

with a nearby

Name of Work - Construction of road
from Panisodra to Sadipur

Bhutha Paschim

Name of Agency - Babbar Ali

Represent no - 62 SBD / 2018-19

Date of Commence -

Date of actual Completion -

Date of Measurement - 27/09/19

Date of entry -

(1)

PIV level finding bench

(11)

more - do - do -

(1) Bench mark
Vide Page No. (18) - 2 m, 4,

① R. 5008.90 with 10018.40

CO% 10,018.40

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B.R. 10.018	2
(2) Reference pillar -					
vide Plan No - 18 - 5 m.					
				OR 2281.90	11409.20
(3) clearing and grubbing					
do - do					
vide Plan No (19) 0.995					
				OR 49124.86	47208.20
(4) Construction of embankment					
with approved material					
obtained from borrow pit					
do - do					

Chainage	Fill Area	Mean Fill Area	Distance	Fill Qty
0.00	3.254	0.00	50.0	0.00
50.0	5.257	4.506	50.0	225.225
100.00	3.24	4.499	50.0	224.925
150.00	3.167	3.204	50.0	160.125
200.00	3.331	3.269	50.0	163.450
250.00	3.121	3.246	50.0	162.300
300.00	4.563	3.842	50.0	192.100
350.00	4.695	4.629	50.0	231.450
400.00	3.442	4.069	50.0	203.425
450.00	4.525	3.894	50.0	199.125
500.00	4.227	4.367	50.0	218.850
550.00	4.61	4.419	50.0	220.950
600.00	4.531	4.444	50.0	228.525
		4.531		

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
650.00	4.296	$\frac{4.914}{4.825}$	50.00	245.625	'
700.00	4.353	$\frac{4.825}{4.394}$	50.00	241.225	'
750.00	4.434	$\frac{4.394}{4.625}$	50.00	219.625	'
800.00	4.815	$\frac{5.858}{4.625}$	50.00	331.225	'
850.00	6.901	$\frac{5.923}{5.825}$	50.00	292.900	'
900.00	5.945	$\frac{4.691}{5.923}$	50.00	296.150	'
950.00	4.436	$\frac{5.709}{4.691}$	50.00	234.525	'
994.00	6.982	$\frac{6.743}{5.709}$	44.00	251.196	'
1000.00	0.00	6.743	0.00	0.00	
1050.00	6.504	5.319	50.00	265.950	'
1025.00	4.123	4.308	25.00	107.688	'
				4816.734	m ³

Deductor.				
Sub grade.			1913.25	m ³
C/S B			682.14	"
Crade III			285.90	"
P.C.C.			309.93	"
B.T.			41.24	"
			3232.46	m ³
			(4816.73 - 3232.46) = 1584.27	m ³
(i) For 100 m lead -			610.81	m ³
(ii) For 100 m lead -			968.89	m ³
(15) Construction of Sub grade and earthwork				
shoulder			do do	
Vide para No (19)			1913.25	m ³
			2 x 543.0 m x 1.182 x 0.025 = 96.0	m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2 x	543.0	x 1.388	x 0.20	L	301.47 ³
2 x	515.0	x 0.385	x 0.160	L	61.80 "
2 x	515.0	x 0.385	x 0.025	L	28.968 "
2 x	515.0	x 0.385	x 0.10	L	38.625 "
					2440.11 ³
(6) Plv Circular Sub					
base with well graded					
18 x	30.0	x 4.05	x 0.20	L	437.40 ³
1 x	3.0	x 4.05	x 0.20	L	2.43 "
C-c Portn. 17	x 30.0	x 3.85	x 0.10	L	191.25 "
1 x	5.0	x 3.85	x 0.10	L	1.825 "
Widening curve - 1	x 5.0	$\frac{7.0+4.05}{2}$	x 0.20	L	5.52 "

3 x	15.0	x $\frac{4.05+5.30}{2}$	x 0.20	L	40.20 "
2 x	8.0	x $\frac{3.85+4.85+3.85}{3}$	x 0.10	L	6.57 "
Deduct					685.24 ³
1 x	50.0	x 4.05	x 0.20	=	40.50 ³
1 x	16.0	x 3.85	x 0.10	L	6.16 "
					46.50 ³
(685.24 - 46.50) =					638.74 ³

(7) Plv Laying spreading					
and Compacting					
do do					
18 x	30.0	x 3.85	x 0.025	L	151.87 ³
1 x	3.0	x 3.85	x 0.025	L	0.84 "
17 x	30.0	x 3.85	x 0.025	L	143.44 "
1 x	3.0	x 3.85	x 0.025	L	0.84 "

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Widening curve - 1	$\times 5.0$	$\times \frac{6.20 + 3.25}{2}$	$\times 0.025$		1.96 "
3	$\times 15.0$	$\times \frac{3.25 + 5.0 + 3.25}{3}$	$\times 0.025$		14.06 "
2	$\times 8.0$	$\times \frac{3.25 + 4.85 + 3.25}{3}$	$\times 0.025$		4.94 "
Deduct:					317.95 m ³
1	$\times 50.0$	$\times 3.25$	$\times 0.025$		14.06 "
1	$\times 16.0$	$\times 3.25$	$\times 0.025$		4.50 "
					18.56 m ³
					(317.95 - 18.56) = 299.39 m ³
(8) Plv and applying Prime Coat	do	do	do		
18	$\times 30.0$	$\times 3.25$		2025 m ³	
1	$\times 3.0$	$\times 3.25$		11.25 "	
1	$\times 5.0$	$\times \frac{6.20 + 3.25}{2}$		26.12 "	
3	$\times 15.0$	$\times \frac{3.25 + 5.0 + 3.25}{3}$		187.50 "	
Deduct:					2249.87 m ³
1	$\times 50.0$	$\times 3.25$		187.50 "	
					2062.37 m ³
(9) Plv applying Javel Coat	do	do	do		
18	$\times 30.0$	$\times 3.25$		2025.00 m ³	
1	$\times 3.0$	$\times 3.25$		11.25 "	
1	$\times 5.0$	$\times \frac{6.20 + 3.25}{2}$		26.12 "	
3	$\times 15.0$	$\times \frac{3.25 + 5.0 + 3.25}{3}$		187.50 "	
Deduct:					2249.87 m ³
1	$\times 50.0$	$\times 3.25$		187.50 "	
					2062.37 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			8		
(10) P.V. laying and rolling					
Premium Surfacing					
of 20 mm thickness.					
— do — do —					
18 x 30.0 x 3.25				2025	sq m
1 x 3.0 x 3.25				11.25	"
1 x 5.0 x $\frac{6.20 + 3.25}{2}$				26.12	"
3 x 15.0 x $\frac{3.25 + 5.0 + 3.25}{3}$				187.50	"
Deduct:				2249.87	"
1 x 50.0 x 3.25				187.50	"

2062.37 sq m

(11) Construction of Cement
unreinforced plaster
Cement Concrete Pavement
— do — do —

Qty Vide Para No (12)

309.04³2 x 8.0 x $\frac{3.25 + 4.25 + 3.25}{3}$ x 0.16 = 10.53 "

Deduct:

319.53³

1 x 16.0 x 3.25 x 0.16 = 9.60

= 309.93³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(12) Reinforced Cement Concrete Hrs grade kilometre stone — do - do —					
(i) ordinary k-stone - 2 m.					
(ii) 200 m stone - 5 m.					
(13) Plv and timing logo typical information sign board with logo — do - do — — 4 m.					
(14) Printing new letter and figures of any shade with paint — — do - do — — 132.0 m					
(15) Plv retro reflector used trade sign — do - do —					
(i) 600 mm equilateral — — 8 m.					
(ii) 800 x 600 mm rectangular — 2 m.					
(iii) 600 mm x 400 mm rectangular — 2 m.					
(iv) 900 mm side octagon — 2 m.					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(16) Road Marking with					
hot applied thermoplastic					
— do — do —					
2x 543.0 x 0.10 = 108.60 m					
(17) P.V. and Laying and					
hot applied road					
marking — do — do —					
2x 515 x 0.10 = 103.00 m					
600 mm 1:1 P.C. Culvert					
(18) E/W in excavation in					
fuel — do — do —					
Vide Plan No (2) - 15.66 m ²					
(19) P.C. (M15) —					
— do — do —					
Vide Plan No (2) 2.850 m ²					
(20) plain Cement Concrete					
In Sub structure —					
— do — do —					
Vide Plan No (3) — 13.436 m ²					
2x 3.60 x 0.40 x 0.60 = 2.1728 m					
— 15.164 m ²					
(21) P.V. and Laying Rec					
Pipe NPs — do — do —					
Vide Plan No (3) — 7.50 m ²					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(22) PIV Parting two Cals					
— do — do —					
$2 \times 3.60 \times 0.400 = 2.88 \text{ m}^2$					
$4 \times 3.60 \times 0.600 = 8.64 \text{ m}^2$					
$4 \times 0.400 \times 0.600 = 0.960$					
<u>1000 m² H²</u>					12.480 m ²
(23) B/W in structure in					
fuel — do — do —					
Vide Plan No (1) 59.60 m ²					
(24) p.e. (HIS) —					
— do — do —					
Vide Plan No (2) 9.19 m ²					

(25) Plain Cement Concrete					
in Sub structure					
— do — do —					
Vide Plan No. (2) — 61.58 m ²					
Parab -					
$2 \times 2 \times 6.15 \times 0.40 \times 0.60 = 2.90 \text{ m}^3$					
					67.48 m ³
(26) PIV and Laying Rec pipe					
N/3 — do — do —					
Vide Plan No (2) - 15.0 km					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(27) PW Painting on Plaster					
— do — do —					
$2 \times 2 \times 6.15 \times 0.400$					9.84 m^2
$2 \times 4 \times 6.15 \times 0.600$					29.52 m^2
$2 \times 4 \times 0.400 \times 0.600$					1.92 m^2
					41.28 m^2
(28) Plaster Masonry (1:4)					
in Plaster — do — do —					
$2 \times 2.90 \times 0.40 \times 0.60$					1.39 m^3
(29) PW Plaster top of					
Wing wall —					
— do — do —					
$2 \times 2.90 \times 5.80 \text{ m}$					
(30) Plastering with (1:4)					
— do — do —					
$4.0 \times 2.90 \times 0.60$					6.90 m^2
$2.0 \times 2.90 \times 0.40$					2.30 m^2
$4.0 \times 0.40 \times 0.60$					0.96 m^2
					10.24 m^2
(31) Dismantling of existing					
structure — do —					
— do —					
Vide Para No (5)					28.83 m^2

Continuation

Scanned by CamScanner

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>ABSTRACT OF COST</u>					
(1) P.V. and fixing working bench marks / Reference Pillar — do — do —					
Vide Plan No - (24)					
(1) Bench mark - 2 m.					
@ R. 5008.90 each					R. 10018.20
(2) Reference Pillar					
Vide Plan No (25) - 5 m.					
@ R. 2281.91 each					R. 11409.20

② clearly and Crumbing
— do — do —

Vide Para No (25) 0.996 he
@ R. 49134.86/he-R 4208.00

③ Corroⁿ of Emboument
With approved watch.
— do — do —

Vide Para No (26)

① For 100 m level - 610.81⁴
@ R. @ 129.10⁴ - R 109396 = 00

② For 100 m level - 968.89⁴
@ R. 131.31⁴ - R 127225 = 00

Cor R 305256 = 00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B.F.R 30	5256 = 0
(4) Cont ⁿ of Sub grade					
— do — do —					
Vide Plan No (27)					2440.11 m ²
@ R. 181.30/m ²					R. 442392 = 0
(5) Plv Circular of Sub					
base — do — do —					
Vide Plan No. (27)					638.74 m ²
@ R. 2738.53/m ²					R. 1749209 = 0
(6) Plv WBM Gravelly					
ii — do — do —					
Vide Plan No (28)					299.39 m ²
@ R. 3591.58/m ²					R. 1075283 = 0
(7) Plv Prime Coat — do — do —					
Vide Plan No (28)					2062.37 m ²
@ R. 50.11/m ²					R. 103345 = 0
(8) Plv Jack Coat — do — do —					
Vide Plan No (28)					2062.37 m ²
@ R. 16.92/m ²					R. 34895 = 0
(9) Plv M/S/S — do — do —					
Vide Plan No (29)					2062.37 m ²
@ R. 206.12/m ²					R. 425199 = 0

Continuation R. 4285579 = 0

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(11) Cement concrete					
Cement concrete					
do do					
Vide Plan No (29)					
				309.93 m	
				@ R. 7619.24/m ²	R. 2361431.00
(12) Reinforced Cement concrete					
Mis grade				do do	
Vide Plan No (30)					
(1) ordinary concrete - 2 m.					
				@ R. 2461.83 each	R. 4928.00

(11) 200 m stone - 5 m.					
				@ R. 684.47 each	R. 3422.00
(13) Plaster and finishing					
Infantary Singh					
board with logo					
do do					
Vide Plan No (30) - 4 m.					
				@ R. 12453.62 each	R. 49814.00
(14) Printing new letter and					
figure				do do	
Vide Plan No (30) 132.00 m					
				@ R. 0.55/m	R. 74.00

Continuation { 6705244.00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B.R.		
(15) Plv and fixing of retro reflectorised cautionary mark in junction sign.					
— do — do —					
vide Pcn No (30)					
(I) 600 mm equilateral triangle					
— 8 m.					
@ R. 5299.49 each					42396.00
(II) 800 mm x 600 mm rectangle					
— 2 m.					
@ R. 10340.94 each					20682.00
(III) 600 mm x 450 mm rectangle					
— 2 m.					
@ R. 2073.34 each					14147.00
(IV) 900 mm side octagon					
— 2 m.					
@ R. 13328.46 each					28657.00
(16) Road marking with hot applied					
— do — do —					
vide Pcn No (31)					
@ R. 1060.85 / m					115208.00

Continuation

R. 6924334.00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				BF R 64	24334.0
(17) Road marking with hot asphalt thermoplastic					
— do — do —					
vide Plan No (31)			103.00	m ²	
@ R. 1194.09/m ²				R.	123063.00
(18) Bitum concrete in feet — do — do —					
vide Plan No (31)			15.66	m ²	
@ R. 282.43/m ²				R.	4423.20
(19) Plv Rec (H/L) in feet — do — do —					
vide Plan No (31)			2.85	m ³	
@ R. 6223.53/m ³				R.	17737.00
(20) Plain Cement Concrete in sub structure — do — do —					
vide Plan No (31)			15.164	m ³	
@ R. 7187.06/m ³				R.	108995.00
(21) Plv Laying Rec Pipe N/P3 — do — do —					
vide Plan No (31)			7.50	km	
@ R. 1302.29/km				R.	9805.00

Continuation

CO R. 7188357.00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			BF	R. 7187357. v	
(22) Painting two Coats With Synthetic emulsion Paint — do — do —					
Vide Page No (32)		12.48 m			
		@ R. 131.47 / m ²		R. 16412.00	
(23) S/W in area under in feet — do — do —					
Vide Page No (32)		59.60 m ²			
		@ R. 282.43 / m ²		R. 16833.00	
(24) PW Dec (M15) in form —					
		— do — do —			
Vide Page No (32)		9.19 m ²			
		@ R. 6223.53 / m ²		R. 57194.00	
(25) Plain Cement Concrete in Sub structure — do — do —					
Vide Page No (32)		67.48 m ³ 61.58 m ³			
		@ R. 2187.26 / m ³		R. 485030.00	
(26) PW and Laying Rec Pipe Nbs — do — do —					
Vide Page No (32)		15.0 km			
		@ R. 5055.04 / km		R. 75828.00	
Continuation					
				@ R. 7824881.00	

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					Bf R. 2824881.00
(27) PIV Paving two Cords					
With Synthetic					
animal Ponds					
do do					
Vide Plan No (33)		41.28 m			
		@ R. 131.47/m ²			R. 5427.00
(28) PIV Buere masonry wall.					
do do					
Vide Plan No (33)		1.39 m ³			
		@ R. 8198.41/m ³			R. 11396.00

(29) P.e.e (420) top of					
Wing Wall		do	do		
Vide Plan No (33)		5.80 m			
		@ R. 466.49/m ³			R. 2706.00
(30) Planting with cul. (4)					
do do					
Vide Plan No (33)		10.240 m			
		@ R. 219.26/m ²			R. 2245.00
(31) Dismantling of existing					
structure		do	do		
Vide Plan No (33)		28.83 m ²			
		@ R. 470.91/m ²			R. 13576.00

Continuation

CO R. 7860231.00

R. 11811422 40

21 10/19
for

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21
17103/200

21 10/19
for

62-SBD/2018-19/ 30/01/2019

Parisadara To Sadipou Bhatha paschim

MMGSY-(5-C)

Schedule XLV-Form No. 134

Executive Engineer
R.W.D., Works Division

Basin

DIVISION

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SUB-DIVISION

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Measurement Book-

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01/05/2019

21/01/2019