

**कार्यपालक अभियन्ता का कार्यालय,
ग्रामीण कार्य विभाग, कार्य प्रमण्डल, मसौढ़ी।**

पत्रांक— 1326 (319) मसौढ़ी, दिनांक 23/12/22

प्रेषक,

कार्यपालक अभियन्ता
ग्रामीण कार्य विभाग, कार्य प्रमण्डल, मसौढ़ी।

सेवा में,

नोडल पदाधिकारी,
MMGSY (SC)
ग्रामीण कार्य विभाग,
बिहार, पटना।

विषय:— शीर्ष MMGSY (SC) अंतर्गत वित्तीय वर्ष 2022-23 के तहत बाढ़ से क्षतिग्रस्त हुए पथों के मोटरेबुल (Temporary Restoration) कार्य का अधियाचना के संबंध में।

महाशय,

उपर्युक्त विषय के संबंध में इस प्रमण्डल के अंतर्गत शीर्ष MMGSY(SC) अंतर्गत वित्तीय वर्ष 2022-23 के तहत बाढ़ से क्षतिग्रस्त हुए पथों के मोटरेबुल (Temporary Restoration) के कार्य हेतु विहित प्रपत्र में पथ-वार निधि की अधियाचना की गई है जिसकी कुल राशि 19,83,911/- रुपये है।

अतः विषयांकित मद में इस प्रमण्डल अन्तर्गत कुल 19,83,911/- (उन्नीस लाख तेरासी हजार नौ सौ एग्राह रुपये) मात्र का आवंटन करने की कृपा की जाये।

विश्वासभाजन

अनु०:— यथोक्त।

कार्यपालक अभियन्ता,
ग्रामीण कार्य विभाग, कार्य प्रमण्डल, मसौढ़ी।

**शीर्ष MMSY(SC) बाढ़ से क्षतिग्रस्त हुए पथों के मोटरबुल
(Temporary Restoration) अन्तर्गत कार्य हेतु अध्याचना प्रपत्र**

कार्य प्रमण्डल का नाम:- ग्रामीण कार्य विभाग, कार्य प्रमण्डल, मसौदी

क्रमांक	योजना का नाम	सर्वेदक का नाम	प्रशासनिक स्वीकृति के अनुसार		एकराशनामा के अनुसार		कार्य पूर्ण करने की तिथि (एकराशनामा के अनुसार)	अब तक प्राप्त आवंटन राशि (लाख में)	अब तक भुगतान की गयी राशि (लाख में)	अधियावित राशि (लाख में)	कार्य की भौतिक स्थिति	अभियुक्ति
			योजना की राशि (लाख में)	स्वीकृति का पत्रांक एवं दिनांक	योजना की राशि (लाख में)	योजना की राशि (लाख में)						
1	2	3	4	5	6	7	8	9	10	11	12	
1	Pothhi Beraipur Path to Parthu Main Road se Mahadalit tola Masaurhi Block Under MMSY(SC)	Sanjay Kumar	164.45400	BRRDA(HQ)-MMSY-603/2017 932 /Patna Date 24.10.2018	169.99097	08.03.2020	120.15626	120.15626	13.09573	कार्य पूर्ण	Supplementary Agreement	
2	Kansar Road to Chakalma In Masaurhi Block Under MMSY(SC)	Sanjay Kumar	58.84500	BRRDA(HQ)-MMSY-78/2018 12 /Patna Date 04.01.2019	70.00013	07.12.2019	51.82200	51.82200	6.74338	कार्य पूर्ण	Supplementary Agreement	
Total			223.29900		239.99110		171.97826	171.97826	19.83911			

कार्यपालक अभियंता
ग्रामीण कार्य विभाग, कार्य प्रमण्डल मसौदी।
18/12/2021

FORM GFR 19-A

(See Government of India's Decision (I) below Rule-150)
Form of Utilization Certificate up to the month of
MMGSY (SC) date 9.12.2022

PIU-

Sl.No	Name of Scheme	Sanction No. & Date with Amount (in Rs. lacs)	Amount Received (in Rs. lacs)	Particulars
1	Construction of Rural roads under MMGSY (SC)	Previous- Bank A/C CFMS Previous- CFMS Allotment Lt. no147 dt.09.09.2020 - Lt. no154 dt.18.09.2020 - Lt. no190 dt.07.12.2020 - Lt. no 07 dt.19.01.2021 - Lt. no13 dt.04.02.2021 - Lt. no29 dt.01.03.2021 - Lt. no47 dt.21.03.2021 - Lt. no80 dt.05.06.2021 - Lt. no161 dt.21.10.2021 - Lt. no169 dt.26.10.2021 - Lt. no218 dt.25.01.2022 - Lt. no258 dt.11.03.2022 - Lt. no279 dt.07.04.2022 - Lt. no. 386 dt 25.11.2022	1936.56728 1989.55652 114.13352 65.69242 20.23024 134.26760 146.60901 65.86874 233.62935 261.37392 0.72915 46.84862 445.21625 22.52121 0.29818 304.16654	Certified that out of Rs. 5787.70855 Lac received during the years 2022-23 in favour of Ex.Engineer, RWD Bihar, Masaurhi a sum of Rs. 5787.62236/- (Lac) has been utilized for the purpose of MMGSY(SC) Schemes as given in the margin for which it was sanctioned and that the Balance of Bank- Rs 0.08619 + CFMS- Rs Nil = Grant Total Rs 0.08619 (Lac) remaining unutilized at the end of the period under.
	Total :		5787.70855	

2. Certified that I have satisfied myself that the conditions on which the grants-in-aid was sanctioned have been duly fulfilled/ are being fulfilled and that I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned.

Kind of Checks exercised :-

- Works have been supervised by Executive Engineer/ Superintending Engineer.
- Periodical inspection has been conducted by Executive Engineer/ Superintending Engineer.
- Construction materials have been tested.
- Measurements have been recorded in the MBs and test check conducted by the Assistant Engineer/ Executive Engineer.
- All other codal formalities have been observed.

3. **Physical Progress achieved :-**

- Construction of Road Works.
- Construction of CD works

D.A.O
 Works Division,
 Rural Works Department, Masaurhi

Executive Engineer,
 Works Division,
 Rural Works Department

Masaurhi

18/12/2022

बिहार सरकार
ग्रामीण कार्य विभाग

पत्रांक:- BRRDA(HQ)MMGSY-208/21 779 आ, /पटना, दिनांक- 10.8.21
प्रेषक,

ई0 अशोक कुमार मिश्रा,
अभियंता प्रमुख।

सेवा में,

मुख्य अभियंता-1,
ग्रामीण कार्य विभाग,
बिहार, पटना।

विषय:- मुख्यमंत्री ग्राम संपर्क योजना (SC) अन्तर्गत कार्य प्रमंडल, मसौदी के अधीनस्थ पथ का नाम "Kansara Road To Chakalma", Length-0.900 Km के पुनरीक्षित प्राक्कलन के कुल-05 (पाँच) मदों की मात्रा में बढ़ोतरी की सहमति के संबंध में।

प्रसंग:- कार्यपालक अभियंता, ग्रामीण कार्य विभाग, कार्य प्रमंडल, मसौदी का पत्रांक-681 अनु0 दिनांक-08.06.2021।

महाशय,

उपर्युक्त विषयक प्रासंगिक पत्र के संदर्भ में आपसे प्राप्त पुनरीक्षित प्राक्कलन के तकनीकी अनुमोदन एवं प्रस्ताव के आलोक में कुल-05 (पाँच) अदद मदों की मात्रा में बढ़ोतरी के संबंध में दिनांक-08.08.2021 को सचिव महोदय की अध्यक्षता में सम्पन्न विभागीय निविदा समिति की बैठक की कार्यवाही की प्रति आपके सूचनार्थ एवं अग्रेतर कार्रवाई हेतु संलग्न कर भेजी जा रही है।

उक्त कार्यवाही की कंडिका 2. विषय एवं प्रस्ताव के संबंध में स्पष्ट करना है कि पथ के निर्माण कार्य हेतु व्यय मूल प्रशासनिक स्वीकृति के विरुद्ध मुख्यमंत्री ग्राम संपर्क योजना (SC) अन्तर्गत विपत्र कोड-37-451500-7890104 से जबकि पंचवर्षीय अनुरक्षण कार्य एवं बाढ़/अतिवृष्टि के कारण पुनर्स्थापन हेतु विभिन्न मदों में बढ़ोतरी के क्रम में आवश्यक व्यय की राशि ₹ 70.197 - 58.845 = ₹ 11.352 लाख (ग्यारह लाख पैंतीस हजार दो सौ रुपये मात्र) का भुगतान 3054- सड़क तथा सेतु अन्तर्गत विपत्र कोड-37-3054-04-105-001 के माध्यम से ही कराना सुनिश्चित किया जाए।

अनु0:- यथोक्त।

विश्वासभाजन

(अशोक कुमार मिश्रा)

अभियंता प्रमुख

09.08.2021

RTI

ज्ञापक:- BRRDA(HQ)MMGSY-208/21 779 /पटना, दिनांक- 10.8.21
प्रतिलिपि:- कार्यपालक अभियंता, ग्रामीण कार्य विभाग, कार्य प्रमंडल, मसौकी/अधीक्षण
अभियंता, ग्रामीण कार्य विभाग, कार्य अंचल, पटना को सूचनार्थ एवं आवश्यक कार्रवाई हेतु
प्रेषित।

(अभियंता प्रमुख)

ज्ञापक:- BRRDA(HQ)MMGSY-208/21 779 /पटना, दिनांक- 10.8.21
प्रतिलिपि:- वित्त प्रबंधक, ब्राडा को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।

(अभियंता प्रमुख)

ज्ञापक:- BRRDA(HQ)MMGSY-208/21 779 /पटना, दिनांक- 10.8.21
प्रतिलिपि:- नोडल पदाधिकारी, शीर्ष 3054 (FDR), ग्रामीण कार्य विभाग, बिहार, पटना
को प्रासंगिक पत्र के संदर्भ में सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।

(अभियंता प्रमुख)

दिनांक- 6.8.21 को विभागीय सचिव, ग्रामीण कार्य विभाग की अध्यक्षता में सम्पन्न विभागीय निविदा समिति की बैठक की कार्यवाही।

- श्री पंकज कुमार पाल, सचिव, ग्रामीण कार्य विभाग।
- श्री अशोक कुमार मिश्रा, अभियंता प्रमुख, ग्रामीण कार्य विभाग।
- श्री आमीर नैय्यर, आन्तरिक वित्तीय सलाहकार, ग्रामीण कार्य विभाग।
- श्री राजीव नयन प्रसाद सिंह, मुख्य अभियंता-1, ग्रामीण कार्य विभाग।

(i) योजना शीर्ष/विपत्र कोड :-

मुख्यमंत्री ग्राम संपर्क योजना (SC)- मुख्यशीर्ष 4515-अन्य ग्राम विकास कार्यक्रमों पर पूंजीगत परियोजना, उपमुख्य शीर्ष-00, लघु शीर्ष-789-ग्राम विकास-उप शीर्ष-0104 (अनुसूचित जाति), विपत्र कोड-37-4515007890104 है।

3054-सड़क तथा सेतु -मुख्यशीर्ष 3054-सड़क तथा सेतु, उपमुख्य शीर्ष-04-जिला तथा अन्य सड़कें, लघु शीर्ष-105-रख-रखाव तथा मरम्मत-उपशीर्ष-0001-ग्राम सड़क- अन्य रख-रखाव व्यय जिसका विपत्र कोड-37-3054-04-105-0001 है। वित्तीय वर्ष 2021-22 के लिए ₹ 2000.00 करोड़ का बजटीय उपबंध प्राप्त है, इसी राशि से अधिकाई परिमाण विपत्र (BOQ) मद की बढ़ोतरी राशि का व्यय विकलनीय होगा।

(ii) योजना का नाम :-MMGSY (SC) अन्तर्गत ग्रामीण कार्य विभाग, कार्य प्रमंडल, मसौढ़ी के अधिनस्थ बाढ़ से क्षतिग्रस्त 01 (एक) अदद योजना, पथ का नाम "Kansara Road To Chakalma", Length-0.900 कि०मी० के निर्माण एवं पंचवर्षीय अनुरक्षण कार्य हेतु कार्यपालक अभियंता, ग्रामीण कार्य विभाग, कार्य प्रमंडल, मसौढ़ी के पत्रांक-581 अनु० दिनांक-08.06.2021 के आलोक में अनुशंसा के अग्रेसरित एवं मुख्य अभियंता-1, ग्रामीण कार्य विभाग, बिहार पटना के द्वारा दिनांक-26.05.2020 को प्रदत्त पुनरीक्षित तकनीकी अनुमोदन के आलोक में Table-'A' एवं 'B' में अंकित विवरणी के अनुसार अधिकाई परिमाण विपत्र (BOQ) मद की स्वीकृति का प्रस्ताव है, जिसकी विवरणी निम्नवत् है :-

Table-A										
Sl No.	Division	Block	Name of Road	Length (In km)	Total Population Served	Original Administrative Approval Amount (In Lakhs)	Reason for Revised DPR	Revised Length (In km)	Revised Technical Approval Amount (In Lakhs)	Increased %age
1	2	3	4	5	6	7	8	9	10	11
1	Masaurhi	Masaurhi	Kansara Road To Chakalma	0.900	600	58.845	मार्च सितम्बर-2019 के दौरान बाढ़ एवं जलविप्लव से यह क्षतिग्रस्त होने के कारण क्षतिग्रस्त पथों में पूर्व के स्वीकृत अनुमोदित मदों एवं दरों के अनुक्रम 10 मी० व्यास का एक अदद (01) हटाने पर पुनः एवं पथों में भिन्नी बरने का प्रस्ताव प्रस्तुत करने के कारण कुल-05 (पाँच) अदद मदों में मूलकर बढ़े 20% से अधिक होने के कारण में अधिकाई परिमाण विपत्र (BOQ) के अनुमोदन का प्रस्ताव है।	0.900	70.197	11.352 Lacs (+)19.29%

सं. द्वारा लिया गया नि

Table-B				As Per Agreement			Work Already Done		Work Done Available after Flood		Work Damaged/Variation Due to Flood		
Sl No	Item No. as per Comparative Statement	Description of Item	Unit	Quantity	Rate (in Rs.)	Amount (in Rs.)	Quantity	Amount (in Rs.)	Quantity	Amount (in Rs.)	In Quantity	In Amount (in Rs.)	In Percentage (%)
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	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 303.1. (Including Royalty & Labour Cess).	Cum	2373.63	194.95	462739.17	1260.00	245637.00	245.000	47762.75	1015.000	197874.250	42.76
2	26	Earth work in excavation for foundation of structures upto 3.0 m depth as per drawing and technical specification clause 1104	Cum	89.4	285.7	25541.58	79.56	22730.00	49.760	14217.00	29.800	8513.000	33.33
3	27	Providing M15 (PCC 1:2.5:5) as levelling course in foundation -- Providing PCC M 15 (1:2.5:5) concrete for plain concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203	Cum	8.88	5806.44	51561.19	7.91	45975.00	4.950	28776.00	2.960	17199.000	33.33
4	28	Plainreinforced cement concrete in substructure complete as per drawings and technical specification Clauses 802, 804, 805, 806, 807, 1202 and 1204 (M20)	Cum	91.83	6398.8	603967.80	78.71	519405.00	44.970	296742.00	33.740	222663.000	36.74
	29	Providing and laying RCC pipe NP-3 for culverts on first class bedding of PCC M10 material in single row including forming collar with cement mortar 1:2 but excluding excavation, protection works, backfilling concrete and masonry works in head walls and parapets as per clause 1106	Cum	22.5	3666.12	82489.95	22.50	82490.00	15.000	54227	7.500	28263.000	33.33

समिति द्वारा की गयी समीक्षा

- (i) सक्षम पदाधिकारी मुख्य अभियंता-1, ग्रामीण कार्य विभाग, पटना द्वारा उपर्युक्त कंडिका-2 (विषय एवं प्रस्ताव) के Table-A के कॉलम-10 में अंकित राशि के लिए पुनरीक्षित तकनीकी अनुमोदन दिनांक-26.05.2020 को प्रदान किया गया है।
- (ii) पथ निर्माण विभाग की अधिसूचना स0-प्र06/द0बि0-नियम-03-02/2004-2016 (s) पटना/दिनांक-07.03.2017 की कंडिका 292 (xviii) (xii) अधिकाई परिमाण विपत्र (बी0ओ0क्यू0) मद का अनुमोदन हेतु प्राप्त शक्तियों की सीमा के आलोक में परिमाण विपत्र मद मात्रा में अधिकतम 20% मद-क्रम वार तक बढ़ोतरी हेतु संबंधितमुख्य अभियंता एवं 20% से अधिक विचलन होने पर प्रधान सचिव/सचिव की अध्यक्षता में गठित विभागीय निविदा समिति की स्वीकृति आवश्यक होगी।
- (iii) उक्त के आलोक में कंडिका 2 (विषय एवं प्रस्ताव) में अंकित योजना के Table 'A' के स्तम्भ-8 में अंकित तथ्य विवरणी के आलोक में Table-'B' के स्तम्भ-3 में अंकित कुल-05 (पाँच) अदद मदों के लिए स्तम्भ-12 एवं 13 में अंकित विचलन अधिकतम अनुज्ञेय सीमा 20% से अधिक होने के क्रम में विभागीय निविदा समिति की स्वीकृति अपेक्षित है।

<p>4 समिति द्वारा लिया गया निर्णय</p>	<p>समीक्षोपरान्त कंडिका-2 में वर्णित मुख्यमंत्री ग्राम संपर्क योजना (SC) अन्तर्गत कार्य प्रमंडल, मसौढ़ी के अधीन 01 (एक) अदद योजना, पथ का नाम "Kansara Road To Chakalma", Length-0.900 कि०मी० के निर्माण एवं पंचवर्षीय अनुरक्षण कार्य हेतु कंडिका 2 (विषय एवं प्रस्ताव) के Table-'A' के स्तम्भ-8 में अंकित तथ्य विवरणी के आलोक में Table-'B' के स्तम्भ-3 में अंकित कुल-05 (पाँच) अदद मदों का स्तम्भ-14 में अंकित विचलन 20% से अधिक होने के क्रम में स्तम्भ-12 में अंकित मद बढ़ोतरी की स्वीकृति प्रदान की जाती है।</p>
---------------------------------------	--

12/8/21
6.8.21
(राजीव नयन प्रसाद सिंह)
मुख्य अभियंता-1,
ग्रामीण कार्य विभाग,
बिहार, पटना।

Amir Nigam
6/8/21
(आमीर नैय्यर)
आंतरिक वित्तीय सलाहकार,
ग्रामीण कार्य विभाग,
बिहार, पटना।

8/8/21
(अशोक कुमार मिश्रा)
अभियंता प्रमुख,
ग्रामीण कार्य विभाग,
बिहार, पटना।

9/8/21
(पंकज कुमार पोल)
सचिव,
ग्रामीण कार्य विभाग,
बिहार, पटना।

Yojana Under MMGSY(SC)

Sanjay Kumar,
Add- Sati Asthan, Ward-21, Po+PS-
masaurhi, Dist-Patna Mob- 9835630580



care free copy

Executive Engineer
R.W.D. Works Div. Masaurhi

Supplementary Agreement

Kansara Road to Chakalma

Supplementary Agreement No.- SBD 95 S.R.D 18-19

Accepted Rate:- Below - 0.27% @

Agreement Value:- 7000013 - 652754520 = 472468200

Start Date:- 08-03-2019

Intended Date of Completion:- 07-12-2019

Executive Engineer
Rural Works Department,
Work Division, Masaurhi

INDIA NON JUDICIAL
Government of Bihar
e-Stamp

Certificate No. : IN-BR26853534415722T
Certificate Issued Date : 16-Dec-2021 02:28 PM
Account Reference : SREIACC (CR)/ brsreic10/ BR-PATART0059/ BR-PAT/ MSH
Invoice Doc. Reference : SUBIN-BRBRBREIC1037139067761741T
Purchased by : SANJAY KUMAR
Description of Document : Not Applicable
Property Description : Not Applicable
Consideration Price (Rs.) : 0 (Zero)
First Party : Not Applicable
Second Party : SANJAY KUMAR
Stamp Duty Paid By : SANJAY KUMAR
Stamp Duty Paid (Rs.) : 1,000 (One Thousand only)
Reg. fee (Rs.) : 0 (Zero)
LLR & P Fee (Rs.) : 0 (Zero)
Miscellaneous Fee (Rs.) : 0 (Zero)
Discore SC (Rs.) : 0 (Zero)
Total Amount (Rs.) : 1,000 (One Thousand only)



This Supplementary Agreement made the day between Executive Engineer, R.W.D. Work Division, Masaurhi (hereinafter called "The employer (First Party) and Sanjay Kumar, Add- Sati Asthan, Ward-21, Po-PS-masaurhi, Dist- Patna Mob- 9835630580 Herein after the contractor of the contractor of the other part)

Where the employer is desirous that the contractor execute Supplementary/Revise BOQ for Road From Kansara Road to Chakalma, (herein after called the work and the employer has accepted the bid by the contractor for rupees 65,27,545 (Sixty Five Lac Twenty Seven Thousand, Five Hundred & Forty Five Only) rupees with is substituted with 70,00,013 (Seventy Lac & Thirteen Rupees Only) as per the revised BOQ sanctioned S.E. RWD Circle Patna vide Letter no. 1348 we dated 03-09-2021

NOW THIS SUPPLEMENTARY AGREEMENT WITNESSES AS FOLLOW:-

1. In this supplementary Agreement, work and expression shall have the same Meaning as are respectively assigned to them in the conditions of contract hereinafter referred to and they shall be deemed to from and be read and construed as part of this Supplementary Agreement.
2. In consideration of the payment to be made by the Employer to the Contractor as hereinafter mentioned, the contractor hereby covenants with the Employer to all aspects with the provisions of the contract.
3. The Employer hereby covenants to pay the contractor in consideration of the Executive and completion of the works and the remedying the defects wherein contract price or such other sum as may become payable under the provision of the contract as the time and in the manner prescribed by the Contract.

Do not write or type below this line

KC 0003154214

अधीक्षण अभियंता का कार्यालय,
ग्रामीण कार्य विभाग, कार्य अंचल, पटना।

पत्रांक- 1348 (31-50)
प्रेषक,

/पटना, दिनांक- 03/09/2021

अधीक्षण अभियंता
ग्रामीण कार्य विभाग
कार्य अंचल, पटना।

सेवामें,

कार्यपालक अभियंता,
ग्रा0का0वि0, कार्य प्रमंडल, मसौढ़ी।

विषय:- शीर्ष एम0एम0जी0एस0वाई0 योजना अन्तर्गत स्वीकृत कुल 02 (दो) अदद पथ के निर्माण/मरम्मत कार्य के पुनरीक्षित परिमाण विपत्र अनुमोदन के संबंध में।

प्रसंग:- आपका पत्रांक-953 अनु0, दिनांक-01.09.2021
महाशय,

उपर्युक्त विषयक प्रासंगिक पत्र द्वारा प्राप्त कुल 02 (दो) अदद पथों का पुनरीक्षित परिमाण विपत्र अनुमोदन कर वापस की जाती है। सभी पृष्ठ अनुमोदित है। पुनरीक्षित एकरारनामा का दर मूल एकरारनामा के दर के समान होगा। अपने स्तर से भी अनुमोदित पुनरीक्षित परिमाण विपत्र की जांच कर ली जाय। त्रुटि दृष्टिगोचर होने पर इसका समाधान के पश्चात् ही पुरक एकरारनामा किया जाय।

क्रमांक	योजना का नाम	पुनरीक्षित परिमाण विपत्र की राशि (रुपया में)	प्रशासनिक स्वीकृति की राशि (निर्माण, अनुरक्षण, एवं आकस्मिक कार्य) (लाख में)	पुनरीक्षित तकनीकी स्वीकृति की राशि (निर्माण एवं, अनुरक्षण, कार्य) (लाख में)
1.	Kansara Road to Chakalma" MMGSY (SC)	Rs. 70,18,964.00	58.845	70.197
2.	Berra PMGSY Road to Balaitha MMGSY (GEN)	Rs. 71,80,812.00	62.996	71.807

अनु0-यथोक्त।

विश्वासभाजन

-Amrinder
31/9/2021

अधीक्षण अभियंता

ग्रामीण कार्य विभाग, कार्य अंचल, पटना

21/9/21

अधीक्षण
समिति
मे
10/9

222
11/9/21

MMGSY (SC)
SUPPLEMENTARY BOQ

SUPPLEMENTARY / REVISED BOQ OF ROAD Kansara Road to Chakalma

Sl. No.	Item Of Works	Unit	Qty.	Rate	Amount	Remarks
1	2	3	4	5	6	13
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	Km	0.900	13438.62	12094.76	
2	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 lead of 1000 m including removal and disposal of top organic soil not exceeding 150mm in thickness as per technical specification clause 201.1 and direction of E/I	ha	0.630	49809.13	31380.00	
3	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 Tables 300.1 and 300.2 with a lead upto 1000 m & 100 m as per Technical Specification Clause 301.5 For 1000 mm lead	Cum	248.930	194.95	48528.90	
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 Tables 300.1 and 300.2 with a lead upto 1000 m & 100 m as per Technical Specification Clause 301.5 For 100 mm lead	Cum	1249.640	151.50	189320.46	
5	Construction of Subgrade and Earthen Shoulders with Rotavator to achieve minimum soaked CBR value 6% 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 as per Technical Specification Clause 303.1.	Cum	3388.630 3234.53	194.95	660013.42 630465.3	
6	For Grading I Material (By mix in place method) Construction of granular sub-base by providing well graded material, (Crushed Stone Aggregates and coarse sand) spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with three wheel 80-100kN static roller capacity to achieve the desired density, complete as per Technical Specification Clause 401.	Cum	660.960	2244.78	1483709.79	

[Signature]
01/05

[Signature]
11/9

[Signature]

Sl. No.	Item Of Works	Unit	Qty.	Rate	Amount	Remarks
1	2	3	4	5	6	13
7	Water Bound Macadam with Stone Screening Gr - III 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.	Cum	229.500	3258.35	747791.33	
8	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 0.90- 1.2 kg/sqm using mechanical means as per Technical Specification Clause 502.	Sqm	3060.000	54.80	167688.00	
9	Providing and applying tack coat with bitumen emulsion using emulsion pressure distributor at the rate of 0.25 to 0.30 kg per sqm on the prepared granular surface treated with Primer and cleaned with hydrilloc broom as per technical specification clause 503.	Sqm	3060.000	19.51	59700.60	
10	Mixed Seal Type-B	Sqm	3060.000	223.41	683634.60	
11	For Grading I Material (By mix in place method) Construction of granular sub-base by providing well graded material, (Crushed Stone Aggregates and coarse sand) spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with three wheel 80-100kN static roller capacity to achieve the desired density, complete as per Technical Specification Clause 401.	Cum	38.250	2244.78	85862.84	
12	Water Bound Macadam with Stone Screening Gr - III 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.	Cum	28.690	3258.35	93482.06	
13	Construction of un-reinforced, dowel jointed at expansion and construction joint only, 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, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the formwork 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/culvert and construction joints, admixtures as approved, curing of concrete slabs for 14-days, using curing compound (where specified) and water finishing to lines and grade as per drawing and Technical Specification Clause 1501	Cum	61.200	7547.05	461879.46	

Sl. No.	Item Of Works	Unit	Qty.	Rate	Amount	Remarks
1	2	3	4	5	6	13
14	Laying brick soling layer on prepared sub-grade with brick on end edging according to lines, graded and cross-section shown on the drawing filling joints with sand and earth, spreading 25 mm thick layer of earth over brick soling, watering and rolling the same with three wheel road roller 80-100 kN as per Technical Specification Clause 412	Sqm	75.000	563.74	42280.50	
15	Reinforced cement concrete M15 grade kilometre local stone of standard design as per IRC:8 fixing in position including painting and printing, etc as per drawing and technical specification clause 1703.	Nos	2.000	2421.16	4842.32	
	(i) km stone					
16	(ii) 200 m stone	Nos	4.000	684.00	2736.00	
17	Reinforced cement concrete M15 grade boundary pillars/ local stone of standard design as per IRC:25 fixing in position including finishing and lettering but excluding painting as per drawing and technical specification clause 1704.	Nos	80.000	509.96	40796.80	
18	Traffic sign : Providing and fixing of semi reflective cautionary, mandatory and informatory sign board as per IRC :67 made of 1.5 mm thick MS steel duly stove 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 47mmx47mmx12swg sheet tube firmly fixed to the ground by mean of properly designed foundation with M15 grade cement concrete 450x450x600 mm, 600mm below ground level as per approved drawing clause 1701.2.2. 600 mm circular	Nos	6.000	5297.99	31787.94	
19	600 mm equilateral & triangle, (left, right, Curve)	Nos	4.000	3902.67	15610.68	
20	600 mm x 450 mm rectangular (School & Place)	nos	2.000	5155.16	10310.32	
21	Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising 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 streaks and holes.	Sqm	160.000	851.80	136288.00	
22	Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising 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 streaks and holes. Providing and laying 2 coats of water based cement paint to unplastered concrete surface after cleaning the surface of dirt, dust, oil, grease, efflorescence and applying paint @ 1 litre for 2 sqm	Sqm	20.000	884.06	17681.20	

Sl. No.	Item Of Works	Unit	Qty.	Rate	Amount	Remarks
1	2	3	4	5	6	13
23	Providing and laying of a reinforced cement concrete pipe duct, 300 m dia, across the road (new construction) extending from drain to drain in cuts and toe of slope to toe of slope in fills, constructing head walls at both ends, providing a minimum fill of granular material over top and sides of RCC pipe as per IRC 98:1997 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 above higher than ground level to prevent entry of water and dirt as per IRC 98-1997 and approved drawings.	RM	30.000	990.29	29708.70	
24	Direction and place identification signs up to 0.9 sqm size board : Providing and erecting direction and place identifications of semi reflective sign boards as per IRC:67 made of 2 mm thick M.S. Sheet duly stove enameled paint in white colour in front and grey colour on back with red reflective border of 70 mm width and required message, letters, figures with reflective engineering grade tape as per MORD specifications of required shade and colour. Supported and welded on 47 mm x 47mm of 12 SWG Square tube of 3050 mm height duly strengthened by 25 mm x 5 mm M/s flat iron on edges on back firmly fixed to the ground by means of properly designed foundations with M-15 grade cement concrete 450 mm x 450 mm x 600 mm, 600 mm below ground level as per approved drawing and Technical Specification Clause 1701	Nos	1.000	13550.16	13550.16	
25	Providing and fixing of typical MMGSY informatory 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	Nos	4.000	13807.30	55229.20	
26	Earth work in excavation for foundation of structures upto 3.0 m depth as per drawing and technical specification clause 1104	Cum	119.198	285.70	34054.87	
27	Providing M15 (PCC 1:2.5:5) as levelling course in foundation :- Providing PCC M 15 (1:2.5:5) concrete for plain concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203	Cum	11.842	5806.44	68759.86	

Sl. No.	Item Of Works	Unit	Qty.	Rate	Amount	Remarks
1	2	3	4	5	6	13
28	Plain/Reinforced cement concrete(M-20) in substructure complete as per drawings and technical specification Clauses 802, 804, 805, 806, 807, 1202 and 1204	Cum	125.573	6598.80	828631.11	
29	Providing and laying RCC pipe NP-3 for culverts on first class bedding of PCC M10 material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling concrete and masonry works in head walls and parapets as per clause 1106	m	30.000	3668.22	109986.60 109986.60 110743	
30	Painting two coats including primer coat after filling the surface with synthetic enamel paint in all shades on new, plastered / concrete surfaces as per drawing and Technical Specification Clause 1701	Sqm	348.720	110.69	38599.82	
	Construction of Cost - (A)				6206540.29 6206540.29	6207301
31	Maintenance for 1st year	Year	1.00	62868.00	62868.00	
32	Maintenance for 2nd year	Year	1.00	82087.00	82087.00	
33	Maintenance for 3rd year	Year	1.00	255020.00	255020.00	
34	Maintenance for 4th year	Year	1.00	119844.00	119844.00	
35	Maintenance for 5th year	Year	1.00	292805.00	292805.00	
	5 Yr. Maintenance Cost - (B)				812424.00	
	Total Cost of Project (A+B)				7018964.3	

= 7018964.3

Q
01/9

Executive Engineer
Rural Work Department
Works Division, Masaurhi

Revised

Bill of Quantity Approved as corrected for Item No.

① to ③⑤ for Rs. 7018964.00 (Rupees Seventy Lacs
Eighteen thousand nine hundred and sixty four only)

Including Five Years Maintenance.

Estimator
R.W.D.
Works Circle, Patna

लघुनिकी सहायक
ग्रामीण कार्य विभाग
कार्य अंचल, पटना

Superintending Engineer
R.W.D. WORKS CIRCLE, PATNA



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

4

HEAD : FDR

REVISED ESTIMATE

**NAME OF ROAD : KANSARA ROAD TO
CHAKALMA**

**STATE :- BIHAR
DIST : PATNA
BLOCK : MASOURHI**

TOTAL LENGTH : 0.900 KM

REVISED TOTAL COST OF PROJECT : 72.341 LAKH

**SUBMITTED BY:
EXECUTIVE ENGINEER
RWD, WORKS DIVISION, MASOURHI**

Mukhya Mantri Gram Sampark Yojna (MMGSY)

FORMAT F-5

YEAR (2018 - 2019)

GENERAL ABSTRACT OF COST

Block:--Masaudhi

District:--Patna

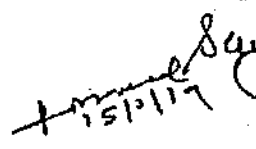
Length of Road:-- 0.900 KM

Name of Road:-- Kansara Road to Chakalma

A.A.R. 58.745

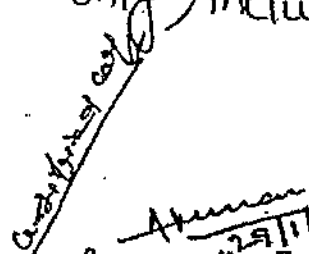
SL. No.	Item of Work	Amount
A	TOTAL COST OF CONSTRUCTION	5732796 54.885 Lakhs
B	FIVE YEAR MAINTENANCE COST	812424 7.467 Lakhs
C	CONTINGENCY 2.25% OF TOTAL COST OF CONSTRUCTION	128988 1.235 Lakhs
TOTAL		6674208 63.587 Lakhs


13/01/19
Junior Engineer


15/1/19
Asstt. Engineer


15-1-19
Executive Engineer

Technically Sanctioned for Rs. 66.742 lac (Rupees Six lakh Seventy four thousand and two hundred only) including five year maintenance cost.


29/1/19
Superintending Engineer
R.W.D. WORKS CIRCLE, PATNA

तकनीकी सलाहकार
ग्रामीण कार्य विभाग
कार्य अंचल, पटना

Superintending Engineer
R.W.D. WORKS CIRCLE, PATNA

Prepared By:--Falak Associates Pvt. Ltd., Near Gandhi Murti, Punaichak, Patna -

QUANTITY FOR NEW H.P. CULVERT

Proposed and New H.P. Culvert
Internal Diameter
No. of Rows

nos
1000 mm
1 nos

SOR Item No	Description of Items	Unit	Qty	Rate (₹)	Amount (₹)
9.1 / 11.1	Earth work in excavation for foundation of structures upto 3.0 m depth as per drawing and technical specification clause 1104				
	H.W 2 x 6.450 x 1.400 x 1.500 = 27.090				
	Below Pipe 1 x 4.850 x 1.530 x 0.365 = 2.708				
	29.798 cum		29.798	285.70	8,513.00
11.4 (U)	Providing M15 (PCC 1:2.5:5) as levelling course in foundation :- Providing PCC M 15 (1:2.5:5) concrete for plain concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203				
	H.W 2 x 6.450 x 1.400 x 0.150 = 2.709				
	Below Pipe 1 x 4.931 x 1.530 x 0.250 = 1.886				
	Less for pipe 0.250 x 0.7857 x 1.230² x 5.496 = -1.633				
	2.962 cum		2.962	5,806.44	17,199.00
12.5	Providing M20 (PCC 1:2:4) in substructure:- Plain/reinforced cement concrete in substructure complete as per drawings and technical specification Clauses 802, 804, 805, 806, 807, 1202 and 1204.				
	H.W 2 x 6.150 x 0.825 x 3.180 = 32.269				
	Parapet 2 x 6.150 x 0.400 x 0.600 = 2.952				
	Less for pipe 2 x 0.7857 x 1.230² x 0.622 = -1.478				
	33.743 cum		33.743	6,598.80	2,22,663.00
9.3 (B)	Providing and laying RCC pipe NP-3 for culverts on first class bedding of PCC M10 material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling concrete and masonry works in head walls and parapets as per clause 1106				
	3 x 2.50 = 7.50				
	7.50 m		7.500	3,768.41	28,263.00
	COST OF ONE HP CULVERT Size (1000mm x Single Row) Rs.				2,76,638.00
	Construction of Subgrade and Earthen Shoulders				
	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 as per Technical Specification Clause 303.1.				
	2 x 900 x 0.75 x 1.5 = 2025				
	1 x 50 x 3 x 0.6 = 90				
	2115 m3		2115	194.95	412319.25
	TOTAL			Rs	688957.25

WORKS DIVISION
MASAURHI

FDR WORKS TO ROAD FROM Kansara Road to Chakalma

Sl. No.	Item Of Works	Qty as per Agreement			Work Already Done		Work Done Available after Flood		Work Damaged Due to Flood		Total amount	
		Qty.	Rate	Amount	Qty.	Amount	Qty.	Amount	Qty.	Amount		
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.	0.8	13438.82	12094.758	0.90	12094.000	0.90	12098.00	—	—	12094.758	
2	Clearing and Grubbing Road Land (By manual means) including uprooting wild vegetation, grass, bushes, shrubs, saplings and trees of girth upto 300mm, removal of stumps of such trees cut earlier & disposal of unserviceable materials & stacking of serviceable materials to be used or auctioned upto a lead of 1000 m including removal and disposal of top organic soil not exceeding 150mm in thickness as per technical specification clause 201.1 and direction of E.I.	0.83	49809.13	31380.00	0.83	31380.000	0.83	31380.00	—	—	31380.00	
3	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 Tables 300.1 and 300.2 with a lead upto 1000 m & 100 m as per Technical Specification Clause 301.6 For 1000 mm lead	248.97	194.95	48528.90	234.69	45733.000	234.69	45733.00	—	—	48528.90	
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 Tables 300.1 and 300.2 with a lead upto 1000 m & 100 m as per Technical Specification Clause 301.6 For 100 mm lead	1250	151.6	189320.46	836.35	142185.000	836.35	142185.00	—	—	189320.46	
5	Construction of Subgrade and Earthen Shoulders with Rotavator to achieve minimum soaked CBR value 8% 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 as per Technical Specification Clause 303.1.	2374	184.85	462739.168	1260.00	245837.000	-855.00	-159882.00	2115.00	412319.00	875048.1685	

1	2	3	4	5	6	7	8	9	10	11	12
Item Of Works	Qty	Rate	Amount	Qty	Amount	Qty	Amount	Qty	Amount		
6 For Grading I Material (By mix in place method) Construction of granular sub-base by providing well graded material, (Crushed Stone Aggregates and coarse sand) spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with three wheel 80-100kN static roller capacity to achieve the desired density, complete as per Technical Specification Clause 401.	851	2244.78	1463709.78	436.00	1000963.00	436.00	1000963.00				1463709.78
7 Water Bound Macadam with Stone Screening Gr - III 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.	280	8255.36	747781.32								747781.32
8 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 0.90- 1.2 kg/sqm using mechanical means as per Technical Specification Clause 502	3080	54.8	167688				0.00	0.00			167688
9 Providing and applying tack coat with bitumen emulsion using emulsion pressure distributor at the rate of 0.25 to 0.30 kg per sqm on the prepared granular surface treated with Primer and cleaned with hydrilic broom as per technical specification clause 503	3080	19.61	60400.8				0.00	0.00			60400.8
10 Mixed Seal Type-B	3080	223.41	688094.8				0.00	0.00			688094.8
11 For Grading I Material (By mix in place method) Construction of granular sub-base by providing well graded material, (Crushed Stone Aggregates and coarse sand) spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with three wheel 80-100kN static roller capacity to achieve the desired density, complete as per Technical Specification Clause 401.	383	2244.78	85962.835				0.00	0.00			85962.835

3972450.49

4/12/31/17 4384769.459

Item Of Work	Qty	Rate	Amount	Qty	Amount	Qty	Amount	Qty	Amount	
2	3	4	5	6	7	8	9	10	11	12
12 Water Bound Macadam with Stone Screening Gr - III 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 the interstices of coarse aggregate, watering and compacting to the required density Grading 3 as per Technical Specification Clause 405.	6.97 36.7	3258.35	93482.0615			0.00	0.00			93482.0615
13 Construction of unreinforced, dowel jointed at expansion and construction joint only, 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, drying and fanning of 125 micron thick polythene film, wedges, steel plates including leveling the formwork as per drawing), spreading the concrete with shovels, rakes, compacted using needle, screed and plate vibrator and finished in continuous operation including provision of contraction and expansion construction joints, applying bonding course, primer, sealant, dowel bars, near approaches to bridge/pier and construction joints, accessories as approved, curing of concrete slabs for 14 days using curing compound (where specified) and water finishing to lines and grade as per drawing and Technical Specification Clause 1501	61.2	7547.06	461870.48			0.00	0.00			461870.48
14 Laying brick soling layer on prepared sub-grade with brick on and edging according to lines, graded and cross-section shown on the drawing filling joints with sand and earth, spreading 25 mm thick layer of earth over brick soling, watering and rolling the same with three wheel road roller 80-100 kN as per Technical Specification Clause 412	75	563.74	42280.5			0.00	0.00			42280.5
15 Reinforced cement concrete M15 grade kilometre local stone of standard design as per IRC:8 found in position including panning and printing, etc as per drawing and technical specification clause 1703	5	2421.16	4842.32			0.00	0.00			4842.32

No	Item Description	Qty	Rate	Amount	Qty	Amount	Qty	Amount	Qty	Amount		
1	2	3	4	5	6	7	8	9	10	11	12	
16	(B) 200 m stone	47	684	2736			0.00	0.00			2736	
17	Reinforced cement concrete M15 grade boundary pillars/ local stone of standard design as per IRC 25 fixing in position including finishing and lettering but excluding painting as per drawing and technical specification clause 1704	80	509.95	40796.8			0.00	0.00			40796.8	
18	Traffic sign : Providing and fixing of semi reflective cautionary mandatory and informational sign board as per IRC 57 made of 1.5 mm thick MS steel duly stove 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 47mmx47mmx12swg sheet tube firmly fixed to the ground by mean of properly designed foundation with M15 grade cement concrete 450x450x800 mm, 600mm below ground level as per approved drawing, clause 1701.2.2	8	5207.99	31787.94			0.00	0.00			31787.94	
19	600 mm square/rectangle & triangle, (left, right, Curve)	4	3902.87	15610.88			0.00	0.00			15610.88	
20	600 mm x 450 mm rectangular (School & Place)	2	6186.16	12372.32			0.00	0.00			12372.32	
21	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 streaks and holes	180	851.6	153288			0.00	0.00			153288	
22	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 streaks and holes						0.00	0.00			17981.2	
	Providing and laying 2 coats of water based cement paint to unplastered concrete surface after cleaning the surface of dirt, dust, oil, grease, efflorescence and applying paint @ 1 lit/ltr for 2 sqm	20	884.06	17681.2			0.00	0.00			17681.2	

4830145.72

412319.00
1222464.72

1	2	3	4	5	6	7	8	9	10	11	12
Item No.	Item Description	Qty.	Rate	Amount	Qty.	Amount	Qty.	Amount	Qty.	Amount	
23	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 to toe of slope in fills, constructing head walls at both ends, providing a minimum fill of granular material over top and sides of RCC pipe as per IRC 88:1997 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 above higher than ground level to prevent entry of water and dirt as per IRC 88-1997 and approved drawings.	30	920.29	27608.7		0.00		0.00			27608.7
24	Direction and place identification signs up to 0.9 sqm size board: Providing and erecting direction and place identifications of semi reflective sign boards as per IRC:67 made of 2 mm thick M.S. Sheet duly above enameled paint in white colour in front and grey colour on back with red reflective border of 70 mm width and required message, letters, figures with reflective engineering grade tape as per MORD specifications of required shade and colour. Supported and welded on 47 mm x 47mm of 12 SWG Square tube of 3050 mm height duly strengthened by 25 mm x 8 mm M/s flat iron on edges on back firmly fixed to the ground by means of properly designed foundations with M-15 grade cement concrete 450 mm x 450 mm x 600 mm, 600 mm below ground level as per approved drawing and Technical Specification Clause 1701	1	13550.16	13550.16		0.00		0.00			13550.16

4873104.53

412314.00

5245723.86

No.	Item Of Works	Bidding			Bidding			Bidding				
		Qty.	Rate	Amount	Qty.	Amount	Qty.	Amount	Qty.	Amount		
1	2	3	4	5	6	7	8	9	10	11	12	13
25	Providing and fixing of typical MMSY Informatory 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 SVVG sheet tubes posts duly embedded in cement concrete M-15 grade blocks of 450mm x 450mm x 800mm, 600mm below ground level. The top most diamond plate will be welded to middle plate by 47mm x 47mm of 12 SVVG 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 color and colour. All sections of framed posts and steel will be painted with primer and two coats of epoxy for drawing Clause 1701 and Annexure 1700.1										55229.2	
27	Providing and fixing of foundation of structures upto plain concrete drawing and technical specification drawings and (1:2.5:5) as levelling course in 1202 & 1203	4	13507.3	55229.2	2.00	27616.000	2.00	27616.00				34054.88
28	Plain/Reinforced concrete complete as per drawings Clause 802, 803, 804, 805, 806, 807	89.4	285.7	25641.88	79.88	22730.000	49.78	14217.00	28.80	8513.00	88780.1872	
29	Providing and laying RCC pipe (2) in substructure class bedding of PCC M10 material as per specification fixing collar with cement mortar on first masonry works in head walls and parapets as per drawing 1102	8.88	5806.44	51681.1872	7.91	45976.000	4.88	28776.00	2.98	17188.00	82830.804	
30	Painting two coats including primer coat after filling surface with synthetic enamel paint in all shades on new plastered / concrete surfaces as per drawing and Technical Specification Clause 1701	91.6	6598.8	605987.804	78.71	619408.000	44.87	298742.00	33.74	222883.00	110752.85	
31	Maintenance for 1st year	349		82488.95	22.60	82490.000	16.00	54227.00	7.50	28263.00	34599.8188	
		1.000	62658	62658.00		2285188.00		1677231.06		883357.00	642435.117	
				62658.00							62658.00	

1	2	Qty.	Rate	Amount	Qty.	Amount	Qty.	Amount	Qty.	Amount	12
32	Maintenance for 2nd year			82087.00							82087.00
33	Maintenance for 3rd year	1.000	255020.00	255020.00							255020.00
34	Maintenance for 4th year	1.000	119844.00	119844.00							119844.00
35	Maintenance for 5th year	1.000	292605.00	292605.00							292605.00
	5 Yr. Maintenance Cost			812424.00							812424.00
	Total Cost of Project			865527.00							865527.00

Junior Engineer
Rural Work Department
Works Division, Muzaffarpur

655452
655452

Assistant Engineer
Rural Work Department
Works Division, Muzaffarpur

Executive Engineer
Rural Work Department
Works Division, Muzaffarpur = 723475.117
723475.117

Estimator
R.W.D.
Works Circle, Patna

प्रारम्भिक, पदाधिकारी
आजीवन कार्य विभाग
कार्य अंचल, पटना

हस्तलिखी सलाहकार
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