MMGSY-NDB Sanjay Jha ke ghar to Sri Ram pathak ke ghar tak

Measurement Book

Schedule XLV-Form No. 134

ग्रामीण कार्य विभाग DIVISION

कार्य प्रमंडल बेलसंड

ग्रामीण कार्य विभाग SUB-DIVISION

कार्य खंड प्रमंडल रुन्नीसैदपुर

MUNNA KUMAR SINGH MB No- 554

[redacted]

Abstract of cost

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(4/1) P/F working B.M. -do- -> P — tar Sh					
Qty vide TMB, P-01, item-01(9)					
02 nos @ Rs 4962.15/nos				Rs	9924.00
(4/2) P/F of reference pillar -do- — Sh					
Qty vide TMB, P-01, item 2(b)					
07 nos @ Rs 2320.50/no				Rs	16243.[illegible]
(3/1) Excavation for road work in soil with excavator -do- — Sh					
Qty vide TMB, P-11, item-02					
19.20 m3 @ Rs 103.85/m3				Rs	1992.00
(4/5) ~~Const. item~~ Const. of embankment obtained from excavation -do- Sh					
Qty vide TMB, P-30, item-..					
11.22 m3 @ Rs 62.33/m3				Rs	699.00
(5/6) Const. of embankment with approved materials obtained from borrow pit -do- — Sh (lead up to 1km)					
Qty vide TMB, P-11, item-04					
143.70 m3 @ Rs 209.50/m3				Rs	30185.00
(6/7) Const. of embankment with materials obtained from borrow pit -do- — Sh (lead up to 1000 m)					
Qty vide TMB, P-11, item-03					

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Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B	D.	
Name of work:-	Augt. of CD works				
	with 05 years maintenance				
	from Santosh sha ke ghar				
	to Sri Ram pathak ke				
	Ghar Tak under MMGSY				
	NDB scheme for year				
	2023-24.				
Agency:-	Sri [illegible] kr. singh				
Agt. No:-	07/SBD/2023-24				
D/O/S :-		12/08/2023			
D/O/C!-		11/08/2024			

		measurement			
Rate of Entry!-					
① Dismantling existing stone					
like RCC/bricks culvert					
— do — SH					
for cement concrete					
	1×	1.35×	1.55×	0.10	= 0.21m3
② Dismantling existing struct					
like RCC/bricks culverts					
— do — SH					
Cement mortar					
	2×	4.10×	1.05(av)×	2.40	= 20.45m3
③ E/W in excavation for					
foundn in structure -do-					

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	— Sh				
for BOR column 3.00 x 2.50					
Bar col raft					
	1x	4.80 x	6.00 x	0.70	- 20.16 m3
cut off wall	2x	4.80	x 1.30 x	1.60	- 22.46 m3
C/wall	4x	4.00 x	3.65 x	1.80	- 105.12 m3
					147.74 m3
(4) P/L pcc m15 grade in open foundn — — for spn					
for Bar column					
	1x	3.80 x	6.00 x	0.10	- 2.28 m3
R/W	4x	[illegible] x	2.65	x 0.20	- 8.48
					10.76 m3
5.) P/L pcc NP3 300 mm dia PVC conduit pipe — — 2					
		- 04 nos			

JE 01/12/23

Sreemathi 01/12/23 AE

Rate of Entry :-

① S/F/P HYSD bars in foundn — — — — for Sh

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
for	cut off wall				
Ring 12φ					
	2 × 26 ×	3.65	= 189.80 m		
			@ 0.8928 kg/m	=	169 kg
L/bar 10φ	2 × 14 ×	3.90	= 109.20 m		
			@ 0.62 kg/m	:	68 kg
				Total	237 kg
				=	0.24 ton
(7) P/V PCC/RCC M20 in open					
found- [illegible]					
	[illegible]				
for cut off wall					
	2 ×	3.80 ×	0.30 ×	1.50	= 3.42 m3
[signature] 02/10/23			[signature] 02/10/23		
Rate of Entd! –					
(1) S/F/P HYSD bar in					
sub structure etc –					
[illegible] 1st S–					
bottom bar transverse -10φ		49 × 7.20 ×			= 352.80 m
bottom portion top transverse -10φ		49 × 7.20 ×			= 352.80 m
bottom long -10φ		52 ×	6.20		= 322.40 m
L bar bottom 10φ		67 ×	2.22		= 148.74 "
haunch bottom 8φ		49 ×	1.20		= 58.80 m
Chair 12φ		16 ×	1.35		= 21.60 m

Continuation

Sch. XLV-Form No. 134

Particulars	No.	L.	B.	D.	Contents of area
Cap 10φ		98 x 0.55			21.40 m
Side pardon					
Inner 10φ	2x 49 x 3.87				379.26 m
Outer 12φ	2x 49 x 5.24				513.52 "
Cagi 10φ	2x 42 x 6.30				529.20 "
Cap 10φ		55 x 0.55			30.25 "
Cap 12φ		28 x 0.60			16.80 "
8φ – 58.80 m @ 0.395 kg/m					23 kg
10φ – 2141.85 m @ 0.6209 kg/m					1329 kg
12φ – 551.92 @ 0.8928 kg/m					493 kg
				Total	1844 kg
				Say	1.844 MT
② P/L RCC M25 in slab/sw					
— do — as above					
bottom slab					
	1x 3.80 x 6.00 x 0.30				6.84 m³
	2x 6.00 x 2.00 x 0.40				9.60 m³
					16.44 m³
JE 04/12/23				Signed 04/12/23 AE	
Deta of entry:-					
① S/F/P HYSD bar in S/S					
— do — as per item 2					
for RCC Top slab					
L bar – 10φ	67 x 2.22 m				148.74 m

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
bottom part 12φ	61 x 4.20 m			-	256.20 m
Top part 10φ	49 x 4.20 m			-	205.80 m
Capital (Top+bottom) 10φ	52 x 6.15			-	319.80 m
Kerb 12φ	2x 38 x 1.75			-	133.00 m
10φ	2x 12 x 3.90			-	93.60 m
Chair 12φ	16 x 1.35			-	21.60 m
Lap 10φ	39 x 0.55			-	21.45 m
Lap 12φ	21 x 0.60			-	12.60
8φ					
	49 x 1.20			-	58.80 m
8φ - 58.80 m @ 0.395 kg/m				-	23 kg
10φ - 789.39 m @ 0.621 kg/m				-	489 kg
12φ - 423.40 m @ 0.892 kg/m				-	378 kg
					890 kg
			Say		= 0.89 MT
(2) P/L RCC M25 in sub structure					
- do - do -					
for side wall					
	2x 6.00 x 0.40 x 0.40			-	1.92 m³
Carry item 02 vide P-15				-	16.44 m³
				∴	19.36 m³
(3) P/L RCC M30 grade in S/S					
- do - do - do -					
	face	slab			

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Top [illegible]					
	1 x 6.00 x	3.80 x	0.30		- 6.84 m3
Hance	4 x	6.00 x	0.15 x	0.15	- 0.54 "
Kerb	2 x	3.80 x	0.45 x	0.50	- 1.71 "
					9.09 m3
[signature] 05/12/23 JE			[signature] 05/12/23 AE		
Date of Entry:-					
① p/l pcc m20 in open foundn - do - as per the specn.					
for R/W (step wise)					
	4 x	3.10 x	2.26 (av) x	0.20	- 5.60 m3
	4 x	3.10 x	2.16 (av) x	0.20	- 5.36 "
	4 x	3.10 x	2.06 (av) x	0.20	- 5.11 "
	4 x	3.10 x	1.96 (av) x	0.20	- 4.86 "
	4 x	3.10 x	1.86 (av) x	0.20	- 4.61 "
	4 x	3.10 x	1.76 (av) x	0.20	- 4.36 "
	4 x	3.10 x	1.66 (av) x	0.20	- 4.12 "
	4 x	3.10 x	1.56 (av) x	0.20	- 3.87 "
				total -	37.89 m3
carry side TMB - p.18, item - 02					3.42 "
					41.31 m3
[signature] 05/12/23 JE			[signature] 05/12/23 AE		

Continuation

Sch. XLV-Form No. 134

Particulars	No.	L.	B.	D.	Contents of area
Rate of entry:-					
(1) P/L PCC M20 in sub struct					
-do- as per the Sh					
	4 ×	3.10 ×	(1.36 + 0.49)/2	× 2.40	26.78 m³
(2) P/L filter media with					
granular crushed -do-					
as per Sh					
Sch. Abt					
	2 ×	4.45 (avg)	× 0.60	× 2.30	12.39 m³
Sch. R/w.	4 ×	3.00 ×	0.60 ×	2.45	17.66 m³
				Total	30.05 m³
(3) Sand filling behind abt. , wing wall -do- as per					
Sh					
Abt.	2 ×	3.10 ×	4.45 (avg) ×	2.45	67.59 m³
	2 ×	3.10 ×	5.20 ×	0.20	6.45 m³
					74.04 m³
deduct item with RMD, P.22, item-02					30.05 m³ (-)
					43.99 m³

Rate of entry:-

Particulars	No.	L.	B.	D.	Contents of area
(1) parapet construction PCC M20 in parapet -do- as per Sh					
R/W	4 ×	3.10 ×	0.45 ×	0.375	2.09 m³
Ab	4 ×	3.10 ×	0.45 ×	0.50	2.79 m³
					4.88 m³

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
② P/L PCC M15 ...					
below ... slab ...					
— ...					
= 2 × 3.10 × 5.70 × 0.15					= 4.74 m³
③ P/L CC ...					
...					
= 1 × 5.20 × 3.80 × 0.075					= 1.48 m³
4) P/L ...					
= 14 nos.					
5) ...					
= 04 nos.					
⑥ 2 × 10.05 × (2 × 0.50 + 0.90)					= 32.16 m²
4 × 0.80 × 0.50					= 0.80 m²
					32.96 m²
⑦ P/L ... slab ...					
2 × 5.70 × 3.10 × 0.30					= 9.67 m³
Deduction for ...					
① ... GSB-II ...					
...					
for BT Rest portion					
2 × 30.50 × 4.05 × 0.20					= 98.60 m³
2 × 6.40 × 4.05 × 0.20					= 9.72 m³
					58.32 m³
Carry ...				(+)	1359.99 m³
					479.905 m³

Continuation total = 1418.31 m³

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
Rate of entry :-					
~~(1) P/L 15/C WBM Gr III to as per tech spn~~					
Rate of Entry :-					
(1) Cst. of WBM-I - to - as per tech spn					
for BT Road extended portion					
	1 x 30 x	4.05 x	0.20		24.30 m³
	1 x 29.00 x	4.05 x	0.20		23.49 "
					47.79 m³
Carry item vide TMB, P-07, item-01				(+)	1359.59 m³
				total	1407.38 m³
Rate of Entry :-					
(1) Cst of P/L 15/C WBM III to as per tech spn					
for BT Road portion					
	7 x 30.00 x	3.75 x	0.075		59.06 m³
	1 x 29.00 x	3.75 x	0.075		8.16 "
					67.22 m³
Carry vide TMB, P-05, item-02				(+)	421.585 "
				total	488.805 m³

[signature] 08/12/23 JE — [signature] 08/12/23 AE

[signature] 09/12/23 JE — [signature] 09/12/23 AE

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Scale of Entry:					
① P/A Primary Cut with					
SS-1 -do- on					
+ on SH					
for BT portion					
	7	30.00	× 3.75		= 787.50 m²
	10	30.00	× 3.75		= 1125.00 "
	10	30.00	× 3.75		= 1125.00 "
	15	30.00	× 3.75		= 1687.50 "
	15	30.00	× 3.75		= 1687.50 "
Ch. 1700 to 1705	1	5.00	× 3.00		= 15.00 "
1705 to 1748	1	6.00	× 3.5(av)		= 21.30 "
	1	28.00	× 3.75		= 105.00 "
				Total	= 6551.30 m²
				Total	= 6556.30 m²
				Grand Total	6308.80 m²

J.E. 09/12/23

Supervisor 09/12/23

Scale of Entry:

① P/A Tack coat with

RS-1 -do- on

SH

for BT Portion

7	30.00	× 3.75		= 787.50 m²
10	30.00	× 3.75		= 1125.00 "
10	30.00	× 3.75		= 1125.00 "

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	15	x 30.00	x 3.75	-	1687.50 m²
	15	x 30.00	x 3.75	-	1687.50 "
	1	x 5.00	x 3.50	-	17.50 "
	1	x 6.00	x 3.55 (94)	-	21.36 "
	1	x 28.00	x 3.75	-	105.00 "
				Total	- 6556.30 m²
					6308.80 m²

② P/L/R MSS of 20mm th. -do- in 5 L

Qty Same as item-01 of P-25 - 6556.30 m²

Commit 6308.80 m²

105/12/23 JE

Executed 10/12/23 JE

Ref

Date of entry:-

Dh. Pee on 15 km stone & 200 m stone th -do- in two spots

km stone - 03 nos - (3)

200 m stone - 05 nos - (5)

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(2) P/F of typical marks board with legend etc as in SL					
MIB - 01 nos					
maintenance board - 01 nos					
02 no.					
(3) P/F RCC M15 grade boundary pillar etc as in the SL					
= 48 nos					
(4) P/F of retro reflective mandatory, cautionary & informatory sign board etc as in the SL					
600mm equilateral Δ = 04 no -(a)					
600mm Circular = 04 nos -(b)					
600mm x 450mm ET = 04 nos -(c)					
900 mm Side octagon = 01 no -(d)					
(5) Road marking with HAPC of 2.5 mm thick road marking etc as in the SL					
CC portion					
2 x 8 x 30.00 x 0.100					48.00 m²
2 x 1 x 10.00 x 0.100					2.00 m²
					50.00 m² (a)
BT portion					
2 x 15 x 30.00 x 0.100					90.00 m²
2 x 15 x 30.00 x 0.100					90.00 m²

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	2×15×	30.00 × 0.100			- 90.00 m²
	2×13×	30.00 × 0.100			- 78.00 "
	2×1×	9.00 × 0.100			- 1.80 "
				total .	349.80 m²
				Say .	342.80
(6) planting of trees by the road side ...					
total 91 nos = 91 nos					
(7) painting road letter & fig. on any shade ...					
		6×44 : 264.00 cm height			
(8) B/W (1:3) in parapet ...					
	2×6.25	×0.40	×0.60		- 3.00 m³
	1×4.30	×0.40	×0.90		- 1.55 m³
	1×4.30	×0.40	×0.90		- 1.55 m³
					6.10 m³
(9) P/L PCC M20 grade in coping ...					
cl_1	2×6.25 : 12.50 m				
cl_2	2×4.30 : 8.60 m				
			21.10 m		
(10) plastering with c.m. (1:4) ...					
cl_1	2×6.25 × (2×0.60 + 0.40)				- 20.00 m²
cl_2	2×4.30 × (2×0.60 + 0.40)				- 13.76 "
	2×4.30 × 0.40				- 3.44 "

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Side bale	2x4x 0.40x0.6				1.92 m²
				Total	39.12 m²
(11) Cons. of Subgrade & earthen shoulder to as per the std for CC portion					
GSB side					
LHS	1x 3	x 30.00	x 0.625	x 0.10	5.62 m³
RHS	1x3	x 30.00	x 0.54	x 0.10	4.72 "
	2 x 5	x 30.00	x 0.60	x 0.10	18.00 "
WBM side					
LHS	1x3	x 30.00	x 0.625	x 0.075	4.22 "
RHS	1 x 3	x 30.00	x 0.54	x 0.075	3.54 "
	2x5	x 30.00	x 0.60	x 0.075	13.50 "
CC side					
LHS	1x3x	30.00	x 0.625	x ~~0.075~~ 0.160	9.00 "
RHS	1x3	x 30.00	x 0.525	x ~~0.075~~ 0.16	7.56 "
	2x5	x 30.00	x 0.60x	0.16	28.80 "
BT portion					
GSB side rest length					
250-500m					
LHS	1x8x	30.00x	1.35x	0.20	66.32 m³
RHS	1x8	x30.00 x	1.41 x	0.20	67.68 "
LHS	1x1	x 10.00	x 1.21 x	0.20	2.42
RHS	1x1	x 10.00	x 1.05 x	0.20	2.10 "
1700m -1999m					
LHS	1x4 x	30.00x	0.95 x	0.20	22.80
RHS	1x 4x	30.00	x 0.75 x	0.20	18.00 m³

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
LHS	1 x 5 x	30.00 x	1.05 x	0.20	31.80 m3
RHS	1 x 3 x	30.00 x	0.60 x	0.20	10.80 m
DBM Ade whole length + BT					
LHS	1 x 8 x	30.00 x	1.18 x	0.095	26.90 m3
RHS	1 x 8 x	30.00 x	1.18 x	0.095	26.90 "
LHS	1 x 1 x	10.00 x	1.12 x	0.095	1.06 "
RHS	1 x 1 x	10.0 x	1.00 x	0.095	0.95 "
	2 x 10 x	30.00 x	1.21 x	0.095	68.97 "
	2 x 15 x	30.00 x	1.21 x	0.095	103.45 "
	2 x 15 x	30.00 x	1.21 x	0.95	103.45 "
LHS	1 x 4 x	30.00 x	0.90 x	0.095	10.26 "
RHS	1 x 4 x	30.0 x	0.75 x	0.095	8.55 "
LHS	1 x 5 x	30.00 x	1.05 x	0.095	14.96
RHS	1 x 3 x	30.00 x	0.60 x	0.095	5.13
				Total	687.58 m3
(12) D/4 1.5 mm th. cement plastering ...					
3 x 2 x 6.15 x (0.60 + 0.40)					36.90 m2
Ends	3 x 4 x	0.40 x 0.60			2.88 "
					~~38.88~~ 39.78 m2
(13) const. of Embankment with obtained from s/w cutting ...					
60 % of item-02 of P-02 of mg					
	= 60 % of		18.70 m3		
		= 11.22 m3			

Skumar 19/12/23 AE

L.I. 19/12/23 JE

Continuation