

Temple to Chouthi

Schedule XLV-Form No. 134

Ashilesh Kumar Tiwari
FFNO 125BD/2023-24

Bhabua

DIVISION

Champus

SUB-DIVISION

MEASUREMENT BOOK

1660

Name to work—
 Situation of work—
 Agency by which work is executed—
 Date of measurement—
 No. and date of agreement.
 (These four lines should be repeated at the commencement of the measurements relating to each work.)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1st RIA Bill					
Nilam: — Construction of					
Road from Temple					
To Chauthi under					
MGSY CND B (AISESH)					
in Champur Block 11.212					Km
PKG No: — AISESH — NDB					
BRRP-2-208-Bhabhug					
(Tender ID 128743)					
(There are five Rds in this Package)					

Name of Contractor: — Akhlesh					
Kurung Tiratary					
S/O — Sachita Nand Tiratary					
Vill — Palamunda					
P.O + P.S → Chenari					
Dist — Rantals — 821104					
Bid id → 561651					
Agreement NO: — SBD-12/2023-24					
DOA → 18/1/2024					
DOS → 23-12-2023					
DOC (As per Agt) → 22-12-2024					
[A] Agreement Value of this PKG —					
(True Roads)					
(i) Const Cost					₹ 245,77,114/-
(ii) Maintenance					₹ 43,98,135/-
Continuation					
					₹ 309,75,249/-

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
[B] Agreement Amount of this Road:-					
(i) Construction Cost					₹ 1,00,31,462 ⁰⁰
(ii) Five years maintenance					₹ 17,93,165 ⁰⁰
					Total Amt ₹ 1,18,24,627 ⁰⁰
Rate:- @ 0.27% (Below 300)					
[C] A.A. Amount (Details):-					
(i) Construction Cost					₹ 1,00,89,360 ⁰⁰
(ii) Five years maintenance					₹ 20,61,710 ⁰⁰
(iii) Contingency Amount					₹ 2,27,000 ⁰⁰
					₹ 1,23,77,560 ⁰⁰
Habitations - chauvhi Population - 230					
Survey ID - 18234					
Guide letter NO :-					
पत्रांक - BRRDA(HQ)-MIM(SYCNDB)					
- 267/23 - 1576 / पत्रा. दिनांक - 08/22					
PAN - AUOP 9733 B					
G.S.T. NO. - 10 AUOP 9733 B IZK.					
Registration NO:- 1190644 I81CLAR					
R.L.D. Bihar					
[D] T.S. Amount:-					
(i) Construction Cost					₹
(ii) Five years maintenance					₹
					Total ₹

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Date of measurement:- 31/2024					
To 04/04/2024					
Date of Entry:- 04/04/2024					
<u>Measurements</u>					
Item No (1) 100	Setting out of Pillars Bounding and fixing working Bench mark do do				10 Nos
Item No (2) 214	Excavation for road level in Box-cutting do do as per				
[A] Besides B.T. (Flexible Pavement)					
2 (32x30.0m) x 0.525m x 0.10m					
= 100.80m ³					
[B] Besides Rigid Road					
135.0m 2 (4x30.0m) + (1x15.0m) x 0.375m x 0.10m					
= 10.125m ³					
20.0m 2 (1x20.0m) x 0.375m x 0.10m					
= 1.50m ³					
4.0m 2 (1x4.0m) x 0.375m x 0.10m					
= 0.30m ³					
15.0m 2 (1x15.0m) x 0.375m x 0.10m					
Continuation					
B (L) = 174.0m					
Qty = 13.05m ³					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(B) Box Ceiling Besides Rigid Portion B.F.					
B.F. length $\rightarrow 174.0\text{m}$				Qty $\rightarrow 13.05\text{m}^3$	
$5.0\text{m} \times 2[(9 \times 5.0\text{m})] \times 0.375\text{m} \times 0.100\text{m}$					$= 0.375\text{m}^3$
$10.0\text{m} \times 2[(1 \times 10.0\text{m})] \times 0.375\text{m} \times 0.100\text{m}$					$= 0.825\text{m}^3$
Total (B) $\Rightarrow$				0.8 14.25m^3	
$\rightarrow 190.0\text{m}$					
(C) Total Box-ceiling					
$= A + B$					
$\Rightarrow (100.80\text{m}^3 + 14.25\text{m}^3)$					
(C) —————					$\Rightarrow 115.05\text{m}^3$
Item (2) Clearing and 2.2 - grubbing the road land do-dob					
$960.0\text{m}[(32 \times 30.0\text{m})] \times 3.50\text{m}$					$= 3360.0\text{m}^2$
$190.0\text{m}[(6 \times 30.0\text{m}) + (1 \times 10.0\text{m})] \times \frac{3.50 + 3.00}{2}$					$= 646.0\text{m}^2$
					4006.0m^2
					10,000
					$\Rightarrow 0.4006\text{Hed}$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item (4/5) Construction of 8.3 Embankment obtained from road way cutting d=40.00					
60% Qty of item (2/6)					
i.e. 60.00% $\times 115.05 \text{ m}^3$					
					$= 69.03 \text{ m}^3$
Item (5/10) Construction of G.S. to G.S. 40-00 as per direction of Engg.					
[A] in B.T. Portion					
(i) In undulated Portion					
$1 \times \frac{(28.0 + 24.0)}{2} \times 2.40 \times 0.075 \text{ m}$					
					$= 4.68 \text{ m}^3$
$16 \times 2.00 \times 1.80 \times 0.05$					$= 2.88 \text{ m}^3$
$25 \times 1.00 \times 1.00 \times 0.075$					
					$= 1.875 \text{ m}^3$
$1 \times \frac{(22.0 + 20.0)}{2} \times 2.80 \times 0.075$					
					$= 4.41 \text{ m}^3$
$45 \times 0.90 \times 0.80 \times 0.075$					
					$= 2.43 \text{ m}^3$
$1 \times \frac{(18.0 + 16.0)}{2} \times 2.60 \times 0.05$					
					$= 2.21 \text{ m}^3$
$1 \times \frac{(10.0 + 8.0)}{2} \times 1.60 \times 0.100$					
					$= 1.44 \text{ m}^3$
A (i) undulated Portion					$= 19.925 \text{ m}^3$

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Ag' 1) Monoculared					
Particul 5					12.925 m^3
					$18 \times 1.60 \times 1.40 \times 0.10$
					$= 2.88 \text{ m}^3$
					$1 \times \left(\frac{8.40 + 6.40}{2} \right) \times 2.70 \times 0.075$
					$= 1.4175 \text{ m}^3$
					$27 \times 1.40 \times 1.40 \times 0.10 \text{ m}$
					$= 2.70 \text{ m}^3$
					$1 \times \left(\frac{30.0 + 26.40}{2} \right) \times \left(\frac{3.40 + 2.80}{2} \right) \times 0.050$
					$= 6.09 \text{ m}^3$
					$= 4.86 \text{ m}^3$
					30.9825 m^3
(i) G.B in width of Portion					
					$2 \left(32 \times 30.0 \text{ m} \right) \times 0.525 \text{ m} \times 0.100 \text{ m}$
					$= 100.80 \text{ m}^3$
(ii) G.B in Full width					
					$\left(32 \times 30.0 \text{ m} \right) \times 4.05 \text{ m} \times 0.100 \text{ m}$
					$= 388.80 \text{ m}^3$
Total Qty of G.B.					
(i) + (ii) + (iii)					$= 520.5825 \text{ m}^3$
Head (ii) Providing L.B.M					
4) 3A G.B in BT Portion					
					$\left(32 \times 30.0 \text{ m} \right) \times 3.75 \text{ m} \times 0.075$
					$= 270.0 \text{ m}^3$

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item No (16) Paving of 47.3 A road Laying 18m x 3 w C.C Pavement 1000					
135.0m [(4x30.0m) + (1x15.0m)] x 3.75m x 0.075					= 37.96875 m ³
20.0m [(1x20.0m)] x 3.50 x 0.075					= 5.25 m ³
4.0m [(1x4.0m)] x 4.50 x 0.075					= 1.35 m ³
15.0m [(1x15.0m)] x 3.75m x 0.075					= 4.21875 m ³
5.0m [(1x5.0m)] x 3.30 x 0.075					= 1.2375 m ³
11.0m [(1x11.0m)] x 2.70 x 0.075					= 2.2275 m ³
Total = 190.0m					Qty = 52.2525 m ³

Item No (17) Construction of 6.4. un-reinforced PCC 130 Pavement dw 1000					
135.0 [(4x30.0m) + (1x15.0)] x 3.75m x 0.160					= 81.0 m ³
20.0m [(1x20.0m)] x 3.50m x 0.160					= 11.20 m ³
4.0m [(1x4.0m)] x 4.50 x 0.160					= 2.88 m ³
15.0m [(1x15.0m)] x 3.75 x 0.160					= 9.0 m ³
5.0m [(1x5.0m)] x 3.30 x 0.160					= 2.64 m ³
11.0m [(1x11.0m)] x 2.70 x 0.160					= 4.752 m ³
Total (L) = 190.0m					Continuation Qty = 114.472 m ³

[illegible]

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1st RIA Bill					
Abstract of cost					
Date of Entry - 04/04/2024					
All Qtr vide N. No. 19					
Item (1) Providing and					
100 fixing d & do					
egg					
P/3 item (1)					
10 Nos @ ₹ 2787.63 each					
					₹ 27,876 = 0
Item (2) clearing and					
Gravel if the road					
Land d & do					
P/4 item (2)					
0.4006 Hect					
@ ₹ 75534.75573.34/Hect					
					₹ 30,274 = 0
Item (3) Excavation					
2.14 for Roadway in					
Box cutting d & do					
egg					
P/3-4 item (3) (C)					
115.05m ³ @ ₹ 103.96/m ³ ₹ 11960 = 0					
Item (4) Cost of Euebankment					
3.3 deposited at site d & do					
egg					
P/5 item (4) 69.03m ³					
@ ₹ 62.79/m ³					
					₹ 4334 = 0
					₹ 74444 = 0

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B.F. 74.444=w	
Item No (8) Construction					
3.4. of Embankment					
obtained from					
Barrow Pits do do					
as per direction					
of Engineer					
Lead 100.0 m					
P/7 Item (8) 1113.60 m ³					
@ ₹ 188.10/m ³				₹ 209468=w	
Item (9) Construction of					
3.14. Subgrade Shoulder					
do do					
P/7 item (9) 422.40 m ³					
@ ₹ 264.42/m ³				₹ 111,691=w	
Item (10) Const of GSB					
4.1 Cr-1 (in RT Portion)					
do do					
P/5-6 item (10)					
520.5828 m ³					
@ ₹ 3241.40/m ³				₹ 1687416=w	
Item (11) Providing Levee					
4.73A Cr-3 (in BT Portion) do					
P/6 item (11) 270.0 m ³					
@ ₹ 4757.74/m ³				₹ 1284,590=w	
Continuation				₹ 33,67,609=w	

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B.F ₹ 33	67,609 = w
Item NO (9/15) Const of GSB					
4.1. G-1 in CC Portion					
do do do					
P/7 Item NO (9/15)					
20.77 m ³					
@ ₹ 3241.40/m ³					₹ 67,323 = w
Item NO (10/16) Providing R/BM					
47.34 G-3 in CC Portion					
do do as per do					
P/8 Item NO (10/16)					
52.2525 m ³					
@ ₹ 4757.34/m ³					₹ 248,603 = w
Item NO (11/17) Construction of					
6.4. Unreinforced m30					
PCC Pavement do do					
P/8 item NO (11/17)					
114.472 m ³					
@ ₹ 8573.10/m ³					₹ 981,380 = w
Item NO (12/25) Providing and					
10.6. Fixing Typical					
mm GSY Informative					
Sign Board do do do					
P/5 item NO (12/25) 2 Nos					
@ ₹ 12836.34 each					
					₹ 25,672 = w
Total A					₹ 46,90,587 = w

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
B.F. Amount "A"					₹ 56,90,587=00
Add GST @ 18.00 % of					
Amount "A" ell					₹ 8,44,305=00
Add LC @ 1.00 % of					
Amount "A" ell					
					₹ 46,905=00
Add SF @ 1.63238 %					
of Amount "A"					
					₹ 76,568=00
					Total ₹ 66,58,365=00
Less (0.127 % Below)					
as per Agt					₹ 15,278=00

₹ 66,43,087=00


 4/4/2024
 JE


 29/4/24
 A-E