

MMWSY (GEN) 2020-21

Schedule XLV-Form No. 134

Pokhna PMWSY Road to Sankar Bi jha

(23564/2021-22)

(mmwsy-gen)

Executive Engineer R.W.D. Work- DIVISION -

Jehanabad

H.E. R.W.D. WORK.

SUB-DIVISION -

Rafnifardpur

MEASUREMENT BOOK

NO-2810

Ravi Ranjan Kumar

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
-: Abstract of Cont:-					
① Provision and fixing of working benchmark etc all op. etc					
Qty vide TMS on Page no (14)					
1 No @ 3785	12/ No =				3785
② Provision & fixing reference Pillars etc all complete etc					
Qty vide TMS (14) etc					
3 Nos @ 1721	= 26 / No =				5165
③ Clearing and grubbing soil and etc all op. etc					
Qty vide TMS on Page no (14)					
0.48 Hect @ 52970	33/Hect =				25426
④ Construction of embankment etc (Level up to 1000 m)					
Qty vide TMS on Page no (14)					
Qty vide TMS on Page no (21)					
6.50 m ³ @ 75 = 57/m ³	=				5100
⑤ Construction of embankment with approved material etc all op. etc Level 1000 m					
Qty vide TMS on Page no (21)					
40.50 m ³ @ 56 = 2274/m ³	=				2274
⑥ Construction of embankment with material obtained from borrow pits etc all op. etc Level 1000 m					
Qty vide TMS on Page no (31)					162245
544.35 m ³ @ 190 = 103617	=				103617
852.35 m ³					

C.O. In 145,3674

Continuation 2104,595

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
② Construction of embankment with material obtained from borrow pits laid up to 100 m (22)			13.41 m		1,45,367
620.332 m ³ 171 = 29/m ³ = 11					132341
770.366					106574
⑧ Construction of Subgrade of earthen shoulder of all op-2					
Qty vice TMB on borrow					
on page 10 (15) -			134.8	20 m ³	
on borrow (18) -			362	356 m ³	
			1710	558 m ³	
			214297/m ³ = 11		367718
⑨ Construction of G.S.D. Gravel-I material etc - all op-2 is vice TMB on borrow					
on borrow (15) -			429.98 m ³		
on page 10 (17) -			58-20 m ³		
			488.68 m ³		
			488.54 m ³		
			2029 = 75/m ³ = 13		982555
⑩ Paving with W.B.M. Gr-3 etc all capital jobs					
Qty vice TMB on borrow (21)					
187.313 m ³ 2499 = 73/m ³ = 11					468232
			C.O. 11		2,75,446
					21,60,404

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(11) Paved Paved road with Bitumen emulsion (SS-1) etc all complete work Qty. vide TMB on page (22)					2,75,446
1912.50 m ² $41=12/m^2 = R$					28642
(12) Paved Tack coat with Bitumen emulsion (RS-1) etc - all complete work Qty. vide TMB on page (22)					
1912.50 m ² $14=0.5/m^2 = R$					26871
(13) Paved Mid. Sed. Surfacing all complete work Qty. vide TMB on page (22)					
1912.50 m ² $171=57/m^2 = R$					328070
(14) Construction of un-reinforced concrete pavement etc. all complete work Qty. vide TMB on page (21)					
129.60 m ³ $5326.87/m^3 = R$					956706
(15) Paved kilometer stones 1 No. 1987-247 / No 2 K					1987
(16) 200 m stone 4 No. 570-244 / No 2 R					2282
					C = 0.41 342000
					35,54,999

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement			Contents of area
	No.	L.	B. D.	
(25) Rumble strips —			B. P. 36,51,301	
(12) vide TMS on page no.	(19)			
22.50 m ² > 24 = 95/m ² = 18				1644
(26) Direction and place indicators etc. etc. op. 24				
2 m ² 31.62 = 44/m ² = 15				6325
(27) Plants & trees and their maintenance for one year etc.				
(12) vide TMS on page no.	(22)			
10 m ² 8412.14 / m ² = 15				8411
(28) Painting of Road etc.				
3 m ² 948 = 58/m ² = 11				28455

(29) G.W. in excavation for structure etc. all op. 24				
(12) vide TMS on page no.				
on page no. (7) —			31.323 m ³	
on page no. (8) —			130.225 m ³	
on page no. (18) —			24.655 m ³	
on page no. (19) —			119.02 m ³	
Total			355.273 m ³	
Limited to			352.824 m ³	
@ 305 = 42/m ³ = 15				107264
(31) Provision of PCC mix in foundation etc. all op. 24				
(12) vide TMS on				
on page no. (7) —			5.691 m ³	
" (7) —			27.739 m ³	
" (8) —			13.027 m ³	
" (8) —			125.19 m ³	
" (18) —			65.10 m ³	
" (18) —			6.434 m ³	
" (18) —			19.96 m ³	
" (19) —			14.92 m ³	
" (19) —			66.80 m ³	
Total			332.366 m ³	

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
② 4446-76/m ³ = 2				1477	952
③0 Paved sub 815 in foundation + travel up all cap 2					
Qty vial TMS on Area 20 (19)					1655200
2.02 m ³ 525 236 m ³					
③2 Paved Rec M20 in					
Sub structure etc - all cap 2					
Qty vial TMS					
on Area ③ -				2.895 m ³	
" ③ -				1.659 m ³	
" ③ -				39.390 m ³	
" ③ -				4.43 m ³	
				48.374 m ³	
② 5225 40/m ³ = 2					25274
③3 Paved Bituminous Peinty Over top surface of abutment etc all up					
Qty vial TMS on Area ③					
15.0 m ² 14205/m ² = 13					211
③4 Paved Rec M25 in Deck slab etc all up					
Qty vial TMS on Area ③					
8.01 m ³ 639216/m ³ = 14					50616
③5 Supply 4 YSD bars 20m length etc					
Qty vial TMS on Area					
1.02 m ³ 55599 = 24/m ³ = 13					56711

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(30) Paved and fill zone					
loosely compact etc. etc.					
complete 215					
Qty. v. l. t. m. Bon for m (21)					
150 m	4607	1 m	1 m		616
(31) Paved with 100 kg					
190 m	1200	1 m	1 m		22992
(32) Paved with 100 kg	1183	1 m	1 m		18005
(33) Paved with 100 kg	1500	1 m	1 m		18005
Add 1% for labor cost (+) B					57844
Add 12% for G.S.T (+) B					694131
Add section survey fees (+) A					83921
					Total 21 650399
					662133
Less 0.09% as per agreement (-) B					5854
					5958

					Total = 13 6498039
					13 6614365
					25 666444
					20 95229
					28 79884
					40 48323
					37 34481

—! Material Statement!—

(1) Earth -	3298.057 m ³
(2) Stone masonry -	663.039 m ³
(3) Stone chips -	478.279 m ³
(4) Course sand -	452.290 m ³
(5) Stone screening -	44.955 m ³
(6) Local sand =	2.424 m ³
(7) Bitumen Emulsion (SS-1) =	1.612 MT
(8) Bitumen Emulsion (RS-1) =	0.525 m ³
(9) Bitumen (S-90) =	3.634 MT

Continuation