


प्रतिवेदन


पथ का नाम — खोपी कोठी चौक से बाया नदी तक
लम्बाई — 0.440 कि०मी०

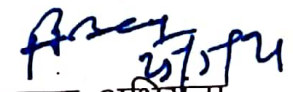
प्रस्तुत प्राक्कलन (32.253 लाख) वर्ष-2020 में आयी बाढ़ के कारण क्षतिग्रस्त पथ के पूर्व पुनर्स्थापन हेतु सचिव, ग्रामीण कार्य विभाग, बिहार, पटना के निदेश के आलोक में तैयार किया गया है। पथ का निर्माण MMGSY योजनान्तर्गत लगभग चार वर्ष पूर्व किया गया है, वर्तमान में पथ अनुरक्षण अवधि के अन्दर है। पथ की कुल लम्बाई 0.440 कि०मी० है। पथ में गढ़ावे को भरने के लिए लगभग 0.100 कि०मी० में PCC का प्रावधान किया गया है। जिसका मापी प्राक्कलन में परिशिष्ट के रूप में संलग्न है। पथ का फोटोग्राफ एवं विवरणी MIS में प्रविष्ट की जा चुकी है।

इस पथांश के पूर्व पुनर्स्थापन से खोपी के लोगों को आवागमन में सुविधा होगी।


यह प्राक्कलन ग्रामीण कार्य विभाग के मार्गदर्शिका के अनुरूप तैयार किया गया है, जिसमें तकनीकी परीक्षक कोषांग द्वारा निर्गत अद्यतन बेसिक दर को समर्पित किया गया है।


15/05/21
JE


15/5/21
जेके


कार्यपालक अभियंता
ग्रामीण कार्य विभाग,
कार्य प्रमण्डल, महनार।

पूर्ण पुनर्स्थापन का कार्य एवं निरीक्षण अधोदर-नामरी द्वारा
किया गया है कार्य प्राक्कलन से अतुराय एवं बंरोप-प्रक है


Superintending Engineer
Rural Works Department
Works Circle Muzaffarpur

चेक-लिरट

1	संघिका संख्या :-	
2	शीर्ष :-	FDR
3	परमंडल का नाम :-	महनाट
4	पथ का नाम :-	Khopi Kothi chowk to Baya radi tek.
5	पथ की लम्बाई :-	0.440 Km.
6	परमंडल का नाम (पूर्व में जिसको स्वीकृति प्रदत्त है) :-	महनाट
7	परमंडल का नाम (जिनको द्वारा वर्तमान में कार्य किया जाना है)	महनाट
8	कार्य परमंडल का नाम :-	महनाट
9	जिला का नाम :-	केशवाली
10	प्रशासनिक स्वीकृति की राशि :-	28.90 Lakhs.
11	प्रशासनिक स्वीकृति का प्रसंग :-	BRR DA (Hq) - mmmsy - 141/2016-4593
12	पूर्व में प्रदत्त तकनीकी स्वीकृति की राशि :-	28.61 Lakhs.
13	तकनीकी स्वीकृति का प्रसंग :-	28.61 Lakhs.
14	एकरास्नामा की राशि :-	2520805.00
15	संवेदक का नाम एवं निर्बंधन संख्या :-	Laksh Kumar, Agreement no-27/mm
16	एकरास्नामा के अनुसार कार्य प्रारंभ करने की तिथि :-	08/02/18
17	एकरास्नामा के अनुसार कराये गये कार्य की राशि :-	24.16,225.00
18	वर्तमान में कार्य की स्थिति :-	सम्पन्न
19	क्या एकरास्नामा विखंडित किया गया है अथवा बंद किया गया है	नहीं
20	क्या एकरास्नामा विखंडित करने के फलस्वरूप अग्रधन एवं जमानत की राशि जब्त की गयी है	नहीं
21	कार्य को पूर्ण कराने में अग्रधन एवं जमानत की राशि कर जब्त से अधिक लगने वाले राशि हेतु संबंधित संवेदक पर कार्यपालक अभियंता द्वारा दावा किया गया है	नहीं
22	एकरास्नामा विखंडित करने की स्थिति में क्या कार्यपालक अभियंता द्वारा संवेदक को काली सूची में डालने का प्रस्ताव दिया गया है	नहीं
23	क्या पुनरीक्षित प्राक्कलन में किये गये प्राक्धानों की अनुसंधान सखम प्राधिकार (अधीक्षण अभियंता) के द्वारा स्थल निरीक्षण कर की गई है	हाँ
24	पुनरीक्षित प्राक्कलन की राशि :-	32.253
25	पुनरीक्षित प्राक्कलन एवं मूल प्राक्कलन की राशि में अंतर :-	4.244
26	पुनरीक्षित प्राक्कलन की राशि में वृद्धि (प्रतिशत में) :-	14.68%
27	पुनरीक्षित प्रशासनिक स्वीकृति का कारण :-	FDR.

TE

संवेदक

कार्यपालक अभियंता का हस्ताक्षर

Mukhya Mantri Gram Sampark Yojna (MMGSY)

FORMAT F-5

GENERAL ABSTRACT OF COST

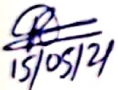
Block:--Jandaha

District:--Vaishali

Length of Road:-- 0.440 KM

Name of Road:-- Revised Estimate For Khopi Kothi Chowk To Baya Nadi Tak

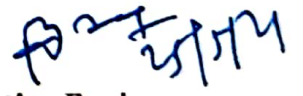
SL. No.	Item of Work	Amount
A	TOTAL COST OF FLOOD DAMAGE	₹ 4.244 Lakhs
B	COST AS PER WORK DONE	₹ 26.847 Lakhs
C	COST AS PER NOT WORK DONE	₹ 0.052 Lakhs
D	FIVE YEAR MAINTENANCE COST	₹ 1.110 Lakhs
TOTAL COST OF PROJECT		₹ 32.253 Lakhs


15/05/24


Junior Engineer


15/5/24

Asstt. Engineer


15/5/24

Executive Engineer

9/5

28/5/24
Additional Engineer
Rural Works Department
Works Circle Muzaffarpur

SUMMARY OF COST ESTIMATE FOR THE PROJECT

NAME OF ROAD :

Revised Estimate For Khopi Kothi Chowk To Baya Nadi Tak

DISTRICT

Vaishali

BLOCK

Jandaha

LENGTH OF ROAD (in Km)

0.440

LENGTH OF BT PAVEMENT


LENGTH OF CC PAVEMENT

LENGTH OF NO WORK

Sl. No.	DESCRIPTION	AMOUNT (LAKHS)
1	PREPARATORY WORKS, SITE CLEARANCE, DISMANTLING	0.000
2	EARTHWORK	0.000
3	GSB	0.000
4	WBM GRADE II	0.000
5	WBM GRADE III	0.000
6	PRIME COAT	0.000
7	TACK COAT	0.000
8	PREMIX CARPET	0.000
9	SEAL COAT	0.000
10	CEMENT CONCRETE PAVEMENT	4.244
11	HARD SHOULDERING	0.000
12	SIDE DRAINS	0.000
13	PROTECTION WORKS / Boulder Pitching	0.000
14	ROAD FURNITURES, KM STONES, TRAFFIC & DIRECTION SIGN, PMGSY LOGO	0.000
	SUB TOTAL OF PAVEMENT COST IN LAKHS =	4.244
	Sub Total ₹ :--	4.244
	TOTAL COST OF PROJECT IN LAKHS =	4.244


15/05/21
Junior Engineer
RWD Works Division, Mahnar


15/05/21
Assistant Engineer
RWD Works Division, Mahnar


Executive Engineer
RWD Works Division, Mahnar

Revised Estimate For Khopi Kothi Chowk To Baya Nadi Tak

Length of the road:- 0.440 Km

District:- Vaishali

Block:- Jambha

Sl. No.	Item	Unit	As Per BOD/ Agreement			Work already done			Work Not Done			Work To Be Done After Damaged Due To Flood			Total	Variation In Amount		Remarks
			Qty	Rate	Amount	Qty	Rate	Amount	Qty	Rate	Amount	Qty	Rate	Amount		Amount (9+13)	Difference in Amount (16-6)	
1	Setting Out Pillars :- Providing & Fixing of Working benchmark Pillars 1 nos. per km & 4 Nos. of reference pillars required for 1 Km. as per drawings given and direction of E/I (including Royalty & Labour Cess). Working Benchmark Pillars	Km	0.440	3,665.710	1,613.00	0.440	3,665.71	1,613.00	0.000	3,665.71	0.00	0.000	3,665.71	0.00	1,613.00	0.00	0%	
2	Reference pillars	Km	0.440	1,713.33	754.00	0.440	1,713.33	754.00	0.000	1,713.33	0.00	0.000	1,713.33	0.00	754.00	0.00	0%	
3	Clearing and Grubbing Road Land (By manual means) including uprooting wild vegetation, grass, bushes, shrubs, saplings and trees of girth upto 300mm, removals of stumps of such trees cut earlier & disposal of unserviceable materials & stacking of serviceable materials to be used or auctioned upto a load of 1000 m including removal and disposal of top organic soil not exceeding 150mm in thickness as per technical specification clause 2011 and direction of E/I (including Royalty & Labour Cess).	ha	0.220	46,907.860	10,320.00	0.220	46,907.86	10,320.00	0.000	46,907.86	0.00	0.000	46,907.86	0.00	10,320.00	0.00	0%	
4	Construction of Embankment with material obtained from borrow pits with a lift upto 1.5 m , transporting to the site spreading , grading to required slope and compacting to meet requirement of Table 300.1 and 300.2 with a lead upto 1000 m & 100 m as per Technical Specification Clause 301.5 . (including Royalty & Labour Cess). For 1000 m Lead Cum	Cum	208.710	172.170	35,934.00	208.710	172.17	35,934.00	0.000	172.17	0.00	0.000	172.17	0.00	35,934.00	0.00	0%	
5	Construction of Subgrade and Earthen Shoulders with 5% Local sand mixed with Borrower to achieve minimum Section CBR value of 5 % :- Construction of subgrade and earthen shoulders with approved material obtained from borrow pits with all lifts and leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of Table 300.2 with lead upto 1000 m & 100 m as per Technical Specification Clause 301.1. (including Royalty & Labour Cess).	Cum	348.020	130.070	45,268.00	317.853	130.07	41,343.00	30.177	130.07	3,925.00	0.000	130.07	0.00	45,268.00	0.00	0%	
6	Box Cutting:- Excavation for roadway in soil using manual means for carrying of cut earth to embankment site with a lift upto 1.5 m and lead upto 50 m as per Technical Specification Clause 300.3 (including Royalty & Labour Cess)	Cum	33.000	115.690	3,818.00	33.000	115.69	3,818.00	0.000	115.69	0.00	0.000	115.69	0.00	3,818.00	0.00	0%	
7	Granular Sub-Base with Coarse Graded Material :- Construction of granular sub-base by providing coarse graded material, spreading, in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OM/C and compacting with vibratory roller to achieve the desired density, complete as per clause 401. (including Royalty & Labour Cess)	Cum	43.230	2,587.290	1,11,549.00	42.712	2,587.29	1,10,586.00	0.488	2,587.29	1,263.00	0.000	2,587.29	0.00	1,11,549.00	0.00	0%	
8	WBM Grading 3 (By Manual Means) :- 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 60-100 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. (including Royalty & Labour Cess)	Cum	124.990	3,496.820	4,37,068.00	124.990	3,496.82	4,37,068.00	0.000	3,496.82	0.00	0.000	3,496.82	0.00	4,37,068.00	0.00	0%	

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Sl. No.	Item	Unit	As Per BOD/Agreement			Work already done			Work Not Done			Work To be Done After Damaged Due To Flood			Total		Variance in Amount		Variance in %	Remarks
			Qty	Rate	Amount	Qty	Rate	Amount	Qty	Rate	Amount	Qty	Rate	Amount	Amount (per 1%)	Amount (10%)	Amount (10%)	Amount (10%)		
1	Construction of unreinforced, 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 weight batcher using approved mix design, laid in approved fixed side formwork (level channel, laying and finishing of 125 micron thick polythene film), wedges, steel plates including leveling the formwork as per drawing), spreading the concrete with shovel, rakes, compacted using trowel, screed and plate vibrator and finished in continuous operation including provision of contraction and expansion, construction joints, applying debonding strips, primer, sealant, dowel bars, near approaches to bridge/culvert and construction joints, admixtures as approved, curing of concrete slabs for 14 days using curing compound (where specified) and wear finishing to lines and grade as per drawing and Technical Specification Clause 1501	Cum	266.640	7,072.800	18,85,891.00	256.540	7,072.80	18,85,891.00	0.000	7,072.80	0.00	60.000	2,072.80	4,24,368.00	22,10,259.00	4,24,368.00	22,10,259.00	4,24,368.00	21%	
10	Kilometre local stone - Reinforced cement concrete M15 grade kilometre local stone of standard design as per IRC:8 fitting in position including painting and priming, etc as per drawing and technical specification clause 1703 (including Royalty & Labour Cost), 1) km stone	No	1,000	2,392.060	2,392,060.00	1,000	2,392.06	2,392,060.00	0.000	2,392.06	0.00	0.000	2,392.06	0.00	2,392.06	0.00	2,392.06	0.00	0%	
11	(ii) 500 m stone	No	2,000	637.000	1,274,000.00	2,000	637.00	1,274,000.00	0.000	637.00	0.00	0.000	637.00	0.00	1,274,000.00	0.00	1,274,000.00	0.00	0%	
12	Reinforced cement concrete M15 grade boundary pillar/local stone of standard design as per IRC:25, fixed in position including finishing and leveling but excluding painting as per drawing and Technical Specification Clause 1704	each	8,000	518.000	4,144,000.00	8,000	518.00	4,144,000.00	0.000	518.00	0.00	0.000	518.00	0.00	4,144,000.00	0.00	4,144,000.00	0.00	0%	
13	(i) Providing and Fixing 'Large' or 'MANGSY' Project - Providing and Fixing of typical MANGSY Informative sign board with Logo as per MORD specifications and drawing. Three MS plates of 16 mm thick, top and middle plate duly welded with MS flat iron 25mm x 5mm 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 M15 grade blocks of 450mm x 450mm x 600mm below ground level. The top most diamond plate will be welded to middle plate by 67mm x 47mm of 12 SWG steel plate tube. All M.S. will be above enamelled on both sides. Leveling and priming 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. (including Royalty & Labour Cost).	each	11,208.28	11,208.280	22,417,000.00	11,208.28	11,208.28	22,417,000.00	0.000	11,208.28	0.00	0.000	11,208.28	0.00	22,417,000.00	0.00	22,417,000.00	0.00	0%	
14	Providing and fixing of Retro reflective cautionary, mandatory and Informative sign board as per IRC: 67 made of 15 mm thick MS steel duly above white colour in front and gray colour on back with red reflective border of 65 mm width and required letters and figures with reflective tape engineering grade as per clause 1701.3.9 of MORD for rural road of required shade and colour supported and welded on 47mmx75mmx12mm sheet tube firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 450x450x600 mm 400mm below ground level as per approved drawing clause 1701.2.2 (i) 600 mm x 450 mm rectangular (School & Place)	No	8,000	4,093.460	32,748,000.00	8,000	4,093.46	32,748,000.00	0.000	4,093.46	0.00	0.000	4,093.46	0.00	32,748,000.00	0.00	32,748,000.00	0.00	0%	
15	600 mm x 450 mm rectangular	No	7,000	5,514.630	38,602,000.00	7,000	5,514.63	38,602,000.00	0.000	5,514.63	0.00	0.000	5,514.63	0.00	38,602,000.00	0.00	38,602,000.00	0.00	0%	
16	900 mm side octagon	No	2,000	10,308.200	20,616,000.00	2,000	10,308.20	20,616,000.00	0.000	10,308.20	0.00	0.000	10,308.20	0.00	20,616,000.00	0.00	20,616,000.00	0.00	0%	

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20/05/2024

Sl. No.	Item	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
17	Providing and laying of a reinforced cement concrete pipe duct, 300 mm dia, across the road (new construction), extending from drain to drain in cuts and toe of slope in fill, constructing head walls at both ends, providing a minimum fill of granular material over top and sides of RCC pipe as per IRC:39/197, bedded 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 subject to minimum 450 mm in case of double and triple row ducts, joints to be made leak proof, invert level of duct to be above higher than ground level to prevent entry of water and dirt, all as per IRC:39-1997 and approved drawings.	Rent	21.000	1,674.96	35,174.00	21.000	1,674.96	35,174.00	0.000	1,674.96	0.000	0.000	1,674.96	0.000	0.000	35,174.00	0%
	Total Construction of Cost				26,89,892.00			26,89,892.00				5,188.00				4,24,364.00	
18	Maintenance for 1st year	Year	0.440	33,970.45	14,572.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	14,572.00	
19	Maintenance for 2nd year	Year	0.440	44,148.45	19,424.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	19,424.00	
20	Maintenance for 3rd year	Year	0.440	50,917.91	22,403.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	22,403.00	
21	Maintenance for 4th year	Year	0.440	57,659.09	25,370.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	25,370.00	
22	Maintenance for 5th year	Year	0.440	65,613.60	28,870.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	28,870.00	
	Total Maintenance of Cost				1,11,014.00			1,11,014.00				0.000				4,24,364.00	
	Total Cost of Project				28,00,896.00			28,00,896.00				5,188.00				4,24,364.00	

less 10% as per agreement

Rs. 2,52,086.00

Rs. 4,667.00

Rs. 381931.00 Rs. 2902,738.00

work not to be done @ Rs. 4,667.00
Total = Rs. 28,98,067.00

15/05/24
7E

8 and 15/5/24

for 25/5

Chs for 24/5/24
Designing Engineer
Kunal Works Department
Works Circle Muzaffarpur

FORMAT F6

प्रश्न ५१