

12418.140-3231

शांति कपूर दूर ५/२५५ डैला से शांति कपूर रुको रको ५५५
दफ्तरी ५५५ ५५५ - 33 SBD/20-21

17547

SUB-DIVISION

MEASUREMENT BOOK

PI-B-N-D-3231

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work —	Manikpur Purah				
Paschim talu to Manikpur school tak					
Agency —	Shircon Estate Pvt. Ltd				
Agreement No —	33 SBD/20-21				
Agreement date —	28/8/20				
Completion date —	27/8/21				
(As per agreement)					
Agreement value —	Rs 101,80,760 L				
Maintenance Value —	Rs 11,05,983.00				
Authority —	E.E.R.W.D, Chapra-2				
① Setting out pillar.					
ARTSP — ①①					
② Bench mark —	1 NO -				
③ Reference pillar —	4 NO.				
③ clearing and grubbing					
$2 \times 55 \times 25 \times 3.60 = 9900 \text{ M}^2$					
$2 \times 4 \times 1 \times 3.60 = 28.8 \text{ "}$					
9928.80 M^2					
Or 1 Hectar = 0.630 Hectare = 0.37 hect					
④ Excavation of roadway —					
$2 \times 34 \times 25 \times 0.525 \times 0.100 = 89.25 \text{ M}^3$					
$2 \times 29 \times 1 \times 0.525 \times 0.100 = 3.065 \text{ "}$					
c/c portion: —					
$2 \times 20 \times 25 \times 0.375 \times 0.100 = 37.50$					
129.80 M^3					
Less previous qty (-)	74.25 "				
55.55 M^3					
(5/7) Const ⁿ of subgrade —					
G.S.B $2 \times 34 \times 25 \times 1.40 \times 0.200 = 476.00 \text{ M}^3$					
$2 \times 29 \times 1 \times 1.40 \times 0.200 = 16.24$					
Gr II $2 \times 34 \times 25 \times 1.40 \times 0.075 = 157.50$					
$2 \times 29 \times 1 \times 1.20 \times 0.075 = 5.22$					
⑤ 654.96 M^3					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Rigid portion: -</u>					
E/c	2x20x25	0.625	0.100		62.50 M ³
Grit	2x20x25	0.625	0.075		46.88 "
c/c pavement	2x20x25	0.625	0.160		100.00 "
Hard Soling	2x20x25	0.375	0.125		46.88 "
			(B)		256.26 M ³
<u>Total qty (A+B) = 911.22 M³</u>					
less provision qty (-)					468.375 "
					442.85 M ³
<u>(6/8) GSB -</u>					
<u>Profile Correction -</u>					
	2x4.70x1.95	0.075			1.375 M ³
	13x4.65x1.90	0.075			8.61 "
	11x2.50x2.25	0.075			7.84 "
	2x34x25	0.525	0.100		89.25 "
	2x29x0.525	0.100			3.045 "
	1x35x25x4.05	0.100			354.37 "
	1x1x4x4.05	0.100			1.620 "
					467.61 M ³
less provision qty (-)					205.50 "
VTMBP-② (B)					262.11 M ³
<u>(7/9) Roading and laying</u>					
<u>WBM Gr-III</u>					
	35x25x3.75	0.075			246.09 M ³
	1x4x3.75	0.075			1.125 "
					247.215 M ³
less provision qty (-)					98.437 "
VTMBP-③					148.778 M ³
<u>(8/10) Roading and apply</u>					
<u>prime coat -</u>					
	35x25x3.75				3281.25 M ²
	1x4x3.75				15.00
					3296.25 M ²

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(9/11) Proving and applying tack coat. Qty as per.					
Item No - (8) 3296.25 M ²					
(10/12) 20 mm thick primix carpet. Qty as per item					
(MSS) NO - (9) 3296.25 M ²					
(11/13) GSB in circ pavement					
portion -					
profile correction					
$18 \times 3.2 \times 1.75 \times 0.075 = 7.56 \text{ M}^3$					3
$2 \times 20 \times 25 \times 3.175 \times 0.100 = 37.50 \text{ M}^3$					3
Loss Qty provision					65.06 M ³
VTMBP - 3 (A)					37.50
					7.56 M ³

(12/16) - Back filling -					
$2 \times 20 \times 25 \times 0.375 = 37.5 \text{ M}^2$					
(13/17) km slope - 2 NO.					
(14/18) 200 M Slope - 6 NO -					
(15/19) Boundary pillar - 100 NO -					
(16/20) Infra matory sign board - 10 NO					
(17/21) 900 mm. equilateral and triangle - 6 NO -					
(18/22) 600 x 450 mm rectangle - 4 NO.					
(19/23) Road marking					
$2 \times 35 \times 25 \times 0.100 = 87.50 \text{ M}^2$					
$2 \times 4 \times 0.100 = 0.40 \text{ M}^2$					
$2 \times 87.90 = 175.80 \text{ M}^2$					
(20/24) Road Marking in circ portion -					

Continuation
 $2 \times 20 \times 25 \times 0.100 = 100.0 \text{ M}^2$

P	Particulars	Details of actual measurement				Contents of area
		No.	L.	B.	D.	
	(21/26) Direction and placing					
	Segn —	1	NO.			
	(22/27) M/M G.S. logo bored —	6	NO.			
	(23/28) E/W in excavation in form					
	For 2 NTS —					
	$2 \times 2 \times 6.450 \times 1.40 \times 1.50 = 5.18 \text{ M}^3$					
	Below pipe — $2 \times 4.850 \times 1.530 \times 0.365 = 5.42''$					
						59.60 M ³
	(24/29) P.C. (1:2.5:5) M ₁₅ in form					
	H/W — $2 \times 2 \times 6.450 \times 1.40 \times 0.150 = 5.418 \text{ M}^3$					
	Below pipe — $2 \times 4.931 \times 1.530 \times 0.250 = 3.772''$					
						9.19 M ³
	Loss for pipe					
	$2 \times 0.250 \times 0.7857 \times (1.230)^2 \times 5.496$					3.266 M ³

Net Qty — $9.19 - 3.266 = 5.924 \text{ M}^3$

(25/30) P/W (1:4) 202th Ceu —

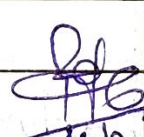
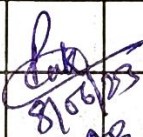
H/W — $2 \times 2 \times 6.150 \times 0.825 \times 2.580 = 52.362 \text{ M}^3$	
Parapet — $2 \times 2 \times 6.150 \times 0.400 \times 1.200 = 11.81''$	
	64.17 M ³
Loss for pipe —	
$2 \times 2 \times 0.7857 \times (1.230)^2 \times 0.622 = (-) 2.956$	
	61.214 M ³

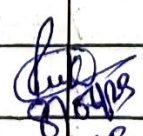
(26/31) Crst for N P₃ pipe 1000mm dia —

$2 \times 7.50 = 15.0 \text{ M}$

(27/32) Plastering 202th Ceu (1:4)

Outer — $2 \times 2 \times 6.150 \times 3.780 = 92.988 \text{ M}^2$	
Side	
Inside — $2 \times 2 \times 6.150 \times 0.600 = 14.760''$	
Top — $2 \times 2 \times 6.150 \times 0.400 = 9.840''$	
Ends — $2 \times 4 \times 0.825 \times 2.580 = 17.028''$	
Ends parapet — $2 \times 4 \times 0.400 \times 1.20 = 3.840$	
Continuation	138.456 M ²
Loss for pipe —	
$2 \times 2 \times 0.7857 \times (1.230)^2 = (-) 4.754''$	
	133.702 M ²

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(28/33) - 1.5 mm thick real - paving —					
Top — $2 \times 2 \times 6.150 \times 0.400 = 9.840 \text{ M}^2$					
End parapet — $2 \times 4 \times 0.400 \times 1.20 = 3.840 \text{ "}$					
Inside — $2 \times 2 \times 6.150 \times 0.600 = 14.76 \text{ "}$					
					28.44 M ²
(29/34) painting two coats -					
$2 \times 2 \times 2 \times 6.150 \times 3.780 \times 2.50 = 232.47 \text{ M}^2$					232.47
					464.94 M ²
 8/6/23 JG					
 8/6/23 AB					

Material Statement					
E/W M ³	Metal M ³	Dust M ³	Chips M ³	Bricks No -	
498.40	226.02	97.08	-	-	
-	180.02	35.71	-	-	
-	-	-	89	-	
-	-	28.90	-	24875 No	
498.40 M ³	406.57 M ³	161.69 M ³	89 M ³	24875 No	
 8/6/23 JG					
 8/6/23 AB					

Continuation

Abstract of Crest.

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Sc Sch. XLV—Form No. 134

Sc Sch. XLV—Form No. 134							
P	Particulars	Details of actual measurement				Contents of area	
		No.	L.	B.	D.		
①	Setting out. 2VBP-⑩⑪						
	1 No. CR ₅ 4007.96 each R ₅ 4007=00						
②	Reference pillar.						
	2VBP-⑪ 4 NO						
	CR ₅ 1838.23 each R ₅ 7353=00						
③	clearing and grubbing						
	2VBP-⑪ 0.630 hect						
	" " ⑩ 0.370 "						
	1.0 hect						
	CR ₅ 50148.62/hect R ₅ 50149=00						
④	Excavation of roadway						
	2VBP-⑫ 74.25 M ³						
	" " ⑩ 55.55 " 3						
	129.80 M ³						
	CR ₅ 75431 M ³ R ₅ 9291=00						
⑤	Const ² of embankment						
	2VBP-⑫ 1000 M lead						
	781.07 M ³						
	CR ₅ 155.23/M ³ R ₅ 121245=00						
⑥	Const ² of embankment						
	For 100 M lead -						
	2VBP-⑫ 1504.49 M ³						
	CR ₅ 130.88/M ³ R ₅ 196907=00						
⑦	Const ² of subgrade -						
	2VBP-⑫ 468.375 M ³						
	" " ⑩ 442.850 "						
	911.220 M ³						
	CR ₅ 195.94/M ³ R ₅ 178544=00						
⑧	G.S.B. in BT portion						
	2VBP-⑬ 205.50 M ³						
	" " ⑩ 262.11 "						
	467.61 M ³						
	CR ₅ 2952.86/M ³ R ₅ 1380787=00						
	Continuation						

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑨ WBM Gr III.					R 1948783=00
QVBP—③			98.437M		
" " ②			148.778"		
			247.215M		
CR 4397.92/M					R 1087232=00
⑩ Pucc coat. QVBP—②					
3296.25 M ² CR 49.62/M ²					R 163560=00
⑪ Tack coat. QVBP—②					
3296.25 M ² CR 16.11/M ²					R 53103=00
⑫ M.S.C. QVBP—②					
3296.25 M ² CR 246.18/M ²					R 81147=00
⑬ G.S.B. in c/c portion.					
QVBP—②			37.50 M		
" " ③			7.56 "		
CR 2952.86/M ³					R 133056=00
⑭ WBM Gr III in c/c portion					
QVBP—③			140.623 M ³		
CR 4397.92/M ³					R 618449=00
⑮ c/c pavement QVBP—③					
303.0 M ³ CR 8105.12/M ³					R 245585=00
⑯ Brick soling in c/c portion					
QVBP—②			375.0 M ²		
CR 487.66/M ²					R 183622=00
⑰ Kurr stone. QVBP—②					
2 No CR 2392.63 each					R 4785=00
⑱ 200 M Stone. QVBP—②					
6 No CR 67.92 each					R 4032=00
⑲ Boundary pillar.					
QVBP—②					
100 No CR 507.40 each					R 50740=00
					R 7514684=00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(20) Informatory sign board					
QVBP-(22)	10 NO.				
CRs 5603.28 each					Rs 56033=00
(21) 900 mm equilateral					
QVBP-(22)	6 NO.				
CRs 6224.58 each					Rs 37347=00
(22) 600 X 450 mm rectangle					
QVBP-(22)	4 NO				
CRs 5453.25 each					Rs 21813=00
(23) Road marking in BT					
QVBP-(22)	175.80 M ²				
CRs 942.80/M ²					Rs 165760=00

(24) Road marking in section					
QVBP-(22)	100.00 M ²				
CRs 1048.07/M ²					Rs 104807=00
(25/26) direction and placing sign					
QVBP-(23)	1 NO				
CRs 3492.13 each					Rs 3492=00
(26/27) MM & Sy logo board					
QVBP-(23)	6 NO				
CRs 9475.41 each					Rs 56852=00
(27/28) B/W in excavation					
QVBP-(3)	59.596 M ³				
" " (23)	59.600 M ³				
	119.196 M ³				
CRs 266.02/M ³					Rs 31469=00
(28/29) PCC M/S. B					
QVBP-(3)	5.924 M ³				
" " (23)	5.924 M ³				
	11.85 M ³				
CRs 5686.27/M ³					Rs 67371=00
					Rs 8059628=00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(29/30) B/W (1/4)				R _s 8059628=00	
av BP - (23)				61.214 M ³	
" " (23)				61.214 "	
				122.428 M ³	
@ R _s 6015.14/M ³				R _s 736422=00	
(30/31) Crest for NP ₃ hump pipe					
av BP - (23)				15.00 M	
" " (23)				15.00 "	
				30.00 M	
@ R _s 4078.65/M				R _s 122360=00	
(31/32) Plastering (1/4)					
av BP - (23)				133.702 M	
" " (23)				133.702 "	
				267.40 M ²	
@ R _s 148.53/M ²				R _s 4066=00	
(32/33) 150 mm thick neat-furring.					
av BP - (24)				28.44 M ²	
@ R _s 49.48/M ²				R _s 1407=00	
(33/34) Paving two coat.					
av BP - (24)				464.94 M ²	
@ R _s 110.65/M ²				R _s 51446=00	
				R _s 9016329=00	
Less 2.79% for bellow (-)				R _s 251556=00	
				R _s 8764773=00	
Less previous payment (-)				R _s 4394371=00	
				R _s 4370402=00	
JJE 8/6/23				ABE 8/6/23	EE 08/06/23

Continuation