

PRASX NEWS

Pr.B.No-3346

31142101 PRASX 44 2192144212129 2101 176491
Shedule XLV Form No. 134.

ପ୍ରାକ୍‌କାଳୀନ ସ୍ୱରୂପ

ସ୍ୱରୂପ ଓ ବିବରଣୀ

DIVISION

ସ୍ୱରୂପ ଓ ବିବରଣୀ

SUB-DIVISION

ପ୍ରାକ୍‌କାଳୀନ

Measurement Book

Pr.B.No-3346

1st on RAC bill

1

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—					
road to viashunpura yadav					
tola tak					
Name of Agency—					
Rahul kr. Rai					
Agreement no—					
97/SBD/2020-2021					
Date of start of work—					
29/07/2020					
Date of completion—					
28/04/2021					

MEASUREMENT

1. Setting out pillars
 Providing & fixing working
 bench mark — do —
 amt = 0.390km

2. Clearing and grubbing
 road land — do —
 $2 \times 13 \times 30 \times 1.50 = 1170$
 $= \frac{1170}{10000} = 0.117 \text{ Ha}$
 $= 0.117 \text{ Ha}$

3. Box cutting
 Excavation for roadway
 in soil — do —
 $2 \times 13 \times 30 \times 0.525 \times 0.10 = 40.95 \text{ m}^3$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
④ const. of embankment					
with approved material					
deposited from roadway					
do					
2x 2x 30x 0.50x 0.45					27.0m ³
					limit: 24.57m ³
⑤ const. of embankment					
with material obtained					
from borrow pits					
do					
For 1000m lead					
2x 4x 30x 0.75x 0.4					72m ³
RPSi	2x 30x 30x 0.75x 0.5				67.50m ³
				Total	139.50m ³
				Limit	124.63m ³
⑥ const. of subgrade and					
earthen shoulders					
do					
side of WSB					
2x 13x 30x 0.475x 0.10					37.05
side of WBM					
2x 13x 30x 0.625x 0.075					36.56
				Total	73.61m ³
⑦ const. of granular sub-					
base					
do					
as per tech. specification					

Continuation

P. T. 0

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
G.S.B in widening					
$2 \times 13 \times 30 \times 0.525 \times 0.10 =$					$40.95m^3$
For extra profile correction					
$10 \times 4.5 \times 3.0 \times 0.1 =$					$13.50m^3$
G.S.B in full width					
$5 \times 30 \times 3.7 + 3$					
$5 \times 30 \times 3.6 \times 0.1 =$					$54.0m^3$
$9 \times 30 \times 3.4 \times 0.1 =$					$91.80m^3$
$1 \times 30 \times \frac{(3.3 + 4.5)}{2} \times 0.1 =$					$11.70m^3$
				Total	$211.95m^3$
				Limit to	$211.07m^3$

(8) W.B.M gr - III					
Providing, laying spreading					
and compacting stone					
aggregates - - do - -					
as per tech. specification					
$5 \times 30 \times 3.6 \times 0.075 =$					
$5 \times 30 \times 3.4 \times 0.075 =$					$38.25m^3$
$9 \times 30 \times 3.25 \times 0.075 =$					$65.81m^3$
$1 \times 30 \times \frac{(3.2 + 4.2)}{2} \times 0.075 =$					$8.325m^3$
				Total	$112.385m^3$
				Limit to	$111.88m^3$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(9) Prime coat.					
Providing and applying					
primer coat with					
bitumen emulsion ss-1					
do					
as per tech. specification					
$5 \times 30 \times 3.4 =$					510 m^2
$9 \times 30 \times 3.25 =$					877.50 m^2
$1 \times 30 \times \left(\frac{3+4}{2} \right) =$					105.0 m^2
				Total	1492.50 m^2
				Unit	1491.75 m^2

(10) Tack coat					
Providing and applying					
tack coat with bitumen					
emulsion - do -					
ent: Area used for					
tack coat is same					
as area used for					
prime coat =					1491.75 m^2

(11) mix seal surface.					
Providing, laying					
and rolling of close					
graded premix					
surfacing - do -					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
as per tech. specifications					
Area used for					
mess is same as					
is area used for					
jack coat	2				1491.75m ²
(12) Boundary pillar					
Reinforced cement					
concrete	m-15				
do					
				ant =	8 Nos.

(13) Kilometer stone					
Reinforced cement concrete					
m-15 grade Kilometer					
stone - do					
(i) Km stone -				ant =	2 Nos.
(ii) 200m stone -				ant =	1 No.

(14) Traffic sign					
Providing & fixing of					
retro-reflectors					
cautionary, mandatory					
and informative sign					
do					
as per tech. specifications					

Continuation

P.T.O

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(i) 600 mm equilateral triangle board - ant	1 No.				
(ii) 600 mm circular board	1 No.				
(iii) 600 mm x 450 mm rectangular board -	1 No.				
(15) Providing and erecting direction and place identification - do - intermediate sign board -	1 No.				
(16) Road marking with hot applied Thermoplastic Providing and laying of hot applied Thermo- plastic compound 2.5 mm Thick - - do - -					
RSI $2 \times 13 \times 30 \times 0.10 =$	78.0 m ²				
(17) Providing & fixing of typical informatory sign board with logo - - do - -					
Providing and fixing logo of project -	1 No.				
citizen information board -	1 No.				
maintenance board -	1 No.				
Continuation	Total 3 No.				

Abstract of cost

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1. setting out billars					
— do —					
ent = 0.390 km P-①					
item - ① @ Rs 6012.41					
				Rs	2345 =
2. clearing & grubbing road land - do -					
ent = 0.117 Hect					
P-① item - ②					
@ Rs 51133.76/hect					
				Rs	5983 =
③ Box cutting					
— do —					
ent = 40.95 m ³ P-①					
item - ③ @ Rs 126.24					
				Rs	5170 =
④ const. of embankment					
— do —					
ent = 24.57 m ³ P-②					
item - ④ @ Rs 88.36 =					
				Rs	2171 =
⑤ const. of embankment					
— do —					
ent = 124.63 m ³ P-②					
item - ⑤ @ Rs 184.30 = Rs					229692
Continuation					38638 =

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(6) const. of subgrade & earthen shoulder					
— do —					
Qnt = 73.61 m ³ P-(2)					
item - (6) @ Rs 210.88					
					= Rs 155232
(7) const. of granular sub base — do —					
Qnt = 211.07 m ³ P-(3)					
item - (7) @ Rs 3397.26					
					= Rs 717060
(8) W.B.M. gr. - III					
— do —					
Qnt = 111.88 m ³ P-(3)					
item - (8) @ Rs 4130.19					
					= Rs 4620862
(9) Prime coat					
— do —					
Qnt = 1491.75 m ² P-(4)					
item - (9) @ Rs 45.62					
					= Rs 68054
(10) Tack coat					
— do —					
Qnt = 1491.75 m ² P-(4)					
item - (10) @ Rs 15.69					
					= Rs 23406
Continuation					Total Rs 1324767

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(11) mix seal surfacing					
do					
ent = 1491.75 m ²	P-(4)				
item - (11)	@ Rs 246.59				
				= Rs 367851	
(12) Boundary pillar					
do					
ent = 8 No. P-(5)	item - (12)				
@ Rs 509/11	= Rs 40722				
(13) Kilometer stone					
(i) km stone					
ent = 2 No. P-(5)					
item - (13)(i)					
@ Rs 2247.47	= Rs 4495				
(ii) 200 m stone					
ent = 1 No. P-(5)					
item - 13(ii) @ Rs 629.07					
	= Rs 629				
(14) Traffic sign					
do					
(i) 600 mm equilateral triangle					
ent = 1 No. P-(6)					
item - 14(i) @ Rs 3582.12					
	= Rs 3582				

Continuation

1705396

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(ii) 600 mm circular					
ent = 1 No. P- (6)					
item - 14 (ii) @ Rs 4740.23					
				= Rs	47402
(iii) 600 mm x 450 mm rectangular					
ent = 1 No. P- (6)					
item - 14 (iii)					
@ Rs 4643.72 = Rs					46442
(15) Providing & erecting direction & place identification - do.					
ent = 1 No. P- (6)					
item - (15) @ Rs 10424.19					
				= Rs	104242
(16) Road marking with hot applied Thermo-plastic - do - -					
ent = 78.0 m ² P- (6)					
item - (16) @ Rs 735.44					
				= Rs	573642
(17) Providing & fixing of typical informative sign board - do					
ent = 3 No. Page - (6)					
item - (17) @ Rs 9387.41 / N = Rs					281622

Continuation

18107302

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(18) Brick masonry work in cement mortar do					
ent = 2.88 m ³ P- (7)					
itm - (18) @ Rs 6538.91					
					= Rs 18832.2
(19) Providing pcc m-20 copy do					
ent 12.0 m P- (7)					
itm - (19) @ Rs 417.85					
					= Rs 5014.2

(20) Plastering with cement mortar do					
ent - 20.160 m ² P- (7)					
itm - (20) @ Rs 166.04					
					= Rs 3347.2
Total Rs 1837923.2					
Add W.T - 12%	(+)				Rs 220551.2
Add Labour chp 1%	(+)				Rs 18379.2
Add Saigniorage fee	(+)				Rs 23052.2
Total Rs 2076853.2					
Less 0.21% as per agreement	(-)				Rs 4361.2
Total Rs 2072492.0					
2095544					
C.P.					
16/7/21					
ER					

G Singh
 04/08/2021
 JE
 RP 8m
 7-7-2021
 AE
 EK

Continuation