

**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)

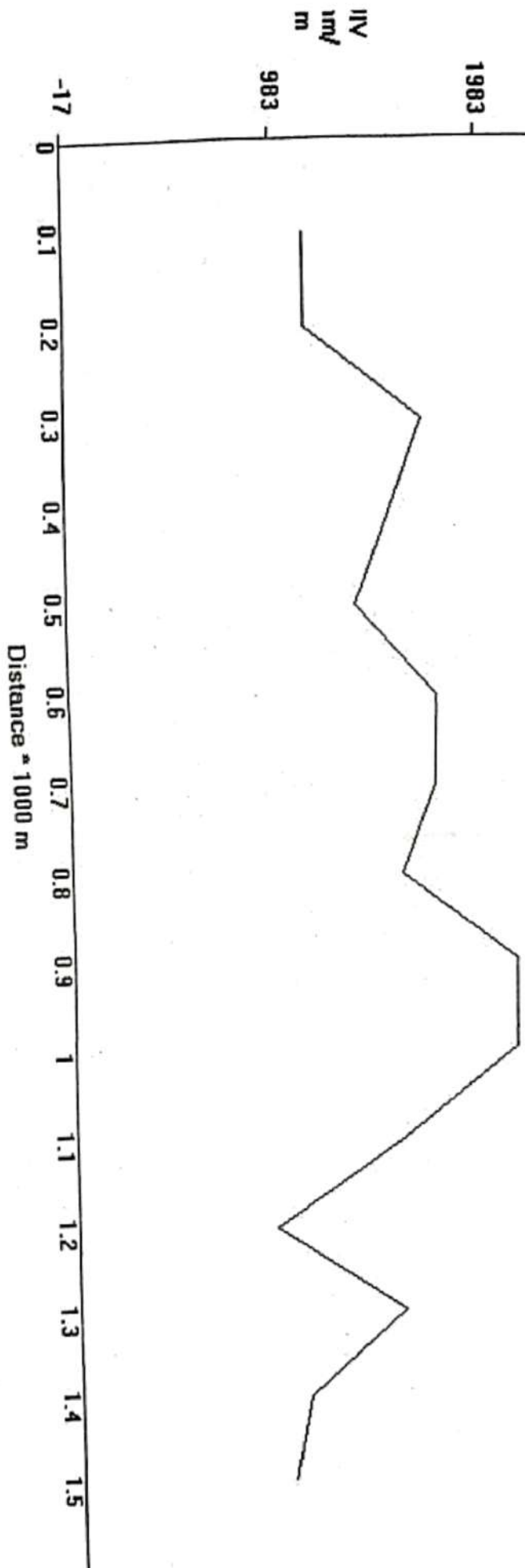
of Division :- Rural Works Department, Works Division, Chapra-2

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 Amdanhi	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\cp\103 amdadhi\02011540.Xls, Section No. : 94, Eqn : $Y = 0 \cdot X^2 + 0.816 \cdot X + 249$
 Name of Customer : M/S Sivam Enterprises, Name of Work/ Road : T03 to Amdadhi, Lab Job number : 94



Galib
 02/01/2022
JE

RP Sm
 2-1-2022
AE

10.1.22
AE

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

Lab Job number :94

Date :02-01-2022

Name of Customer :M/S Sivam Enterprises

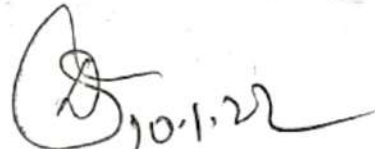
Name of Work/ Road :T03 to Amdadhi

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

2	0.1	1146 G
3	0.2	1146 G
4	0.3	1717 G
5	0.4	1554 G
6	0.5	1391 G
7	0.6	1799 G
8	0.7	1799 G
9	0.8	1636 G
10	0.9	2207 G
11	1	2207 G
12	1.1	1636 G
13	1.2	983 G
14	1.3	1636 G
15	1.4	1146 G
16	1.5	1064 G

Gsingh
02/01/2022
JE

RPSm.
2-1-2022
AE


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

Date	Time	Section No.	Length in km	Bumps in mm	Speed Rate	OR mm/km	IRI, CATEGORY mm/km ROAD	Latitude	Longitude	Event	Y = 0 * X ^ 2 + 0.816 * X + 249
2/1/22	11: 8: 2	94	0.1	110	10.1	1100	1146 G	25.978738	84.52825	Normal	X = 1879
2/1/22	11: 8: 37	94	0.1	110	30.3	1100	1146 G	25.97957	84.5285	Normal	Y = 1617
2/1/22	11: 9: 14	94	0.1	180	20.2	1800	1717 G	25.980793	84.52855	Normal	
2/1/22	11: 9: 14	94	0.1	160	10.1	1600	1554 G	25.981812	84.52869	Curve	
2/1/22	11: 9: 49	94	0.1	140	20.2	1400	1391 G	25.98316	84.52842	Normal	(R) RURAL ROAD
2/1/22	11: 10: 0	94	0.1	190	20.2	1900	1799 G	25.981038	84.52919	Normal	Good
2/1/22	11: 10: 10	94	0.1	190	20.2	1900	1799 G	25.980477	84.53003	Normal	Average
2/1/22	11: 10: 44	94	0.1	170	10.1	1700	1636 G	25.980222	84.53069	Normal	Poor
2/1/22	11: 11: 0	94	0.1	240	10.1	2400	2207 G	25.980252	84.5313	Normal	<4000
2/1/22	11: 11: 35	94	0.1	240	10.1	2400	2207 G	25.980747	84.53148	Normal	4001-5000
2/1/22	11: 11: 45	94	0.1	170	20.2	1700	1636 G	25.981332	84.53168	Normal	>5001
2/1/22	11: 12: 0	94	0.1	90	20.2	900	983 G	25.981623	84.5321	Normal	
2/1/22	11: 12: 10	94	0.1	170	20.2	1700	1636 G	25.981878	84.53273	Normal	
2/1/22	11: 12: 28	94	0.1	110	30.3	1100	1146 G	25.98222	84.53	Normal	
2/1/22	11: 12: 46	94	0.1	100	30.3	1000	1064 G	25.981905	84.53448	Normal	

Gaijdh
02/01/2022
JE

RP Sm.
2-1-2022
AE

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

MR-N/19-20 Chapter-2/15

MB:ND-3429

Schedule XLV-Form No. 134

To 3 to Amdash.

Ag-ND - 52MBD/20-21

Contractor - Mr. Shivam Enterprises. DIVISION

Sri-Ram Prakash Singh. (A.E)

Ekmg.

SUB-DIVISION

MEASUREMENT BOOK

MB-ND - 3429

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 - T03 TO AMPARIL					
Agency - M/s Shivam Enterprises					
Agreement no - 52 MB/D/2020-2021					
Date of start of work - 25/07/2020					
Date of completion - 27/07/2021					

R.P. En	① cont. of granular subbase				
			do		3
	8.30	2.50	X	0.175	3.631
	6.38	3.50	X	0.175	3.908
	10.36	3.00	X	0.175	5.439
	7.62	2.50	X	0.175	3.334
	8.00	2.45	X	0.175	3.430
	6.00	1.50	X	0.175	1.575
	1.24	3.05	X	0.175	0.662
	7.62	3.00	X	0.175	4.001
R.P. En	12.70	3.00	X	0.175	6.668
	9.84	3.25	X	0.175	5.597
	7.62	3.00	X	0.175	4.001
			Total	=	42.244

Continuation

m³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2. WBM gr- II					
Providing, laying, spreading					
— do —					
m	m		m		m ³
10.55 X 2.60	X	0.075	=	2.057	
8.63 X 3.60	X	0.075	=	2.330	
12.61 X 3.10	X	0.075	=	2.932	
9.87 X 2.60	X	0.075	=	1.925	
10.25 X 2.55	X	0.075	=	1.960	
8.25 X 1.60	X	0.075	=	0.490	
3.49 X 3.15	X	0.075	=	0.825	
9.87 X 3.10	X	0.075	=	2.295	
14.95 X 3.10	X	0.075	=	3.476	

12.09 X 3.35	X	0.075	=	3.038	
9.87 X 3.10	X	0.075	=	2.295	
10.25 X 2.35	X	0.075	=	1.807	
8.25 X 3.45	X	0.075	=	2.135	
11.25 X 3.35	X	0.075	=	2.827	
10.49 X 2.60	X	0.075	=	2.046	
Total			=	32.935	
					m ³

③ WBM gr- III					
Providing, laying, spreading					
— do —					
m	m		m		m ³
11.90 X 2.70	X	0.075	=	2.410	
9.98 X 3.70	X	0.075	=	2.769	
13.96 X 3.20	X	0.075	=	3.350	

Continuation

3
Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
11.22 x	2.70	x	0.075	=	2.272
11.60 x	2.65	x	0.075	=	2.306
9.60 x	1.70	x	0.075	=	1.224
4.84 x	3.25	x	0.075	=	1.180
11.22 x	3.20	x	0.075	=	2.693
16.30 x	3.20	x	0.075	=	3.912
13.44 x	3.45	x	0.075	=	3.478
11.22 x	3.20	x	0.075	=	2.693
11.60 x	2.45	x	0.075	=	2.132
9.60 x	3.35	x	0.075	=	2.412
8.60 x	3.00	x	0.075	=	1.935
12.60 x	3.25	x	0.075	=	3.071
11.84 x	2.50	x	0.075	=	2.220
11.60 x	2.50	x	0.075	=	2.175
8.60 x	3.25	x	0.075	=	2.096
17.33 x	3.00	x	0.075	=	3.899
12.60 x	2.25	x	0.075	=	2.126
10.60 x	3.25	x	0.075	=	2.584
8.60 x	3.00	x	0.075	=	1.935
10.09 x	3.25	x	0.075	=	2.459
11.82 x	2.02	x	0.075	=	1.791
10.72 x	2.24	x	0.075	=	1.801
11.07 x	3.19	x	0.075	=	2.648
7.87 x	3.19	x	0.075	=	1.883
18.00 x	2.24	x	0.075	=	3.024
			Total	=	68.478

Continuation

m³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
4. clearing and grubbing					
road (and) - do -					
$\begin{aligned} & \text{is } [2 \times 60 \times 25 \times 1.0 = 3000 \\ & \text{RP} \quad = 3000 - 0.30 \text{ hect} \\ & \quad \quad 10000 = 0.30 = 0.30 \text{ hect} \end{aligned}$					
5. const. of subgrade and					
earthen shoulders					
$\begin{aligned} & \text{is } [2 \times 60 \times 25 \times 0.70 \times 0.30 = 630 \text{ m}^3 \\ & \text{RP} \end{aligned}$					

⑥ Prime coat

Providing and applying

tack coat - do -

Area used for prime

coat is same as area

used for WBM gr-II P-③

item-③ $\pm 16 \times 3.75$

$$\begin{aligned} & \text{is } [\frac{68.478}{0.075} = 913.04 = 913.04 \text{ m}^2 \\ & \text{RP} \end{aligned}$$

⑦ Tack coat

Providing and applying

tack coat - do -

Area used for tack coat

is same as area used for

prime coat P- Continuation

$$\begin{aligned} & \text{is } [+ 16 \times 3.75 \\ & \quad = 913.04 + 60 = 973.04 \\ & \quad \therefore \text{amt} = 973.04 \text{ m}^2 \end{aligned}$$

5
Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑧ Patch work over WBM using mss. do —					
Area used for mss is same as area used for tack coat of ④					
2 nd item ⑦ = 973.04 m ²				2	973.04 m ²
⑨ Tack coat — do —					
Providing and applying tack coat with RS-1					
— do —					
127 × 2.5 × 3.8 =					2565 m ²
28 × 2.5 × 3.75 =					2625 m ²
10 × 2.6 =					26 m ²
12 × 3.0 =					36 m ²
18 × 3.5 =					63 m ²
20 × 3.6 =					72 m ²
20 × 3.7 =					74 m ²
20 × 3.65 =					73 m ²
6 × $\left(\frac{8+5}{2}\right)$ =					39 m ²
4 × $(5+3.8)$ =					17.6 m ²
15 × 3.75 =					56.25 m ²
Total					5646.85 m ²

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(10) Providing and laying semidense bituminous concrete --- do --- Area used for SDBC is same as area used for tack coat P-(5) item - (9) = 5646.85 m^2 ∴ ent = 5646.85×0.025 $\frac{1}{2} \left[\begin{array}{l} \text{top} \\ \text{bottom} \end{array} \right] = 141.171 \text{ m}^3$ = 141.171 m					
(11) Kilometer stone					
(i) km stone --- ent = 3 No.					
					= 3 No.
(ii) 20m stone --- ent = 7 No.					
direction & place identification					
(12) Retro-reflectors					
Traffic sign - do - -					
2x 1.20 x 0.80 2					1.92 m^2
(13) Providing and fixing of retro-reflectors					
cautionary, mandatory and informative sign - do - -					
(i) 600mm equilateral triangle					ent = 20 No.
(ii) 600mm circular board					ent = 8 No.

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
RP 63 [4x 6x 0.60 =	6x	0.60	=		14.4
[2x 6x 0.40 =	6x	0.40	=		4.8
[4x 0.4x 0.60 =	0.4x	0.60	=		0.960
			Total		20.16m ²

(20) Painting two coats on
new concrete surface
— — do — —

RP 63 [4x 4 x 0.60 =	4x	0.60	=		9.6
[22x 4x 6			=		48
[4x 0.40 x 0.60 =	0.40	0.60	=		0.960
			Total		58.560m ²

Cyding
02/01/2022
JE
RP 63
2-1-2022
AE

Continuation

Abstract of cost

9
Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
① const. of granular subbase					
do					
ent = 42.244 m ³ P-①					
item - ① @ Rs 2254.11/m ³					
				= Rs	95223
② WBM gr-II					
do					
ent = 32.935 m ³ P-②					
item - ② @ Rs 4185.85/m ³					
				= Rs	137861
③ WBM gr-III					
do					
ent = 68.478 m ³ P-③					
item - ③ @ Rs 3741.15/m ³					
				= Rs	256186
④ clearing & grubbing road					
Land do					
ent = 0.30 hect P-④					
item - ④ @ Rs 49496.70/h					
				= Rs	14849
⑤ const. of subgrade and earthen shoulders					
do					
ent = 630 m ³ P-⑤ item - ⑤					
@ Rs 176.96/m ³ = Rs					111485

Continuation

10
Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑥ Prime coal					
— do —					
ent =	913.04 m ²	P-	(4)		
itm - (6) @ Rs	41.53 / m ²	2 Rs			37919
⑦ Tack coal					
— do —					
ent =	973.04 m ²	P-	(4)		
itm - (7) @ Rs	14.08 / m ²				
				2 Rs	13700
⑧ Patch work over w BM					
using m ss — do —					
ent =	973.04 m ²	P-	(5)		
itm - (8) @ Rs	227.34 / m ²				
				= Rs	221210
⑨ Tack coal					
— do —					
ent =	56416.85 m ²				
P- (5) itm - (9)					
@ Rs	12.24 / m ²	= Rs			691172
⑩ Providing and Laying					
SDBC — do —					
ent =	141171 m ³	P-	(6)		
itm - (10) @ Rs	10969.78 / m ³				
				= Rs	1548615
				= Rs	1548615

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(11) Kilometer stone					
(i) Kilometer stone					
amt = 3 No. P- (6)					
itm - 11 (i) @ Rs 2281.24 / H					
				2 Rs	68442
(ii) 200 m stone					
amt = 7 No. P- (6)					
itm - 11 (ii)					
@ Rs 630.82 / H = Rs					44162
(12) Direction and Place identification sign					
— — do — —					
amt = 1.92 m ² P- (6)					
itm - (12) @ Rs 12347.24					
				2 Rs	237072
(13) Providing & fixing of retro-reflectised cautionary, mandatory					
— — do — —					
(i) 600 mm equilateral triangle board - do -					
amt = 20 No. P- (6)					
itm - 13 (i) @ Rs 3651.18 / H					
				2 Rs	730242

Continuation

12
Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(ii) 600mm circular board					
— do —					
ent = 8 No. P - (6)					
itm - 13(ii) @ Rs 3750.53					
				2 Rs	30004:
(iii) 600mm x 450mm rectangular board					
— do —					
ent = 8 No. P - (6)					
itm - 13(iii) @ Rs 3621.41					
				2 Rs	289712
(14) Boundary pillar					
— do —					
ent = 12 No. P - (7)					
itm - (14) @ Rs 506 = Rs 6072 =					
(15) Planting of trees by the road side - do					
ent = 70 No. P - (7)					
itm - (15) @ Rs 800.30/H					
				Rs	56021=
(16) Road marking with hot applied Thermoplastic compound - do					
ent = 300 m ² P - (7)					
itm - (16) @ Rs 735.40/m ²					
Continuation 2 Rs 220620:					

13
Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(17) Providing & fixing of typical masonry informatory sign board with logo — do —					
ent = 4 No. P- (7)					
itm - (17) @ Rs 9330.68/H					
				2 Rs	37323=
(18) Brick masonry in cement mortar — do —					
ent = 2.88m ² P- (7)					
itm - (18) @ Rs 5102.55					
				7 Rs	14695=
(19) Plastering with cement mortar on brick work — do —					
ent = 20.16m ² P- (8)					
itm - (19) @ Rs 147.34					
				2 Rs	2970=
(20) Painting two coats on new concrete surface — do —					
ent = 58.560m ² P- (8)					
itm - (20) @ Rs 95.63/m ²					

Continuation = Rs 5600=

c/o Total Rs 3016432=

14
Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B/I = Ro		3016432
					/
			total Ro		3016432
Add WST-12-1. (F) Ro					361972
Add Labourer 1-1. (F) Ro					301642
			Total Ro		3408568
Using 02/01/2022 JE			RPSM 2-1-2022 AE	10	12

material statement				
①	E/W	=	630 m ³	
②	stone metal	=	155.149 m ³	
③	Local sand	=	21.628 m ³	
④	stone screening	=	25.194 m ³	
⑤	Bitumen emulsion			
	SS-1	=	0.77217 MT	
⑥	Bitumen emulsion			
	RS-1	=	1.52533 MT	
⑦	Bitumen material			
	vg-10	=	18.1377 MT	
⑧	Coarse sand	=	0.706 m ³	
⑨	Bricks	=	1440 No.	

⑩ Stone chips = 228.472 m³
 Using
 02/01/2022
 JE
 RPSM
 2-1-2022
 AE