

कार्यपालक अभियंता का कार्यालय,

ग्रामीण कार्य विभाग, कार्य प्रमण्डल, धमदाहा।

पत्रांक.....644.....

धमदाहा/दिनांक.....27/4/22

प्रेषक:-

कार्यपालक अभियंता
ग्रामीण कार्य विभाग,
कार्य प्रमण्डल, धमदाहा।

सेवा में,

नोडल पदाधिकारी MR(3054),
ग्रामीण कार्य विभाग,
बिहार पटना।

विषय:-शीर्ष MR(3054) नई अनुरक्षण निति 2018 मरम्मति एवं सम्पोषण योजना मद में राशि आवंटित करने के संबंध में।

महाशय,

उपर्युक्त विषय के संबंध में कहना है कि शीर्ष MR(3054) नई अनुरक्षण निति 2018 मरम्मति एवं सम्पोषण योजना मद में इस प्रमण्डल अन्तर्गत राशि की आवश्यकता है।

अतः अनुरोध है कि अधियाचित राशि आवंटित करने की कृपा की जाय।

अनु० यथोक्त।

विश्वासभाजन

अधियाचना कि प्रति(मुल में)

26.04.22
कार्यपालक अभियंता

ग्रामीण कार्य विभाग,

कार्य प्रमण्डल, धमदाहा

26/04/2022

S No	Packaging No	Name of Road	Project ID as per MIS	Actual Survey Approval (AA) Letter No & Date	Agreement Approval (in Lakh)	Agreement Amount (in Lakh)	Agreement No & Date	Date of Completion as per Agreement	Actual Date of Completion	Value Of Bill (in million)	Tenures of Bill (in MM)	Value of Bill (in MM)	Previous Tenure Approved (in Years)	Estimated Cost as per Bill (in Lakh)	Revised Bill as per Bill (in Lakh)	Remarks		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1	2	BHATOTAR HIGH SCHOOL TO SUSHENNA	21100202100	1845024 05 2 C19	1.50	63.665	49.08600	11.204	14/04/2019 20	21.06.2020	25.03.2022	3.43	SCMM R/W 25 MM S D B C	3.3 BM / 5.0 MM SBBC	C CORRD	C	48.47951	
		TOTAL RS			1.50000	63.66500	49.08600	11.20400						0.00000	0.00000	48.47951		

1 SIGNED HARD COPY & SOFT COPY (IN EXCEL) OF RECORDED IRI IS ENCLOSED

SR DIVISIONAL ACCOUNTS OFFICER,
RURAL WORKS DEPARTMENT
WORKS DIVISION, DHANDARA, PURNIA

RURAL WORKS DEPARTMENT

26/04/2022

OFFICE OF THE EXECUTIVE ENGINEER
RWD, WORKS DIVISION , DHAMDAHA, PURNEA

NAME OF ROAD- BHATOTAR H.S. TO SUKHSENA

NAME OF SCHEME- MR 3054 (NEW MAINTENANCE POLICY-2018)

NAME OF CONTRACTOR/AGENCY- ADITYA KUMAR SINGH

LENGTH OF ROAD- 1.500 KM

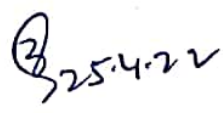
PROJECT ID 21105202193

AGREEMENT NO - 31/MBD/2021-22 SUPPLEMENTRY AGREEMENT)

NAME OF BLOCK- BARHARA KOTHI

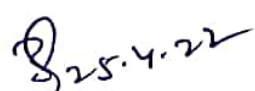
CERTIFIED THAT ALL ITEM
WISE 100%
MEASUREMENT HAS BEEN
TAKEN BY ME


CERTIFIED THAT ALL ITEM WISE
50% MEASUREMENT HAS BEEN
TAKEN BY ME


CERTIFIED THAT ALL ITEM WISE
10% MEASUREMENT HAS BEEN
TAKEN BY ME

JUNIOR ENGINEER
RWD, WORKS SECTION
B. KOTHI, WORKS DIVISION
DHAMDAHA, PURNEA


ASSISTANT ENGINEER
RWD, WORKS SUB DIVISION
B. KOTHI, WORKS DIVISION
DHAMDAHA, PURNEA


EXECUTIVE ENGINEER
RWD, WORKS DIVISION
DHAMDAHA, PURNEA

Lab Job number :63(RWD DHAMDAHA)

Date :25-04-22

Name of Customer :ADITYA KUMAR SINGH

Name of Work/ Road :BHATOTAR H.S. TO SUKHEENA

Sr.no Location of Corrected U.I Road category
test(In km) value(mm/km)

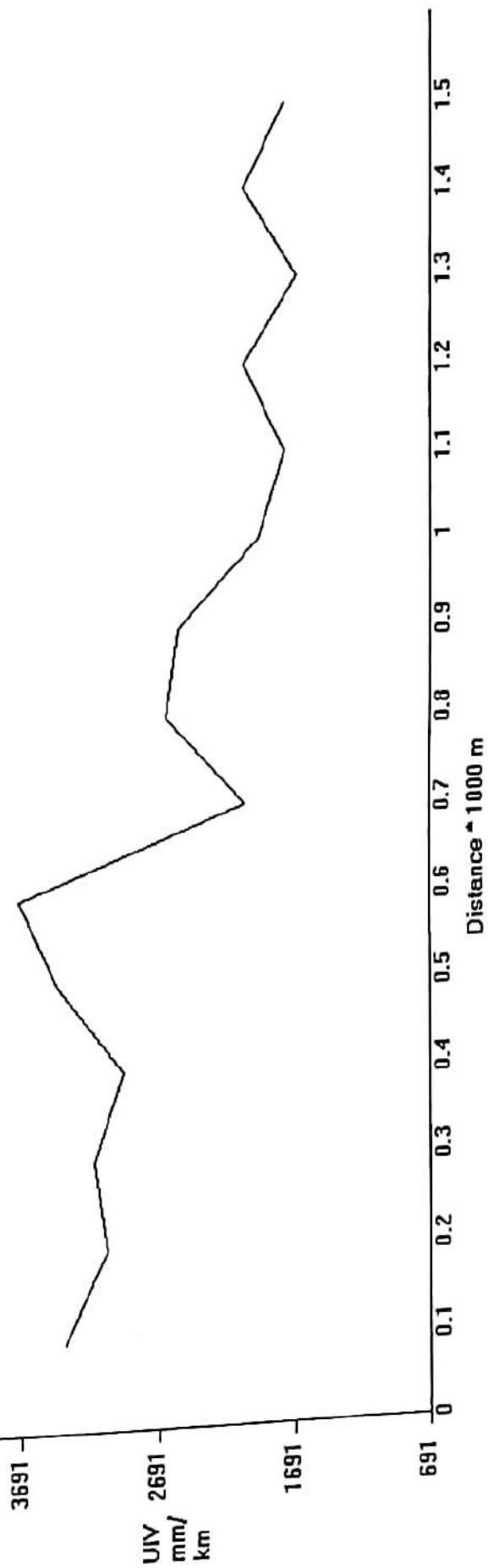
219	0.1	3364 G
220	0.2	3069 G
221	0.3	3167 G
222	0.4	2970 G
223	0.5	3462 G
224	0.6	3757 G
225	0.7	2085 G
226	0.8	2675 G
227	0.9	2577 G
228	1	1986 G
229	1.1	1789 G
230	1.2	2085 G
231	1.3	1691 G
232	1.4	2085 G
233	1.5	1789 G
AVERAGE		2570.06

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25/04/22
AC

Handwritten signature
25-04-22

File :H:\25041843.Xls. Section No.:17, Eqn :test

Name of Customer :ADITYA KUMAR SINGH, Name of Work/ Road :BHATOTAR H.S. TO SUKHSENA Lab Job



25.04.22

25/4/22
AXE

Date	Time	Section No.	Length in km	Bumps in mm	Speed Rate	OR mm/km	UTV	TEGORY ROAD	IRI	Latitude	ongitude	Event
25/4/22	13:49:28	17	0.1	290	0	2900	3364 G		4.46	25.78148	87.1003	Normal
25/4/22	13:49:28	17	0.1	260	20.2	2600	3069 G		4.11	25.78236	87.10051	Normal
25/4/22	13:50:3	17	0.1	270	20.2	2700	3167 G		4.22	25.78315	87.10106	Normal
25/4/22	13:50:3	17	0.1	250	20.2	2500	2970 G		3.99	25.7839	87.10162	Normal
25/4/22	13:50:38	17	0.1	300	10.1	3000	3462 G		4.57	25.78462	87.10219	Normal
25/4/22	13:51:13	17	0.1	330	10.1	3300	3757 G		4.92	25.78522	87.10295	Culvert
25/4/22	13:51:13	17	0.1	160	10.1	1600	2085 G		2.91	25.78546	87.1038	Normal
25/4/22	13:51:49	17	0.1	220	20.2	2200	2675 G		3.63	25.78579	87.10475	Normal
25/4/22	13:52:0	17	0.1	210	20.2	2100	2577 G		3.51	25.78635	87.10554	Normal
25/4/22	13:52:0	17	0.1	150	20.2	1500	1986 G		2.78	25.78719	87.10574	Normal
25/4/22	13:52:24	17	0.1	130	20.2	1300	1789 G		2.54	25.78807	87.10584	Normal
25/4/22	13:52:24	17	0.1	160	30.3	1600	2085 G		2.91	25.78893	87.10593	Normal
25/4/22	13:53:0	17	0.1	120	20.2	1200	1691 G		2.41	25.7899	87.10603	Normal
25/4/22	13:53:0	17	0.1	160	20.2	1600	2085 G		2.91	25.79072	87.10613	Normal
25/4/22	13:53:0	17	0.1	130	20.2	1300	1789 G		2.54	25.7914	87.10665	Normal
							Average	2570.06				

$$Y = 0 \cdot X^2 + 0.984 \cdot X + 510.70$$

$$X = 2500$$

$$Y = 2970$$

(R) RURAL ROAD
Good <4000
Average 4001-5000
Poor >5001

25.04.22

25/4/22

Ag. No. - 14/MOP/241-20
Sch. XLV-Form No. 134
Date - 05/14/2019

Dhamdaha DIVISION
Brahma Kathi SUB-DIVISION

MR-M/19-20 Dhamdaha / 04
(Bhatnagar H.S. to Sukseema)

Aditya Kumar Singh

Measurement Book

No. - 1461

प्रमाणित किया जाता है कि इस मापी
पुस्तक में उल्लिखित 100 पन्नों में 25 पन्नें
मापी पुस्तक अवर लमपुस ल बदाधि गरी
कइतरा कोली है मापी निरीत किया
जाता है।

Name of officer

Date of first entry

Date of last entry

Executive Engineer

Rural Works Department

Works Division, Dhamdaha (Punjab)

05/14/19

08/03/2022

Name of work -
 Situation of work -
 Agency by which work is executed -
 Date of measurement -
 No. and date of agreement.

(These four lines should be repeated at the commencement of the measurements relating to each work.)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work - Construction of					
road from B.L. atolar High School					
to Sukhisenra [MR (3054)]					
Group no - MR - N/19 - 20 Dhamdaha/04					
Agreement no - 31/MBD/2021 - 22					
Main agreement no - 14/MBD/2019 - 20 dat. 05-12-2019					
Name and firm of Contractor - Aditya					
Kumar Singh.					
Assessed value - Rs. 60.32 Lacs					

Date of agreement - 08/03/2022

Date of Completion -

RECORD ENTRY

(1/1) Providing clearing and

grubbing road land - do

$$0.4 = 2 \times 1500 \text{ m} \times 1 \text{ m} = 3000 \text{ m}^2$$

$$= \frac{3000}{10000} \text{ Hect.} = 0.3 \text{ Hectare.}$$

(2/2) Scavenging the existing bituminous

road - do - do

$$2 \times 10.5 \text{ m} \times 2.20 \text{ m} = 46.20 \text{ m}^2$$

$$8.75 \text{ m} \times 1.50 \text{ m} = 13.13 \text{ m}^2$$

$$15.2 \text{ m} \times 1.75 \text{ m} = 26.60 \text{ m}^2$$

$$20.6 \text{ m} \times 1.40 \text{ m} = 28.84 \text{ m}^2$$

$$13.40 \text{ m} \times 2 \text{ m} \text{ Continuation} = 26.80 \text{ m}^2$$

$$16.30 \text{ m} \times 1.80 \text{ m} = 29.34 \text{ m}^2$$

$$170.91 \text{ m}^2$$

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(3/4) Construction of G.S.B.					
with well graded material (grade II)					
- do - - do		do			
27m x 2.20m x 0.150m					= 8.91 m ³
26m x 2.50m x 0.150m					= 9.75 m ³
27m x 2.70m x 0.150m					= 10.935 m ³
25m x 1.90m x 0.150m					= 7.125 m ³
26m x 3.20m x 0.150m					= 12.48 m ³
27m x 1.90m x 0.150m					= 7.695 m ³
28m x 2.90m x 0.150m					= 12.18 m ³
25m x 2.50m x 0.150m					= 9.375 m ³
26m x 2m x 0.150m					= 7.80 m ³
28m x 3.10m x 0.150m					= 13.02 m ³
27m x 2.30m x 0.150m					= 9.315 m ³
					108.585 m ³
(4/5) Providing W.B.M. (grade - 2) do					
27m x 2.40m x 0.075m					= 4.86 m ³
26m x 2.70m x 0.075m					= 5.265 m ³
27m x 2.90m x 0.075m					= 5.8725 m ³
25m x 2.10m x 0.075m					= 3.9375 m ³
26m x 3.40m x 0.075m					= 6.63 m ³
27m x 2.10m x 0.075m					= 4.2525 m ³
28m x 3.10m x 0.075m					= 6.51 m ³
25m x 2.70m x 0.075m					= 5.0625 m ³
26m x 2.20m x 0.075m					= 4.29 m ³
28m x 3.30m x 0.075m					= 6.93 m ³

Continuation

$$27m \times 2.50m \times 0.075m = 5.0625 m^3$$

$$58.67 m^3$$

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(5/6) Providing w.B.M. (grading-3)					
do do	do				
$27m \times 2.60m \times 0.075m$					$= 5.265m^3$
$26m \times 2.90m \times 0.075m$					$= 5.655m^3$
$27m \times 3.10m \times 0.075m$					$= 6.2775m^3$
$25m \times 2.30m \times 0.075m$					$= 4.3125m^3$
$26m \times 3.60m \times 0.075m$					$= 7.02m^3$
$27m \times 2.30m \times 0.075m$					$= 4.6575m^3$
$28m \times 3.30m \times 0.075m$					$= 6.93m^3$
$25m \times 2.90m \times 0.075m$					$= 5.4375m^3$
$26m \times 2.40m \times 0.075m$					$= 4.68m^3$
$28m \times 3.50m \times 0.075m$					$= 7.35m^3$

$$27m \times 2.70m \times 0.075m = 5.4675m^3$$

$$63.05m^3$$

Sd/-
15/03/2022
J.E.

RECORD ENTRY

(1/7) Providing and applying primer

Coat with bitumen emulsion (SS-1)

on prepared surface - do - do

$$Qty = \frac{Qty \text{ of w.B.M. (grading-3)}}{0.075}$$

$$= \frac{63.05}{0.075} m^2 = 840.67m^2$$

(2/9) Providing and laying lock

Coat with bitumen emulsion (SS-1)

do do - do Continuation

$$Qty \text{ same as primer coat} = 840.67m^2$$

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(3/8) Providing mix					
Surfacing - do - do					
Qty same as primer coat					$= 840.67 \text{ m}^2$
(4/9) Providing and applying					
tack coat (RS-1) - do - do					
$30 \times 30 \text{ m} \times 3.75 \text{ m} = 3375 \text{ m}^2$					(i)
1st Curve					
$26.5 \text{ m} \times \left(\frac{3.75 + 5.18 + 5.45 + 4.65 + 4.1 + 3.75}{6} - 3.75 \right) \text{ m}$					
$= 26.5 \text{ m} \times (4.58 - 3.75) \text{ m}$					
$= 26.5 \text{ m} \times 0.83 \text{ m} = 21.995 \text{ m}^2$					
2nd Curve					
$15 \text{ m} \times \left(\frac{3.75 + 4.06 + 3.25 + 3.25}{4} - 3.75 \right) \text{ m}$					
$= 15 \text{ m} \times (4.52 - 3.75) \text{ m}$					
$= 15 \text{ m} \times 0.77 \text{ m} = 11.55 \text{ m}^2$					
					33.545 m^2 (ii)
Total = (i) + (ii) = $3375 \text{ m}^2 + 33.545 \text{ m}^2$					
$= 3408.545 \text{ m}^2$					
(5/10) Providing and laying					
bituminous macadam - do - do					
Qty = $30 \times 30 \text{ m} \times 3.75 \text{ m} \times 0.050 \text{ m} = 168.75 \text{ m}^2$					
1st Curve					(i)
$26.5 \text{ m} \times \left(4.58 (2v) - 3.75 \right) \text{ m} \times 0.050 \text{ m}$					
$= 26.5 \text{ m} \times 0.83 \text{ m} \times 0.050 \text{ m} = 1.099 \text{ m}^2$					
2nd Curve					
$15 \text{ m} \times \left(4.52 (2v) - 3.75 \right) \text{ m} \times 0.050 \text{ m}$					
Continuation					
$= 15 \text{ m} \times 0.77 \text{ m} \times 0.050 \text{ m} = 0.578 \text{ m}^2$					
					1.677 m^2 (ii)
Total = (i) + (ii) = $168.75 \text{ m}^2 + 1.677 \text{ m}^2$					
$= 170.43 \text{ m}^2$					

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Co- of area
	No.	L.	B.	D.	
(6/9) Providing and applying					
tack coat (RS-1) - do - do					
Qty same as (4/9) Page - 04					
= 3408.545 m ²					
(7/11) Providing and laying					
S.D.B.C. - do - do					
Qty = 30 x 30m x 3.75m x 0.025m =					84.375 m ³
1st curve					(i)
26.5m x [4.58(31) - 3.75]m x 0.025m					
= 26.5m x 0.83m x 0.025m =					0.550 m ³
2nd curve					
15m x [4.52(20) - 3.75]m x 0.025m					
= 15m x 0.77m x 0.025m =					0.289 m ³
				0.839 m ³	(ii)
Total = (i) + (ii) =					84.375 m ³
+ 0.839 m ³ =					85.21 m ³
(8/3) Construction of Subgrade and					
earthen shoulder - do - do					
Shoulder					
2 x 900m x 1.10m (av) x 0.30m =					594 m ³
2 x 600m x 0.65m (av) x 0.30m =					234 m ³
					828 m ³
(9/12) Reinforced cement concrete					
(M-15) grade - do - do					
km stone = 02 no					
200m stone = 07 no					

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(10/13) Providing and erecting director and place identification of semi reflective paper boards - do					
$2 \times 1.2 \text{ m} \times 0.8 \text{ m} = 1.92 \text{ m}^2$					
(11/21) B/w in C.M (1:3) on parapet wall - do - do					
$2 \times 6.15 \text{ m} \times 0.4 \text{ m} \times 0.6 \text{ m} = 2.95 \text{ m}^3$					
(12/23) Plastering with C.M (1:4) on brick work - do - do					
$2 \times 6.15 \text{ m} \times 0.4 \text{ m} = 4.92 \text{ m}^2$					
$4 \times 6.15 \text{ m} \times 0.6 \text{ m} = 14.76 \text{ m}^2$					
$4 \times 0.4 \text{ m} \times 0.6 \text{ m} = 0.96 \text{ m}^2$					
(13/24) Painting two coats including primer coat - do - do					
$Qly = 20.64 \text{ m}^2$ (vide above)					
(14/14) Providing and fixing of semi reflective cautionary, mandatory and informationary signs - do - do					
600 mm equilateral = 25 no					
600 mm circular = 14 no					
600 mm x 450 mm rectangular = 06 no					
900 mm side octagon = 06 no					
(15/15) Providing and laying of heat applied thermoplastic compound - do - do					
$5 \text{ no} \times 3 \text{ m} \times 0.5 \text{ m} = 7.50 \text{ m}^2$					

Continuation

[illegible]

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(4/5) Providing	W.B.M.	(3.267-2)			
- - do	- -	do			
Qty = 58.67 m ²		Page - 02			
@ Rs. 4692.15/m ²				Rs. 275288 = 00	
(5/6) Providing	W.B.M.	(3.267-3)			do
Qty = 63.05 m ²		Page - 03			
@ Rs. 4454.76/m ²				Rs. 280873 = 00	
(6/7) Providing and applying					
primer coat with bitumen emulsion					
(55-1) - - do	- -	do			
Qty = 840.67 m ²		Page - 03			
@ Rs. 42.63/m ²				Rs. 35838 = 00	
(7/9) Providing and laying					
tack coat (Rs-1)	- -	do			do
Qty = 840.67 m ²		(4/9 Page - 03)			
Qty = 3408.545 m ²		(4/9 Page - 04)			
Qty = 3408.545 m ²		(6/9 Page - 05)			
Total = 7657.76 m ²					
@ Rs. 14.44/m ²				Rs. 110578 = 00	
(8/8) Providing mix					
surfacing	do	- -	do		
Qty = 840.67 m ²		Page - 04			
@ Rs. 209.94/m ²				Rs. 176490 = 00	
(9/10) Providing and laying B.M.					do
Qty = 170.43 m ³		Page - 04			
@ Rs. 9019.21/m ³				Rs. 1537144 = 00	

Continuation

Rs. 2718435 = 00

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(10/11) Providing and laying					
S.D.B.C. - do - -	do	-	do		
Qty = 85.21 m ²			Page - 05		
@ Rs 10573.73/m ²			Rs. 900988 = 00		
(11/3) Const of Subgrade and					
earthwork shoulders - -	do	-	do		
Qty = 828 m ²			Page - 05		
@ Rs 176.47/m ²			Rs 146117 = 00..		
(12/12) Reinforced cement concrete					
(M-15) grade - do. do.					
km stone = 0.2 no			Page - 05		
@ Rs 2501.26/m ²			Rs 512.9 = 00		
2000 stone (precast) = 0.7 no					
@ Rs 68295/cast			Rs 4781 = 00		
(13/13) Providing and erecting					
discontinual plate identification					
of semi reflective sign board - do					
Qty = 1.92 m ²			Page - 06		
@ Rs 12600.04/m ²			Rs 24192 = 00		
(14/21) B/w in C.M (1:3) on parapet					
wall - - do - -	do	-	do		
Qty = 2.95 m ³			Page - 06		
limited to 2.88 m ³					
@ Rs 7043.02/m ³			Rs 20289 = 00		
			Rs. 3819926 = 00		

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(15/23) Plastering with C.M (1:4)					
on brick work		do	do		
Qty = 20.64 m ²			Page - 06		
Rs 205.50/m ²			Rs 4242 = 00		
(16/24) Painting two coats including					
primer coat		do	do		
Qty = 20.64 m ²			Page - 06		
Rs 95.63/m ²			Rs 1974 = 00		
(17/14) Providing duct fixing of					
semi reflective caulking					
Qty = 1.00 m			Page - 06		
Rs 3782.74/each			Rs 3782.74 = 00		
600mm Circular			14 no		
Rs 3916.46/each			Rs 54830 = 00		
600mm x 450mm rectangular			06 no		
Rs 3786.05/each			Rs 22716 = 00		
900mm side octagon			06 no		
Rs 7818.77/each			Rs 46913 = 00		
(18/15) Providing duct fixing of					
hot applied thermoplastic compound					
do		do			
Qty = 7.50 m ²			Page - 06		
Rs 771.83/m ²			Rs 5789 = 00		
			Rs 40509.59 = 00		

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(19/16) R.C.C. 11-15 grade					
Boundary pillars - - do - do					
Qty = 56 nos Page - 07					
@ Rs 557.22/each				Rs. 31204 = 00	
(20/18) Planting of trees by the					
road side (Avenue tree) - - do					
Qty = 45 nos					
@ Rs 800.30/each				Rs. 36019 = 00	
(21/19) Providing and laying of					
but applied the mastic					
Compound - - do					
@ Rs 771.83/m ²				Rs. 138929 = 00	
(22/20) Providing and fixing (Ledge					
of maintenance project - do					
Qty = 02 nos Page - 07					
@ Rs 9816.67/each				Rs. 19633 = 00	
				Rs. 4276739 = 00	
Add 12% G.S.T.				Rs. 513209 = 00	
Add 1% L.C.				Rs. 42767 = 00	
				Rs. 4832715 = 00	
Less 1% below S.F.				Rs. 48327 = 00	
				Rs. 4784388 = 00	
				Rs. 4852804 = 00	
				Rs. 4853 = 00	
				Rs. 4847951 = 00	
				C & P	

Continuation

27.03.22
E.C.

Continuation