

Ministry N.D.D. D.R.P. 5-74

Schedule XLV-Form No. 134

खुकलरी में निम्न उद्दिष्टों के रूप में जैनेन्द्र प्रसाद
शेखर सिंह

कार्यपालक अधिकारी

राष्ट्रीय कार्यपालक प्रणाली

नरकटियागंज

DIVISION

M.B.N. 1735/23-24

मेनाटास

जोनाहा

SUB-DIVISION

MEASUREMENT BOOK

खंडेष्ट: डिजीका क. 11. 8410

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	

2nd an final Bill

Name of Work - Sukhadevi

Me bimod mukhiya

Ke ghar de Chauripur

Mushar Joda

(Mmasy MDB)

Name of Agency - preetika

construction

Tachawa Namolpur

Kanhi Joda Ward No-1

West Champaran

Agreement No - 21/MBD/2023-24

Agreement value - 10588912 =

date of Worked - 11-12-2023

date of complete - 10-12-2024

date of measurement - 24-2-2024

date of Entry - 24-2-2024

Record Entry

H.P. current 100mm dia

(1) Earthwork in excavation

Low structure

encl wall

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
2 x 6.35 m x 1.4 m x 1.15 m					25.78 m ³
Reel cone					
1 x 5.70 m x 1.55 m x 0.25 m					2.11 m ³
					27.89 m ³

(2) providing concrete

P.C. Canal M20 in

open foundations

do—do complete

2 x 6.35 m x 1.4 m x 0.15 m 2.67 m³

(3) providing concrete

Sur P.C. M15 gravel

in open foundation

do—do complete

End wall

2 x 6.2 m x 1.25 to 1.4 m x 2.55 m 26.09

2

deduct pipe portion

2 x $\pi (0.62)^2 \times 0.65 \text{ m} \times 1.58$ 24.51 m³

(4) providing metal layer

R.C. Pipe MP-3

17. P. culture 100 rounds

3 m x 2.5 m

7.50 m³

Reel cone

(5) providing concrete

Sur P.C. Canal M20

Continuation

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
in open substructure					
parapet complete					
Bed portion					
$1 \times 5.79 \text{ m} \times 0.55 \text{ m} \times 0.15 \text{ m}$					2.19 m ³
parapet complete					
$2 \times 6.2 \text{ m} \times 0.4 \text{ m} \times 0.075 \text{ m}$					0.37 m ³
					2.61 m ³
(6) Back Sillings behind					
abutment wing wall					
and return wall					
Side H-D					
$5.79 \text{ m} \times 6.2 \text{ m} \times 1.29 \text{ m}$					44.51 m ³
Less stone work					
					2.11 m ³
$5.79 \text{ m} \times \pi (0.60)^2 \times 1.29$					4.43 m ³
					36.4 m ³
Wing wall					33.13 m ³
(7) Brick masonry					
work in cement					
mortar in parapet					
$2 \times 6.2 \text{ m} \times 0.4 \text{ m} \times 0.60 \text{ m}$					2.98 m ³
(8) plastering with					
cement mortar					
on brickwork in					
substructure					
parapet wall sides					
$4 \times 6.2 \text{ m} \times 0.6 \text{ m}$					14.88 m ²
Parapet wall top					

Continuation c.o 14.88 m²

Sch. XLV-Form No. 134

Particulars	Details of actual measure				Content of area
	No.	L	B	D	
				BIF	14.88
2 x 6.2 m x 0.9 m					4.96
parapet wall emb					
4 x 0.9 m x 0.6 m					0.96
parapet wall base					
2 x 6.2 m x 1 m					12.4
					33.2 m
(9) providing in					
concrete post					
					8 nos
(10) Earthwork in					
excavation for					
foundation of					
structure					
4 mm pipe 30 cm dia					
2 x 7 m x 0.7 m x 0.6 m					5.88 m ³
(11) providing and					
laying reinforcement					
concrete					
pipe 400 mm dia					
2 x 3 x 2.5 m					15 M
(12) providing and					
laying first class					
bedding, sand					
slab concrete					
do - do concrete					
2 x 7 m x 0.3 m x 0.25 m					1.05 m ³

Continuation

Continuation CO-2580m

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
				81F	2580 m ²
$2 \times 22 \text{ m} \times 3.75 \text{ m} + 5.17 \times 3.75$	3			3.75	25.52 m ²
Providing and					2605.52 m ²
(2) providing and applying tack coat with Bitumen emulsion (Bs-1)					
$5 \times 30 \text{ m} \times 3.75 \text{ m}$					562.5
$5 \times 30 \text{ m} \times 3.75 \text{ m}$					562.5
$5 \times 30 \text{ m} \times 3.75 \text{ m}$					562.5
$5 \times 30 \text{ m} \times 3.75 \text{ m}$					562.5
$2 \times 30 \text{ m} \times 3.75 \text{ m}$					225 m ²

$28 \text{ m} \times 3.75 \text{ m}$					105 m ²
curved portion					
$2 \times 22 \text{ m} \times 3.75 \text{ m} + 5.17 \times 3.75$	3			3.75	25.52 m ²
					2605.52 m ²

(3) providing, laying and rolling mix seal surfacing material Bitumen (S-90)					
$5 \times 30 \text{ m} \times 3.75 \text{ m}$					562.5
$5 \times 30 \text{ m} \times 3.75 \text{ m}$					562.5
$5 \times 30 \text{ m} \times 3.75 \text{ m}$					562.5
$5 \times 30 \text{ m} \times 3.75 \text{ m}$					562.5

Continuation c/o 2250 m²

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
				BIF	2250 m ²
2 x 30 m x 3.75 m					225 m ²
2.8 m x 3.75 m					10.5 m ²
Curve portion					
$2 \times 22 + \frac{2 \times 3.75 + 5.5 + 3.75}{3} \times 3.75$					28.52
					2605.52 m ²
(4) construction of					
unreinforced					
plain cement concrete					
pavement M30					
5 x 30 m x 3.75 m x 0.16 m					90 m ³
4 x 30 m x 3.75 m x 0.16 m					72 m ³
8 m x 3.75 m x 0.16 m					4.8 m ³
Damaged road					
portion					
1.5 m x 0.5 m x 0.10 m					0.10
3.5 m x 1.5 m x 0.10					0.53
6 m x 1 m x 0.10					0.60
4 m x 1 m x 0.10					0.40
width at curve portion					
$12 m \times \frac{5 + 3.75}{2} \times 3.75 \times 0.16$					1.20 m ³
$10 m \times \frac{3.75 + 4.5 + 3.75}{3} \times 3.75 \times 0.16$					0.40 m ³
					170.07 m ³
Road					
2010/3/2004					

Continuation

Particulars	Details of actual measure				Contents of area
	No.	L	B	D	
<u>Next Entry -</u>					
<u>(1) Construction of</u>					
<u>earthen shoulder</u>					
<u>with approved material</u>					
<u>obtained from borrow</u>					
<u>Pill-8 B.T Road Panku</u>					
<u>2 x 5 x 30 m x 1.3 m x 0.275 m</u>					<u>107.25</u>
<u>2 x 5 x 30 m x 1.3 m x 0.275 m</u>					<u>107.25</u>
<u>2 x 5 x 30 m x 1.3 m x 0.275 m</u>					<u>107.25</u>
<u>2 x 5 x 30 m x 1.3 m x 0.275 m</u>					<u>107.25</u>
<u>2 x 2 x 30 m x 1.3 m x 0.275 m</u>					<u>42.5 m²</u>
<u>2 x 2.8 m x 1.3 m x 0.275 m</u>					<u>20.02 m²</u>
					<u>491.92 m²</u>
<u>(2) Laying brick salina</u>					
<u>layer on pcc</u>					
<u>road shoulder</u>					
<u>2 x 5 x 30 m x 0.50 m</u>					<u>150 m²</u>
<u>2 x 4 x 30 m x 0.50 m</u>					<u>120 m²</u>
<u>2 x 2 m x 0.50 m</u>					<u>8 m²</u>
					<u>278 m²</u>
<u>(3) providing in P.C.C</u>					
<u>115 grad kilometre</u>					
<u>local stone</u>					
					<u>1 nos</u>
<u>(4) providing in P.C.C</u>					
<u>115 grad 200 m</u>					
<u>local stone</u>					
					<u>4 nos</u>

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
(5) providing, in R.C.C. M.C. road boundary, Local Street					14 NOS
(6) providing and fixing (a) M.C. sign information Sign board - encl -					2 NOS
(b) Logo board					1 NOS
(c) Maintenance board					1 NOS
(7) providing and fixing 600 mm equilateral triangle					6 NOS
(8) providing and fixing 900 mm square octagon stop sign					2 NOS
(9) providing and fixing 600 mm Speed limit circular board					2 NOS
(10) providing and fixing 600 mm x 450 mm rectangle School Plate sign board					2 NOS

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
(11) providing and laying hot applied thermoplastic Road markings BT Road portion					
2 x 5 x 30m x 0.10m					30 m ²
2 x 5 x 30m x 0.10m					30 m ²
2 x 5 x 30m x 0.10m					30 m ²
2 x 5 x 30m x 0.10m					30 m ²
2 x 2 x 30m x 0.10m					12 m ²
2 x 2.4m x 0.10m					5.6 m ²
					137.6 m ²
(12) providing and laying hot applied thermoplastic Road markings PCC road portion					
2 x 5 x 30m x 0.10m					30 m ²
2 x 4 x 30m x 0.10m					24 m ²
2 x 8m x 0.10m					1.6 m ²
					55.6 m ²
(13) planting of trees by the road side					
					34 nos
(14) Providing in Rumble strip cover all					

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
15 nos x 2 x 0.25 m x 3.75 m					22.125 m ²
(1) provided in each layer					
Rumble strip					
at hat applied					
thermo plastic paint					
do - do corner					
15 nos x 2 x 0.15 m x 3.75 m					28.125 m ²
(2) construction					
of embankment					
with approved mix					
obtained from					
borrow pit					
Elw dy sheet					

	Distance m	Sub Area sqm	Sub Area sqm	Volume cu m
0	0	5.455	0	0
50	50	4.474	4.965	248.225
100	50	5.133	4.204	240.175
150	50	4.806	4.970	248.475
200	50	2.534	3.670	123.500
250	50	2.507	2.721	136.025
300	50	2.626	2.767	138.325
350	50	4.335	3.481	174.025
400	50	3.295	4.115	205.75
450	50	2.824	3.360	167.975
500	50	2.852	2.838	141.900
550	50	2.714	2.783	139.150
600	50	3.075	2.893	144.725

Continuation C.O = 2168.25 m²

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
				BIF	2168.25
650	50	4.038	3.557		177.825
700	50	2.046	3.042		152.100
750	50	2.525	2.286		114.235
800	50	2.960	2.493		124.625
850	50	3.077	2.769		138.425
900	50	1.856	2.346		118.3 m ²
950	50	1.003	1.330		66.5 m ²
966	16	0.97	0.97		15.52 m ²

Total E/W Qty (including crust) 3075.82

LESS Box culvert E/W Qty 76.26

LESS G/S B Qty 438.47

LESS W/B Mandrel Qty 210.88

LESS PCC Qty 170.07

LESS Mix Seal Qty 52.11 m²

LESS E/W Shoulder Qty 815 m²

Net E/W Qty 1313 m²

Lead up to 100 m per 20%.

$$\frac{1313 \times 20}{100} = 262.6 \text{ m}^2$$

(13) Construction of

embankment with approach

material obtained from

borrow pits Lead

up to 100 m per 20%.

$$\frac{1313 \times 20}{100} = 262.6 \text{ m}^2$$

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
2nd on 2nd level					
ABSTRACT OF COST					
(1) Construction of 10 m long					
Bench mark pillar					
Qty vide TMBP 10 item 1					
0.966 km @ Rs 5632.19 / km					54412
(2) Construction of					
Reference pillar					
Qty vide TMBP 10 item 2					
0.966 km @ Rs 2631.42 / km					25422
(3) Cleaning and grubbing					
road land including					
Qty vide TMBP 10 item 3					
0.2898 km @ Rs 72697.81 / km					210682
(4) Excavation for road					
way in soil box					
cutting ELW					
Qty vide TMBP 10 item 4					
76.29 m ³ @ Rs 179.66 / m ³					137062
(5) Construction of					
embankment with					
approved material obtain					
from borrow pit					
Lead up to 1000 m					
Qty vide TMBP 27 item 12					
1050.4 m ³ @ Rs 259.9 / m ³					2729992
Continuation					Rs 3157552

29

Boh. XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	

				RIF	315756=
(6) construction of embankment with approved material obtained from borrow pits					
Lead upto 100 m					
Qty wide TMBP 27 iter 13					
262.6 m ³ @ Rs 184.51/m ³					48452=
(7/8) construction of earthen shoulder with subgrade approved material obtained from borrow pits					
Lead upto 100 m					
Qty wide TMBP 27 iter 13					
329 m ³ TMBP-10 iter 5					
491.92 m ³ TMBP-23 iter 1					
815.92 m ³ @ Rs 263.99/m ³					214994=
(8/9) construction of granular sub base by providing well graded material					
Qty wide TMBP-11 iter 5					
438.47 m ³ @ Rs 4717.36/m ³					2068395=
(9/10) providing layers of granular sub base					
Stone Aggregate WBM-3					
Qty wide TMBP-11 iter 7					
210.88 m ³ @ Rs 6182.11/m ³					1303683=

Continuation

Rs-3951232=

Sch. XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
					BIF 395237
(10) (11) providing and applying primer coat with bitumen emulsion (SS-1) Qty wide TMBP 21 item 1 2605.42 m ² @ Rs 59.93/m ² 156149 =					
(11) (12) providing and applying dock coat with Bitumen emulsion (RS-1) Qty wide TMBP 21 item 2 2605.52 m ² @ Rs 20.58/m ² 53622 =					
(12) (13) providing, laying and making of max road surface Qty wide TMBP 22 item 3 2605.52 m ² @ Rs 314.97/m ² 820661 =					
(13) (14) construction of 1m reinforced plain Cement concrete pavement and M30 Qty wide TMBP 22 item 4 170.07 m ³ @ Rs 10429.97/m ³ 1773825 =					
(14) (15) Laying of brick siding layer precast side Qty wide TMBP 23 item 2 278 m ² @ Rs 483.31/m ² 134360 =					

Continuation

Rs-6889849/-

Sch. XLV-Form No. 134

Particulars	Details of actual measure				Contents of art.
	No.	L.	B.	D.	
					BIF 6889543/
(15/16) Earthwork in excavation for foundation of structure in H.P. ground					
Qty vide TMBP 19 item 10					
5.24 m ³ @ Rs 410.66/m ³					2415 =
(16/17) Bedding laying, local sand					
PCC M10 300mm class bedding.					
Qty vide TMBP 19 item 12					
1.05 m ³ @ Rs 577.04/m ³					606 =
(17/20) Providing and laying reinforcement cement concrete					
Pipe NP-4 300mm dia					
Qty vide TMBP 19 item 11					
15 M @ Rs 959.11/M					14387 =
(18/18) Earthwork in excavation for structure in H.P.C					
Qty vide 1000mm dia					
2.8 m ³ TMBP-11 item 8					
27.97 m ³ TMBP-17 item 1					
55.97 m ³ @ Rs 383.29/m ³					21452 =
(19/19) Providing concrete PCC M10 in open foundation complete					

Continuation

Rs. 6928709 =

Sch. XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
					BIF-692870%
2.67 m ³ TMBP-11.25	9				
2.67 m ³ TMBP-17.25	2				
5.34 m ³ @ RS 92.57/m ³					49436=
(20/20) providing concrete for PCC mix in open foundation complete					
Qty vide TMBP 12.25	10				
24.51 m ³ TMBP-12					
24.51 m ³ TMBP-17.25	3				
49.02 m ³ @ RS 8762.13/m ³					429520=
(21/21) providing and laying PCC PCC MP-3					
1000 mm dia H.P.C					
7.50 m TMBP-12.25	11				
7.50 m TMBP-17.25	9				
15 m @ RS 7717.50/m					115763=
(22/22) providing in PCC 1720 open foundation complete					
2.61 m ³ TMBP-12.25	12				
2.61 m ³ TMBP-17.25	5				
5.22 m ³ @ RS 9541.57/m ³					49807=
(23/23) Backfilling behind abutment wing with crushed stone wear					
do - do complete					

Continuation

RS-7543235=

Sch. XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
					BIF 7573285=
33.39 m ³ TMBP-12 ite $\frac{13}{13}$					
33.13 m ³ TMBP-18 ite 6					
66.52 m ³ @ R 906.28 / m ³					60286=
(24) (24) Brick masonry work					
in parapet wall					
2.98 m ³ TMBP-12 ite $\frac{14}{24}$					
2.98 m ³ TMBP-18 ite - 7					
5.96 m ³ @ R 7080.81 / m ³					42202=
(25) (25) plastering with					
cement mortar					
brickwork in					
substructure					
33.16 m ² TMBP-13 ite $\frac{15}{25}$					
33.13 m ² TMBP-18 ite 6					
66.32 m ² @ R 256.52 / m ²					17012=
(26) (26) providing, including					
post complete					
8 NOS TMBP-13 ite $\frac{16}{26}$					
8 NOS TMBP-18 ite 9					
16 NOS @ R 734.49 / Nos					11752=
(27) (27) Dismantling of P.C.C.					
H.P. column 600 mm dia					
0.60 m ³ TMBP-13 ite $\frac{17}{27}$					
0.60 m ³ TMBP-20 ite 13					
1.20 m ³ @ R 658.99 / m ³					791=
(28) (28) Dismantling of					

Continuation

RS-7705278=

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L	B.	D.	
				13/12	7705278
Existing structure					
14. P. column foundation					
17.33 m ² @ TMBP-13.24 x $\frac{12}{24}$					
17.33 m ² TMBP-20.24 x 14					
34.66 m ² @ RS 467.35/m ²					16197 =
(29/29) Removing all types?					
Hume pipes and stacks					
600 mm dia Hume pipe					
5 m ² TMBP-13.24 x $\frac{12}{24}$					
5 m ² TMBP-20.24 x 15					
10 m ² @ RS 248.78/m ²					2487 =
(30/31) Providing in					
Rectangular kilometre					
Local Stone					
Qty vide TMBP 23.24 x 3					
1 Nos @ RS 3536.84/Nos					3537 =
(31/32) providing in					
Rectangular kilometre					
Local Stone					
Qty vide TMBP 23.24 x 4					
4 Nos @ RS 949.93/Nos					3796 =
(32/33) Providing in Rectangular					
Boundary pillar					
Local Stone					
Qty vide TMBP-24.24 x 5					
14 Nos @ RS 734.99/Nos					10283 =

Continuation

RS-7741575 =

Sch. XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
					BIF 741575
(33) (34) providing and fixing rungs of ladder sign board Qty with TMBP 29.14x6A 2 Nos @ Rs 15672.21 / Nos 31344 =					
(34) (35) providing and fixing main entry sign board Qty with TMBP 29.14x6B 1 Nos @ Rs 15672.21 / No 15672 =					
(35) (36) providing and fixing main entrance board Qty with TMBP 24.14x6C 1 Nos @ Rs 15672.21 / No 15672 =					
(36) (37) providing and fixing 600mm eq. ladder for ground Qty with TMBP 29.14x7 6 Nos @ Rs 4849.92 / No 29100 =					
(37) (38) providing and fixing 900mm side column stop sign Qty with TMBP 29.14x8 2 Nos @ Rs 10739.71 / Nos 21480 =					
(38) (39) providing and fixing 600mm circular sign board					

Continuation PS-785487:

Sch. XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
				B/E	7855841
Qty width TMBP 24 site 9					
2 Nos @ B/E 6205.52/m ²					12411
(39/40) providing and laying					
60mm x 45mm rect term					
Sign board					
Qty width TMBP 24 site 10					
2 Nos @ B/E 6151.22/m ²					12302
(40/41) providing and laying					
of hat applied					
thermo plastic					
Road marker					
③ B/E Road paint 2					
Qty width TMBP 25 site 11					
137.6 m ² @ B/E 837.91/m ²					115434
(41/42) providing and laying					
of hat applied					
thermo plastic					
Road marker					
PCC road paint					
Qty width TMBP-25 site 12					
55.60 m ² @ B/E 937.27/m ²					52112
(42/43) providing and laying					
strips covered					
Qty width TMBP-26 site 10					
28.125 m ² @ B/E 314.97/m ²					8859
(43/44) providing and laying					

Continuation

B/E-8055965

Sch. XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
				BIF	8055965
hat cupped the maples					
Removal of maples					
city wide TRBP-26.44-11					
$28.125 \text{ m}^2 @ \text{Rs } 1303.83/\text{m}^2$					36670=
(49/45) planting of trees					
Road side					
city wide TRBP-25.24-13					
$34 \text{ Nos } @ \text{Rs } 1303.83/\text{No}$					44330=
Total Rs					8136965=
Add L.C 1Y. —					81370=
Add GST 18Y. —					1464654=
Add set down fee					107670=

					Rs 9790665
Less 2.58% Below Payment					252585=
					Rs 9538065
Less revised payment amount					4611812
					Rs 4926248

Revised
20/3/24
JE

Revised
20/3/24
AE