm thick, top and middle plate duly welded with MS flat iron 25mm x 5m size on back on edges. The lower plate will be welded with MS angle iron frame of 25mm x 25mm x 5mm. The angle iron frame of the lower most plate and flat iron frame of middle plate will be welded to 2 nos. 75mm x 75 mm of 12 SWG sheet tubes posts duly embedded in cement concrete M-15 grade blocks of 450mm x 450mm x 600mm, 600mm below ground level. The top most diamond plate will be welded to middle plate by 47mm x 47mm of 12 SWG steel plate tube. All M.S. will be stove enameled on both sides. Lettering and printing arrows, border etc. will be painted with ready mixed synthetic enamel paint of superior quality in required shade and colour. All sections of framed posts and steel tube will be painted with primer and two coats of epoxy paint as per drawing Clause 1701 and Annexure 1700.1	Each	2.000	9345.120	18690	2	9345.120	18690	0.000	0	0.000	9345.120	0	18690	0	0.00%
19.00	Providing and fixing of retro-reflective cautionary, mandatory and information sign as per IRC:67 made of encapsulated lens type reflective sheeting vide Clause 1701.2.3 fixed over aluminium sheeting, 1.5 mm thick supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 450 mm x 450 mm x 600 mm, 600 mm below ground level as per drawings and Technical Specification Clause 801 600 mm equilateral triangle	Each	8.000	3013.250	24106	8	3013.250	24106	0.000	0	0.000	3013.250	0	24106	0	0.00%
	500 x 450 mm rectangular	Each	7.000	4019.680	28138	7	4019.680	28138	0.000	0	0.000	4019.680	0	28138	0	0.00%
	600 mm side octagon	Each	2.000	7222.490	14445	2	7222.490	14445	0.000	0	0.000	7222.490	0	14445	0	0.00%

1	2	3	4	5	6	7	8	9	10=(4-7)	11	12=(10+11)	13	14	15=(13+14)	16=(15-6)	17
20.00	Road Marking with hot applied Thermoplastic Compound with Reflecting Glass Beads on Bituminous Surface. Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflecting glass beads @ 250 gms per sqm, thickness of 2.5 mm is exclusive of surface layer and glass beads @ 800 gms per sqm. The finished surface to be level, uniform and free from streaks and marks.	km	130.000	845.000	130750	130	845.000	130750	0.000	0	0.000	845.000	0	126750	0	0.00%
21.00	Cable Duct Across the Road :- Providing and laying of a reinforced concrete pipe duct 300 mm dia. across the road (new construction). Extending from drain to drain in cuts and low of slope to line of slope in filling constructing head walls at both ends providing a minimum 5% of granular material over top and side of pipe as per IRC 86/1997. Backfill on a 0.3 m thick layer of granular material free of rock pieces outer to outer distance of pipe at least half dia of pipe	km	21.000	1482.540	31133	0	1482.540	0	0.000	0	0.000	1482.540	0	0	-31133	-400.00%
Total Construction Cost					5648642			5596439					741332	5337711	688129	12.18%
22	Maintenance for 1st year	km	1.14	38234.21	43587	0	38234.21	0	1.14		1.14	38234.21	43587	0	0	0.00%
23	Maintenance for 2nd year	km	1.14	43542.11	51918	0	43542.11	0	1.14		1.14	43542.11	51918	0	0	0.00%
24	Maintenance for 3rd year	km	1.14	93680.70	106798	0	93680.7	0	1.14		1.14	93680.70	106798	0	0	0.00%
25	Maintenance for 4th year	km	1.14	114335.96	130343	0	114335.96	0	1.14		1.14	114335.96	130343	0	0	0.00%
26	Maintenance for 5th year	km	1.14	136248.25	155323	0	136248.25	0	1.14		1.14	136248.25	155323	0	0	0.00%
Total Maintenance Cost					487967			0					487967	487967	0	0.00%
Total Cost of Project					6137609			5596439					1229299	6825738	688129	11.21%

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Junior Engineer

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22/12/20
Asst. Engineer

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22.12.20
Executive Engineer

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अधीक्षक अभियंता
ग्रामीण कार्य विभाग
कार्य अंचल, मुजफ्फरपुर