



बिहार BIHAR

Comtee Dyman for

AM 352510

Md. Mashtoor Ali
S. K. Kishanganj

SUPPLEMENTARY AGREEMENT (REVISED)
CONST. AND MAINT. OF ROAD DALWA HATT TO BIRPUR
UNDER-MR-3054

Rate - 0.05% Below

KISHANGANJ

04/MR/3054/MBD/SPL/2022-2023

Supplementary Agreement (Revised) No. SBD. Day of Year,

On the basis of revised and approved BOQ of S.E. R.W.D. Works Circle, Kishanganj Lt. No. Dated *21.11.2022* (Part of this Agreement) this revised agreement is made on dated Between Executive Engineer, R.W.D. Works Division, Kishanganj-2 and Contractor KAMAC ENGINEER'S (P) LTD. AT-55, M.R. ROAD, P.O.+P.S -SILIGURI DIST- DARJEELING (W.B.) In Compliance Of Letter No. 4384 dated - 06.12.2021 of Chief Engineer-2, R.W.D. Bihar, Patna for MR-3054 Road Namely CONST. AND MAINT. OF ROAD DALWA HATT TO BIRPUR UNDER- MR-3054 RS.- 1,26,64,978.00 (ONE CRORE TWENTY SIX LACS SIXTY FOUR THOUSAND NINE HUNDRED SEVENTY EIGHT RUPEES) ONLY.

The Original Agreement No. of This Scheme is 03/MR-3054/MBD/2020-21.

Supplementary value - 430,376.00

Kish Aggarwal
21/11/2022
EXECUTIVE ENGINEER
RWD WORKS DIVISION
KISHANGANJ-2

तालिका - 2

क्र० सं०	कार्य प्रमडल	पथ का नाम	पथ की लम्बाई (कि० मी०)	कुल पुर्नरीक्षित राशि (लाख)	बाद से क्षतिग्रस्त अंश की मरम्मत हेतु आवश्यक राशि (लाख)
1	किशनगंज-2	दन्वा 1812 से बीरपुर	3.20 Km	126.662	16.125

[Signature]
10/11/21
क० अ०

[Signature]
14/11/21
स० अ०

[Signature]
कार्यपालक अभियंता
ग्रा० का० वि० कार्य प्रमडल

[Signature]
22/11/21
EXECUTIVE ENGINEER
PWD, WORKS DIVISION
21-11-21 SHANGANJ-2

GENERAL ABSTRACT OF COST FOR MAINTENANCE OF ROAD

ROAD NAME : - DALWAHATT TO BIRPUR

DISTRICT

BLOCK

DIVISION

LENGTH OF ROAD (in km)

PURNEA

POTHIYA

KISHANGANJ - 2

3.700

Sl. No.	DESCRIPTION	AMOUNT (LAKHS)
1	EARTH WORK	0.000
2	SHOULDER	0.549
2	G.S.B.	0.729
3	Gr II	1.416
4	Gr III	1.803
5	PRIME CAOT	0.238
6	TACK COAT	0.080
7	MIX SEAL SURFACE	1.210
8	TACK COAT	0.406
9	S.D.B.C.	7.845
SUB TOTAL OF INTIAL RECTIFICATION INCLUDING SURFACE RENEWAL		14.277
LABOUR CESS @ 1%		0.14
TOTAL G.S.T. @ 12%		1.71
TOTAL COST =		16.134

A Kumar
JE
14/11/21
RWD

Arup
14/11/21
AE
RWD

EE
14/11/21
RWD

6
[Signature]
16/11/24

21/11/2022
EXECUTIVE ENGINEER
RWD, WORKS DIVISION
KISHANGANJ-2

Sl. No.	ITEM OR WORK	As per Agreement / Contract Estimate				As per Work Done (B.R.)				As per Revised Estimate/Change Order Bill				Total Revised Estimate				Difference in Quantity				Difference in Amount in Rs.				Remarks
		Unit	Quantity	Rate	Amount (in Rs.)	Quantity	Rate	Amount (in Rs.)	Quantity	Rate	Amount (in Rs.)	Total Qty. (4+10)	Total Amount (in Rs.) (6+12)	Difference in Quantity (13-4)	% Difference in Quantity (13/4*100)	Difference in Amount in Rs. (14-4)	% Difference in Amount (14/4*100)									
1		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18									
8	Patch work over WBM using Mix Seal Surface with Waste Plastic for Bitumen and Existing CC Pavement :- Providing laying and rolling of close graded premix surface materials of 20 mm thickness composed of 11.2 mm to 0.9 mm (Type - A) or 13.2 mm to 0.9 mm (Type -B) aggregates using penetration graded bitumen 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 509, with waste Plastic.	Sqm	2728.810	221.800	605249.77	2727.333	221.800	604922.000	545.730	221.800	121042.910	3274.340	726292.680	545.730	19.999	121042.910	19.999									
9	Track Coat:- Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.25 to 0.3 kg per sqm on the prepared bituminous surface cleaned with Hydraulic broom as per Technical Specification Clause 503.	Sqm	13875.000	12.410	172188.75	10912.500	12.410	135424.000	2225.000	12.410	40598.250	16650.000	212787.000	2225.000	20.000	40598.250	32.500									
10	Semi - Dense Bituminous Concrete :- Providing and laying semi dense bituminous concrete with 100-120 TPH batch type HMP producing and average output of 75 tonnes per hour using crushed aggregate of specified grading, premixed with bituminous binder @4.5 to 5 per cent of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sealer coated to the required grade, level and alignment rolling with smooth wheel, vibratory and tandem rollers to achieve the desired compaction as per M&T specification clause No. 508 complete in all respects.	Cum	346.880	11308.190	3922584.95	272.810	11308.190	3084987.000	60.075	11308.190	78456.880	416.255	4703860.850	60.075	20.000	78456.880	20.000									
11	(Kilometre stone) Reinforced cement concrete M15 grade kilometre stone/local stone of standard design as per IRC-5 fixing in position including painting and printing, etc as per drawing and Technical Specification Clause 1703	Nos	5.000	2207.820	11039.10	5.000	2207.820	11039.000	0.000	2207.820	0.000	5.000	11039.100	0.000	0.000	0.000	0.000									
12	Ordinary Kilometer Stone (Precast)	Nos	15.000	607.990	9119.85	15.000	607.990	9120.000	0.000	607.990	0.000	15.000	9119.850	0.000	0.000	0.000	0.000									
13	Direction and Place Identification Signs with size more than 0.9 sqm size board:- Providing and fixing of retro-reflective cautionary, mandatory and information sign as per IRC-67 made of encapsulated lens type reflective sheeting, 1.5 mm 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 of concrete 450 mm x 450 mm x 600 mm, 600 mm below ground level as per drawings and Technical Specification Clause 1701.	Sqm	1.920	12309.000	23633.28	1.920	12309.000	23633.000	0.000	12309.000	0.000	1.920	23633.280	0.000	0.000	0.000	0.000									

21/11/2022

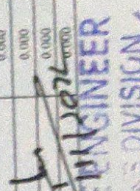
EXECUTIVE ENGINEER

EXECUTIVE ENGINEER
 ROAD WORKS DIVISION
 DISTRICT RISHANGANJ-2
 21/11/2022

ITEM OF WORK		As Per Agreement / Sanctioned Estimate			As Per Work Order (M.R.)			As Per Revised Estimate (M.R.)			Difference in Quantity			Difference in Amount in Rs.			REMARKS		
Unit	Quantity	Rate	Amount (in Rs.)	Quantity	Rate	Amount (in Rs.)	Quantity	Rate	Amount (in Rs.)	Total Qty. (4+10)	Total Amount (6+12)	Difference in Quantity (15-4)	Difference in Amount in Rs. (14-6)	% Difference in Amount (17-100)					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
14	Retro-reflectised Traffic Signs:- Providing and fixing of retro-reflectised cautionary, mandatory and informatory 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, OR	Nos	16,000	3622.580	57961.28	16,000	3622.580	57961.000	0.000	3622.580	0.000	16,000	57961.280	0.000	0.000	0.000	0.000		
15	600 mm circular, OR	Nos	8,000	3719.130	29753.04	8,000	3719.130	29753.000	0.000	3719.130	0.000	8,000	29753.040	0.000	0.000	0.000	0.000		
16	600 mm x 450 mm rectangular, OR	Nos	8,000	3590.010	28720.08	8,000	3590.010	28720.000	0.000	3590.010	0.000	8,000	28720.080	0.000	0.000	0.000	0.000		
17	Planting of Trees and Their Maintenance for One Year:- Planting of trees by the road side (Avenue Trees) in 0.60 m dia Holes, 1 m deep dug in the ground mixing the soil with decayed farm yard sludge manure, planting the saplings, backfilling the trench, watering, fixing the tree guard and maintaining the plants for one year.	Each	185,000	819.920	151685.20	180,000	819.920	147586.000	0.000	819.920	0.000	185,000	151685.200	0.000	0.000	0.000	0.000		
18	Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorizing glass beads @ 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC-35. The finished surface to be level, uniform and free from marks and holes	Sqm	740,000	735.440	544225.60	582,000	735.440	428026.000	0.000	735.440	0.000	740,000	544225.600	0.000	0.000	0.000	0.000		
19	PROVIDING AND FIXING LOGO BOARD Providing and fixing of typical PNGSI informatory sign board with Logo as per MORD specifications and drawing. Two MS Plates of 1.6 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 M-15 grade blocks of 450mm x 450mm x 600mm, 60mm 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 MS will be stove enamelled 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	Nos	4,000	9367.650	37470.60	4,000	9367.650	37471.000	0.000	9367.650	0.000	4,000	37470.600	0.000	0.000	0.000	0.000		
				Sub - Total (A)			8046165.05			1427745.97			9473020.44			1427745.97			183.11
				LABOUR CESS @ 1%			80461.65			14277.00			94759.00			14277.00			2.00
				G.S.T. @ 12%			965539.81			171300.00			1136870.00			171300.00			22.00
				ADD S.F			71463.00			14136.10			93801.19			14136.10			1.81
				Total (A)			9103629.51			1013352.97			10705529.44			1013352.97			207.11
5 YEARS ORDINARY MAINTENANCE COST																			
19	Ist Year	Year	1,000		197416.000	1,000		0.000	0.000		0.000	1,000	197416.000			0.000	0.000		
20	II nd Year	Year	1,000		373248.000	1,000		0.000	0.000		0.000	1,000	373248.000			0.000	0.000		
21	III rd Year	Year	1,000		658757.000	1,000		0.000	0.000		0.000	1,000	658757.000			0.000	0.000		
22	IV th Year	Year	1,000		448432.000	1,000		0.000	0.000		0.000	1,000	448432.000			0.000	0.000		

EXECUTIVE ENGINEER

DRWD, WORKS DIVISION


EXECUTIVE ENGINEER
 DRWD, WORKS DIVISION
 21.11.2024 SHANGANJ-2

Sl. No.	Particulars	Unit	Quantity	Rate	Amount (in Rs.)	Quantity	Rate	Amount (in Rs.)	Quantity	Rate	Amount (in Rs.)	Total Qty. (7+10)	Total Amount (in Rs.) (9+12)	Difference in Quantity (13-4)	% Difference in Quantity (15/4*100)	Difference in Amount in Rs. (14-9)	% Difference in Amount (12/9*100)
1		3			6	7	8	9	10	11	12	13	14	15	16	17	18
23	Vin Year	Year	1.000	1045237.000	1045237.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1045237.00			00.00	00.00
	Sub - Total (B)				2723090.00			0.00					2723090.00			00.00	00.00
	LABOUR CESS @ 1%				27230.90			0.00					27230.90			00.00	00.00
	G.S.T. @ 12%				326770.80			0.00					326770.80			00.00	00.00
	Total (B)				3077091.70			0.00					3077091.70			00.00	00.00
	Grand Total (A+B)							7982130.00					1378962.44			1613359.7	207.11
	Less 0.05% Below of Agreement =							7978137.00					1375730.00			1612546.00	207.00
	Total Cost of Project (in Lakhs)=							7978137.00					1375730.00			1612546.00	207.00

9/11/17

14/11/21
A E

14/11/21

16/11/17

21/11/2021
EXECUTIVE ENGINEER
R/O, WORKS DIVISION
KISHANGANJ-2

14/11/21

Head - MK(3054)

Name of Road - Dalwahatti to Birpur

Length - 3.700 Km

APA Vide Letter No - 3054-04-174173/2109-5519 dt - 21.10.19

APA Amount - 138.023 Lacs (C-90.996 + M+37.927 + E)

Revised Estimate Amount (due to Flood)

Const. cost: -

As per Mb - ₹ 7982130.00
As per damaged due to Flood - ₹ 1613353.00
Less 0.05% below as per quoted rate - ₹ (-) 4797.00
Contingency Nil %
9590685.00 (A)
9589425.00 ✓

Maintar Cost: -

As per agreement (1st to 5th yrs) - ₹ 2722090.00 ₹ 3077091.00
Less 0.05% below as per quoted rate - ₹ 1361.00 ₹ (-) 1538.00
2721729.00 3075553.00 (B)

Total (A+B) - ₹ 12664278.00
= 126.642 Lacs.

126.642 Lacs

TS No. 36/21-22 dt. 3.12.21

Ref S.E. Letter No. 1091 dt. 20.11.2021

Raised Technically Sanctioned for Rs. 126.642 Lacs
(Rupees one crore twenty six Lacs sixty four
six thousand four hundred) only

Technical Sanction does not mean sanction
of rate Instruction given in technical note
should be followed strictly.

3.12.21
ASSISTANT ENGINEER
CE-2 OFFICE
RWD, PATNA

03.12.21
E.E. Chief Engineer-2
CE-2 Rural Works Department
Patna

21/11/2022
EXECUTIVE ENGINEER
RWD WORKS DIVISION
KISHANGANJ-2