

**कार्यपालक अभियंता का कार्यालय,
ग्रामीण कार्य विभाग, कार्य प्रमंडल छपरा 2**

पत्रांक

463 अनु०

छपरा/दिनांक 08/03/2022

प्रेषक,

कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, छपरा-2

सेवा में,

अपर मुख्य कार्यपालक पदाधिकारी,
बिहार ग्रामीण पथ विकास अभिकरण (ब्रांडा),
बिहार, पटना।

विषय:-

नई अनुरक्षण नीति 2018 (Head - 3054) योजना मद में आवंटन उपलब्ध कराने के संबंध में।

महाशय,

उपर्युक्त विषय के संबंध में कहना है कि नई अनुरक्षण नीति 2018 (Head - 3054) योजना अंतर्गत 02 (दो) पथों में राशि का अधियाचना विहित प्रपत्र में तैयार कर माप पुस्त की छायाप्रति एवं Bump Indecator का Reading संलग्न कर आवश्यक कार्रवाई हेतु समर्पित की जा रही है।

अतः अनुरोध है कि पत्र के साथ संलग्न अधियाचना प्रपत्र में अंकित राशि उपलब्ध कराने की कृपा की जाय ताकि संवेदक के विपत्र का भुगतान किया जा सकें।

अनु०:- यथोक्त।

विश्वासभाजन

कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, छपरा 2

AED
8/3/22

Requisition Format for Scheme Head :- MR (3054) under Bihar Rural Road Maintenance Policy - 2018 (Initial Rectification and Surface Renewal)

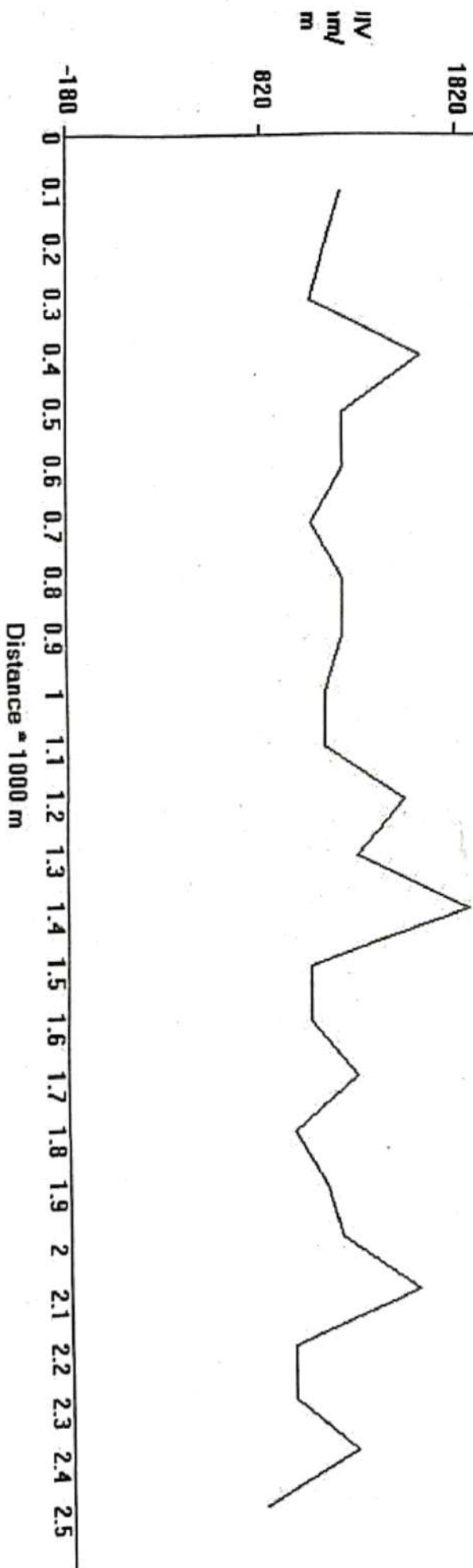
of Division :- Rural Works Department, Works Division, Chapra-2

Sl. No.	Package No.	Name of Road	Project ID as per MIS	Administrative Approval (AA) Letter No. & Date	Administrative Approval (AA)		Agreement Amount (In Lakh)		Agreement No. & Date	Date of Completion as per Agreement	Actual Date of Completion	Value of IRI (in mm/km)	Thickness of Bitumen Layer (in mm)	Value of Bitumen Content in Percentage	Previous Total Alloted Amount (in Lakh)	Up-to-date expenditure as per MIS (in Lakh)	Requisition against work done (in Lakh)	Remarks
					Length (in km)	Amount (in Lakh)	Initial Rectification with surface Renewal (in Lakh)	5 Years Routine Maintenance (in Lakh)										
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1	MR-N/19-20 Chapra-2/15	T05 (SH) to Jogia	NEA220001902	Lt. No. 3388 Dated 02.08.19	2.500	86.45770	56.59659	23.77525	52/MBD/202 0-21	27.07.21	06.01.22	1224.400	25.00	5%	0.00	0.00	56.59659	MB No. 3427, Page No. 01 to 14
2	MR-N/19-20 Chapra-2/15	T03 to Amdathi	31306302090	Lt. No. 3388 Dated 02.08.19	1.700	57.90490	37.02455	16.92886	52/MBD/202 0-21	27.07.21	02.01.22	1537.800	25.00	5%	0.00	0.00	34.08568	MB No. 3429, Page No. 01 to 14
																		Total Completed Length 1,500 Km.


 Executive Engineer
 Rural Works Department,
 Works Division, Chapra-2

434
 8/12/22

File : F:\New folder\cpr\New folder\06011060.Xls. Section No.:95, Eqn : $Y = 0 \cdot X^2 + 0.016 \cdot X + 249$
 Name of Customer :M/S Sivam Enterprises, Name of Work/ Road :T05 (SH) to Jogia, Lab Job number :95



Waling
 06/11/2022
 JF

R.P.S.
 6-1-2022
 AE

R
 10.1.21
 Executive Engineer
 R.W.D. Works Div.
 Chapra-2

Lab Job number :95

Date :06-01-2022

Name of Customer :M/S Sivam Enterprises

Name of Work/ Road :T05 (SH) to Jogia

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

2	0.1	1228 G
3	0.2	1146 G
4	0.3	1064 G
5	0.4	1636 G
6	0.5	1228 G
7	0.6	1228 G
8	0.7	1064 G
9	0.8	1228 G
10	0.9	1228 G
11	1	1146 G
12	1.1	1146 G
13	1.2	1554 G
14	1.3	1309 G
15	1.4	1880 G
16	1.5	1064 G
17	1.6	1064 G
18	1.7	1309 G
19	1.8	983 G
20	1.9	1146 G
21	2	1228 G
22	2.1	1636 G
23	2.2	983 G
24	2.3	983 G
25	2.4	1309 G
26	2.5	820 G

G Singh
06/01/2022
JE

R P Sm.
6-1-2022
AE


10.1.21

Executive Engineer
R W.D. Works Div,
Chapra-2

Date	Time	Section No.	Length in km	Bumps in mm	Speed Rate	OR	IRI, CATEGORY	Latitude	ongitude	Event	
6/1/22	11:12:10	95	0.1	120	30.3	1200	1228 G	26.423	84.49958	Normal	Y = 0 * X ^ 2 + 0.816 * X + 249 X = 2145 Y = 1905
6/1/22	11:12:28	95	0.1	110	30.3	1100	1146 G	26.55	84.49926	Normal	
6/1/22	11:12:46	95	0.1	100	30.3	1000	1064 G	25.99959	84.49875	Normal	(R) RURAL ROAD Good Average Poor <4000 4001-5000 >5001
6/1/22	11:13:0	95	0.1	170	20.2	1700	1636 G	25.99972	84.49788	Normal	
6/1/22	11:13:11	95	0.1	120	30.3	1200	1228 G	25.99978	84.49739	Normal	
6/1/22	11:13:27	95	0.1	120	30.3	1200	1228 G	25.99967	84.49673	Normal	
6/1/22	11:13:47	95	0.1	100	10.1	1000	1064 G	25.99883	84.49731	Normal	
6/1/22	11:13:59	95	0.1	120	30.3	1200	1228 G	25.99837	84.49736	Normal	
6/1/22	11:14:0	95	0.1	120	30.3	1200	1228 G	25.99776	84.49741	Normal	
6/1/22	11:14:12	95	0.1	110	30.3	1100	1146 G	25.99734	84.49734	Normal	
6/1/22	11:14:25	95	0.1	110	10.1	1100	1146 G	25.99695	84.49724	Normal	
6/1/22	11:14:42	95	0.1	160	20.2	1600	1554 G	25.99626	84.49705	Normal	
6/1/22	11:14:55	95	0.1	130	30.3	1300	1309 G	25.99548	84.49695	Normal	
6/1/22	11:15:0	95	0.1	200	20.2	2000	1880 G	25.99428	84.49682	Normal	
6/1/22	11:15:6	95	0.1	100	20.2	1000	1064 G	25.9937	84.4967	Normal	
6/1/22	11:15:16	95	0.1	100	20.2	1000	1064 G	25.99293	84.4967	Normal	
6/1/22	11:15:41	95	0.1	130	20.2	1300	1309 G	25.99222	84.49635	Normal	
6/1/22	11:16:0	95	0.1	90	30.3	900	983 G	25.99156	84.49598	Normal	
6/1/22	11:16:16	95	0.1	110	20.2	1100	1146 G	25.9911	84.49571	Normal	
6/1/22	11:16:36	95	0.1	120	10.1	1200	1228 G	25.99054	84.49524	Normal	
6/1/22	11:16:52	95	0.1	170	20.2	1700	1636 G	25.9902	84.49497	Normal	
6/1/22	11:17:0	95	0.1	90	40.4	900	983 G	25.98946	84.49414	Normal	
6/1/22	11:17:10	95	0.1	90	40.4	900	983 G	25.98882	84.49375	Normal	
6/1/22	11:17:18	95	0.1	130	40.4	1300	1309 G	25.98798	84.49325	Normal	
6/1/22	11:17:27	95	0.1	70	30.3	700	820 G	25.98738	84.49274	Normal	

Wairdh
06/07/2022
JE

RP Gm.
6-1-2022
AE

10-1-11

Executive Engineer
R.W.D. Works Div.
Chapra-2

PR-N/19.20 Chapter-2/15

PR-N/NO 3427

TO S (S.H) to Yogiyg.

Schedule XLV-Form No. 134

Ag. NO-52 PRBD/20-21

Contractor- Mr/s Shivam Enterprises.

Sec- Ram Prakash Singh. (A.E)

DIVISION

Ekma.

SUB-DIVISION

MEASUREMENT BOOK

PR-N-ABD-3427

~~1st on RMC bill~~

1st and final bill

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 measurement relating to each work)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work -	TOS (SH) To Jodia				
Agency -	M/s Shivam Enterprises				
Agreement no -	52 SBD/2020-2021				
Date of starting work -	28/07/2020				
Date of completion -	27/07/2021				

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
11.23 m X 2.93 X 0.175 =					5.758 m ³
10.97 m X 3.38 X 0.175 =					6.489 m ³
24.07 m X 1.80 X 0.175 =					7.582 m ³
16.49 m X 2.12 X 0.175 =					6.118 m ³
10.97 m X 2.03 X 0.175 =					3.897 m ³
5.59 m X 2.25 X 0.175 =					2.201 m ³
10.0 m X 3.20 X 0.175 =					5.600 m ³
5.76 m X 3.20 X 0.175 =					3.226 m ³
19.14 m X 2.25 X 0.175 =					7.536 m ³
16.78 m X 3.11 X 0.175 =					9.133 m ³
6.13 m X 1.35 X 0.175 =					1.448 m ³

5.76 m X 2.75 X 0.175 =	2.772 m ³
11.23 m X 1.80 X 0.175 =	5.404 m ³
8.33 m X 2.93 X 0.175 =	2.624 m ³
5.76 m X 2.84 X 0.175 =	2.953 m ³
16.78 m X 2.93 X 0.175 =	8.340 m ³
12.74 m X 2.03 X 0.175 =	6.532 m ³
22.04 m X 2.03 X 0.175 =	7.830 m ³
Total	108.793 m ³

1418m - ge - II				
(4) Providing, Laying, spreading and compacting stone aggregates - also -				
9.45m X 2.97m X 0.075m =				2.105m ³
13.54 X 2.97 X 0.075 =				3.016m ³
7.57 X 2.29 X 0.075 =				1.300m ³
Continuation				
12.23 X 2.97 X 0.075 =				2.724m ³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
11.97 x 3.42 x 0.075 =					3.070
25.07 x 1.84 x 0.075 =					3.460
17.49 x 2.16 x 0.075 =					2.833
11.97 x 2.07 x 0.075 =					1.858
6.59 x 2.29 x 0.075 =					1.132
11 x 3.24 x 0.075 =					2.673
6.76 x 3.24 x 0.075 =					1.643
20.14 x 2.29 x 0.075 =					3.459
17.78 x 3.15 x 0.075 =					4.201
7.13 x 1.39 x 0.075 =					0.743
6.76 x 2.79 x 0.075 =					1.415
12.23 x 2.79 x 0.075 =					2.559
9.33 x 1.84 x 0.075 =					1.288
6.76 x 2.97 x 0.075 =					1.506
17.78 x 2.88 x 0.075 =					3.840
13.74 x 2.97 x 0.075 =					3.061
23.04 x 2.07 x 0.075 =					3.577
16.80 x 3.15 x 0.075 =					3.969
6.06 x 2.29 x 0.075 =					1.041
23.35 x 3.24 x 0.075 =					5.674
23.35 x 2.29 x 0.075 =					4.010
Total					66.157m ³
(5) 123m gc-TII					
Providing, laying, spreading and compacting stone aggregates					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
of specific size to					
water bound hard macadam					
— do —					
11.65m x 2.92m x			0.075m		2.551m ³
15.74 x 2.92 x			0.075		3.447
9.77 x 2.24 x			0.075		1.641
14.43 x 2.92 x			0.075		3.160
14.17 x 3.37 x			0.075		3.581
27.27 x 1.79 x			0.075		3.661
19.69 x 2.11 x			0.075		3.116
14.17 x 2.02 x			0.075		2.147
8.79 x 2.24 x			0.075		1.477
13.20 x 3.19 x			0.075		3.158
8.96 x 3.19 x			0.075		2.144
22.34 x 2.24 x			0.075		3.753
19.98 x 3.10 x			0.075		4.645
9.33 x 1.34 x			0.075		0.938
8.96 x 2.74 x			0.075		1.841
14.43 x 2.74 x			0.075		2.965
11.53 x 1.79 x			0.075		1.548
8.96 x 2.92 x			0.075		1.962
19.98 x 2.83 x			0.075		4.241
15.94 x 2.92 x			0.075		3.491
25.24 x 2.02 x			0.075		3.824
19.0 x 3.10 x			0.075		4.418

Continuation

P.T.O

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
8.26 m x 2.24 m x 0.075 m					1.388 m ³
25.55 m x 3.19 m x 0.075 m					6.113 m ³
25.55 m x 2.24 m x 0.075 m					4.292 m ³
11.65 m x 2.92 m x 0.075 m					2.551 m ³
20.39 m x 3.37 m x 0.075 m					5.154 m ³
19.98 m x 1.79 m x 0.075 m					2.682 m ³
36.39 m x 2.11 m x 0.075 m					5.759 m ³
7.34 m x 2.50 m x 0.075 m					1.376 m ³
				Total	93.025 m ³

(6) Prime coat					
Providing and applying primer coat with bitumen emulsion					
do					
Area for prime coat					
is same as area					
used for WBM grt-II					
P- (5) item - (5)					
$= \frac{93.025}{0.075} = 1240.33$					
1240.33 m ²					
(7) Tack coat					
Providing and applying tack coat with (RS-1) emulsion					
do					
Area used for tack coat					

Continuation
is same as area used for prime coat +
(2 x 20 x 3.75)
= (1240.33 + 150) = 1390.33
limit to 1382.83 m²

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑧ Patch work over WBM using mss -- do --					
Providing, laying and rolling of mss -- do --					
Area used for mss is same as area used for tack coat					
P-⑤ item - ⑦ =					1382.83m ²
⑨ Tack coat Providing and applying tack coat with RS-1					
1900 x 25 x 3.75					8437.50m ²
10 x 20 x 3.80					760m ²
1 x 25 x 3.50					87.50m ²
1 x 25 x $\frac{3.5 + 4.0}{2}$					102.50m ² 95.0m ²
Total					9380m ²
Limit to					9375m ²
⑩ Providing and laying semi- dense bituminous concrete -- do --					
Area used for SDBC is same as area used for tack coat P-⑥					
item - ⑨ =					9375m ²
∴ ont 2 9375m ² x 0.025m =					234.375m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(11) Kilometer stone					
(i) km stone - ant =					4 NO.
(ii) 200m stone - ant =					10 NO.
(12) Direction and place					
identification signs					
do					
2 x 1.2 x 0.8 =					1.92m ²
(13) Providing & fixing of retro-reflective cautionary					
mandatory - do					
(i) 600mm equilateral triangle - do					
board - ant =					20 NO.
(ii) 600mm circular board - ant =					8 NO.
(iii) 600mm x 450mm rectangular board - ant =					8 NO.
(14) Boundary pillar					
do					
ant =					60 NO.
(15) Planting of trees by the road side - do					
ant =					125 NO.

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(16) Road marking with hot applied Thermoplastic compound - do -					
2 x 100 x 25 x 0.10 =					500m ²
(17) Providing and fixing of typical masonry informatory sign board - do -					
				ont 2	4 No.
(18) Brick masonry work in cement mortar - do -					
2 x 6.0 x 0.40 x 0.60 =					2.88m ³
for five No. 7					
culvert = 5 x 2.88 =					14.40m ³
(19) Plastering with cement mortar - do -					
4 x 6 x 0.60 =					14.40
2 x 6 x 0.40 =					4.80
4 x 0.40 x 0.60 =					0.960
					20.160m ²
for 5 No. culvert					
5 x 20.160 =					100.80m ²

Continuation

Continuation

Abstract of cost

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1. clearing and grubbing road land		do			
ent =	0.50	hect	P- (1)		
item -	(1)	@ Rs	49496.70/h		
				= Rs	24748.2
2. const. of subgrade and earthen shoulder		do			
ent =	1050	m ³	P- (1)		
item -	(2)	@ Rs	176.96/m ³		
				= Rs	185808
3. const. of granular subbase		do			
ent =	108.793	m ³	P- (2)		
item -	(3)	@ Rs	2300.10/m ³		
				= Rs	250235
(4) WBM gr-II Providing, laying spreading		do			
ent =	66.157	m ³	P- (3)		
item -	(4)	@ Rs	4283.43/m ³		
				= Rs	283379
(5) WBM gr-III Providing, laying spreading		do			
ent =	93.025	m ³	P- (5)		
item -	(5)	@ Rs	3827.98/m ³		
Continuation = Rs					356098

1100268

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑥ Prime coat					
Providing and applying primer coat					
ent = 1240.33 m ²	P- (5)				
item - ⑥ @ Rs 41.57/m ²					
				Rs	51561=
⑦ Tack coat					
— do —					
ent = 1382.83 m ²	P- (5)				
item - ⑦ @ Rs 14.09/m ²					
				Rs	19484=

⑧ Patch work over WBM wing mss	do				
ent = 1382.83 m ²					
P- (6) item - ⑧ @ Rs 229.05					
				Rs	316737=

⑨ Tack coat					
— do —					
ent = 937.5 m ²	P- (6)				
item - ⑨ @ Rs 12.25/m ²					
				Rs	114844=

⑩ Providing and laying SDBC	do				
ent = 234.375 m ³	P- (6)				

Continuation

item - ⑩ @ Rs 11059.86/m³
 = Rs 2592155=
 = Rs 2592155=
 4195049

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(11) Kilometer stone					
(i) Km stone					
Qnt = 4 No. P- (7)					
Item - 11 (i) @ Rs 2303.50					
				= Rs	9214 =
(ii) 200 m stone					
Qnt = 10 No. P- (7)					
Item - 11 (ii) @ Rs 634.78					
				= Rs	6348 =
(12) Direction & Place identification signs					
do					
Qnt = 1.92 m ² P- (7)					
Item - (12) @ Rs 12361.12					
				= Rs	23733 =
(13) Providing & fixing of retro-reflective					
do					
(i) 600 mm equilateral triangle board					
Qnt = 2 No. P- (7)					
Item - 13 (i) @ Rs 3661.57/H					
				= Rs	73232 =
(ii) 600mm circular board					
do					
Qnt = 8 No. P- (7)					
Item - 13 (ii) @ Rs 3760.94					
				= Rs	30088 =
Continuation					
433764					

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(iii) 600mm x 450mm rectangular board - do					
amt = 8 No. P- (7)					
item - 13(iii) @ Rs 3631.82					
				Rs	29055-
(14) Boundary pillar - do					
amt = 60 No. P- (7)					
item - (14) @ Rs 507.81 =					
				Rs	30469-
(15) Planting of trees by the road side - do					
amt = 125 No. P- (7)					
item - (15) @ Rs 800.30/H					
				Rs	100037-
(16) Road marking with hot applied Thermoplastic compound - do					
amt = 500m ² P- (8)					
item - (16) @ Rs 735.40/m ² = Rs					367700-
(17) Providing and fixing of typical messy informatory sign board - do					

Continuation

4864925

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
ent=	440	P-	(8)		
itm=	(17)	@ Rs	9351.51		
		= Rs			37406=
(18) Brick masonry work in cement mortar					
		do			
ent=	14.40 m ³	P-	(8)		
itm=	(18)	@ Rs	5102.55		
		= Rs			73476=
(19) Plastering with cement mortar					
		do			
ent=	100.80 m ²	P-	(8)		
itm=	(19)	@ Rs	148.85/m ²		
		= Rs			15004=
(20) Painting two coats on new concrete - do					
ent=	292.80 m ²	P-	(9)		
itm=	(20)	@ Rs	95.63/m ²		
		= Rs			28000=
				Total	Rs 501881=
Add GST-12	1.	(+)	Rs		602257=
Add Labour cum	1.	(+)	Rs		50188=
AS Per Agreement				Total	Rs 5671256=
5659659=00					5659659=00
Working 06/01/2022	RP 84	6-1-2022			
JE	AE				

Continuation

United And AS per Agreement
5659659=