

T02 VAIDYASHRAM To TUMOUL
TOLA

Schedule XLV-Form No. 134

MMUSY-NDB-BRRP-320

BENIPUR

DIVISION

TARDIH

SUB-DIVISION

Measurement Book

अमरनाथ झा

M.B.No-1669

21 SBH/2024-22

Particulars	Details of actual measurement			Contents of area
	No.	L.	B.	D.
<u>Name of Road - Construction</u>				
of Road from To. vidhyashram				
to tunnel to under				
NDB- Blocks (M.M.U.S.Y) in				
Garden Block.				
Name of Agency - Amarnath Jha				
Agreement No - 21 SBD/2021-22				
Agreement Amount - 4,45,530.34 = 40				
date of w/o - 07.09.2021				
date of completion as				
Per agreement - 06.09.2022				
Agreement Rate - (10.96-1.16%)				

date of Measurement		Item
Wise - (work done)		
C.D. WORK		
Item No-01		Excavation of
extra work for		C.D. Structure
as per drawing and Technical		
Specification of F.I.		
CH-01		860M at 710M (000mdia HP (single)
Head wall 2 x 6.45M x 1.40M x 1.45M (AV) = 26.18m ³		
Bedding = 1 x 5.78M x 1.53 x 0.25M = 2.21m ³		
CH-Link-1 at 860M		Form (0 to 410M)
at 272M - H.P 1000M dia (single)		
2 x 6.45M x 1.40M x 1.45M (AV) = 26.18m ³		
1 x 5.78M x 1.53M x 0.25M = 2.21m ³		

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

Link-1 in CH 272M to 510M

at CH = 410M H.P 1000mm dia

(single vent)

$$2 \times 6.45M \times 1.40M \times 1.45M (A) = 26.18M^3$$

$$1 \times 5.78M \times 1.53M \times 0.25M = 2.21M^3$$

CH at 1100M - H.P 1000mm dia

$$2 \times 6.45M \times 1.40M \times 1.45M = 26.18M^3$$

$$1 \times 5.78M \times 1.53M \times 0.25M = 2.21M^3$$

CH at 1100M to 1650M between

at CH = 1450M H.P. 1000mm

dia single vent (No work done)

$$\left. \begin{array}{l} 2 \times 6.45M \times 1.40M \times 1.50M (A) \\ 1 \times 5.78M \times 1.53M \times 0.25M = \end{array} \right\}$$

$$1 \times 5.78M \times 1.53M \times 0.25M =$$

Link-2 CH-1650M to FROM 0 CH 0 to 1100M)

at CH = 10M H.P 1000mm x 2 vent)

$$2 \times 8.30M \times 1.40M \times 1.50M = 34.86M^3$$

$$1 \times 5.78M \times 3.36M \times 0.25M = 4.85M^3$$

" CH at 80M - 2 x 1000mm dia pipe

Link-2 Road

$$2 \times 8.30M \times 1.40M \times 1.50M = 34.86M^3$$

$$1 \times 5.78M \times 8.36M \times 0.25M = 4.85M^3$$

Link-2 Road in at CH-600M

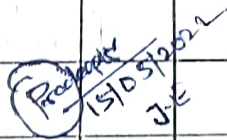
H.P single vent 1000mm dia

$$2 \times 6.45M \times 1.40M \times 1.50M = 27.09M^3$$

$$1 \times 5.78M \times 1.53M \times 0.25M = 2.21M^3$$

Particulars	Details of actual measurement				Contents of area	
	No.	L.	B.	D.		
Link-1	CH- at 410M ⁹ H.P 1000mm					
	5.78M x 1.53M x 0.55M = 4.86M ³					
(-)	5.78M x 0.22m ² (Ay)				(-) 1.27M ³	
Main CH- 1100M - 1000mm dia (HP)						
	1 x 5.78M x 1.53M x 0.55M = 4.86M ³					
(-)	5.78M x 0.22m ² (Ay) =				-1.27M ³	
CH- at 1450m (No work done)						
5.78M x 1.53M x 0.55M (-) 5.78M x 0.22m² (Ay)						
Link-2	at CH- 10M - (2 x 1000mm) ^{HP}					
	1 x 5.78M x 3.36M x 0.55M				10.68M³ 4.86M ³	
(-)	2 x 5.78M x 0.44m ² (Ay) =				+1.27M³ -5.08M ³	
Link-2 at CH- 80M ⁹ (2 x 1000mm) ^{HP}						
	1 x 5.78M x 3.36M x 0.55M				10.68M ³	
(-)	2 x 5.78M x 0.44m ² (Ay)				-5.08M ³	
Link-2 at CH- 600M ⁹ - 1000mm dia (HP)						
	1 x 5.78M x 1.53 x 0.55M				4.86M ³	
(-)	5.78M x 0.22m ² (Ay) =				-1.27M ³	
Link-2 at CH- 800M						
	5.78M x 1.53M x 0.55M				4.86M ³	
(-)	5.78M x 0.22m ² (Ay)				-1.27M ³	
				Qty =	32.74M ³	

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item 10-02 providing P.C.M. in open foundation with nominal mix (1:2:5) in C.D. work with approved quality of materials do. do all complete job as per E/E					
" 1000mm dia single vent H.P. (6 Nos)					
6 Nos $\times 2 \times 6.45 \text{ m} \times 1.40 \times 0.15 \text{ m (Av)} = 16.25 \text{ m}^3$					
2 x 1000mm dia H.P. - 2 Nos					
2 x 2 x 8.30 m $\times 1.40 \text{ m} \times 0.15 \text{ m (Av)} = 6.97 \text{ m}^3$					
					23.22 m ³



Project

15/05/2022

J.E

Item 10-04 providing Head Wall in Brick Masonry work in Cement mortar (1:4) in sub structure C.D. work with approved quality of materials do. do all complete job as per E/E					
1 x 1000mm single vent - 6 Nos					
Foundation work - up to U.L					
6 Nos $\times 2 \times 6.20 \text{ m} \times (1.25 + 8.20) \times 1.20 \text{ m}$					
					$= 92.40 \text{ m}^3$

NP3	RCC	lume	PIPE	1000	mm
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do	do	all	complete
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1 x 1000 mm sigle vent.

6 NOS	X	3 NOS	X	2.50M	=	45M
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Laying of NP_3	R.C.C. frame
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pipe 2 x 1000mm dia with

approved	materials	. do . do
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all complete	job	%	Per E/L
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$$2 \times 2 \times 3 \text{ nos} \times 2.50 \text{ m} = 30 \text{ m}$$

Pragati
28/05/2022
J-E

ABSTRACT of COST

Name of work - Construction
OF Road FROM Tazvidya-
Shram to temaul talq under
NDR-Block (Mansy) in Tardim
Block}

Name of Agency - Amarnath Jhs

Agreement No - 21(EB) 2021-22

Agreement date - 07.09.2021

Date of completion as per

Agreement - 06.09.2022

Apportionment Rate - (10.964, below)

date of Entry / Measurement	
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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item No-01 Clearing and grubbing					
Road land . . . do . . . do . . .					
all complete job as per					
ELL					
B/F page No - (14)					
0.99 hectare @ 52970.33/hect					52,441 = m
Item No-02 providing setting out					
pillar Bench Mark . do . do .					
all complete job as per ELL					
B/F page No - (14)					
4 Nos @ 419.46/Nos					16,598 = m
Item No-03 providing and fixing					
setting out Reference pillar					
do . . do . . all complete job					
as per ELL					
B/F page No - (14)					
15 Nos @ 1920.97/1nos					28,815 = m
Item No-04 construction of Road					
embankment with materials					
obtained from borrow pits . do					
do all complete job as					
per ELL					
B/F page No - (15)					
(a) lead upto 1000m					
2154.21 m ³ @ 190.07/m ³					4,09,451 = m

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑥ local upto 100m -					
502 6.49 M ³ ④			154.28/M ³		7,75,487 = m
<u>Item No - 05</u> excavation for					
Road work in soil - do - do					
all complete job as per					
E/L					
B/f page no - ⑮					
217.47 M ³ ④			75.57/M ³		16,434 = m
<u>Item No - 06</u> Earth work excavation					
for C.P structure work as					
per drawing and technical					
specification of E/L					
B/f page no - ⑳					
251.58 M ³ ④			279.09/M ³		70,213 = m
<u>Item No - 07</u> providing and					
laying of local sand in					
bedding of cement - do -					
do - do - do - do					
B/f page no - ㉑					
32.74 M ³ ④			443.78/M ³		16,166 = m
<u>Item No - 08</u> providing p.c.c mix					
with nominal mix (1:2.5:5)					
in open found cement - do					
do - do - do - do					
B/f page no - ㉒					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
23.22 M ³ (a) Rs 6081.49/M ³ = 1,41,212 =					
Item No-09 providing in					
head in Brick Masonry					
in C.M (1:4) - - do - - do					
all complete job as per					
E/C					
B/F Page No- (23) + (24)					
(132.14 M ³ + 93.13) M ³					
=> 225.27 M ³ (a) Rs 5987.20/M ³ 13,48,737 =					
Item No-10 providing and					
laying R.C.C MP ₃ home pipe					
1000 mm dia. single vent do					
do - - do - - do - - do					
B/F Page No- (23)					
45 M (a) 3666.71/Mtr 1,65,002 =					
Item No-11 providing and laying					
of MP ₃ R.C.C home pipe					
2 x 1000 mm dia. With appraised					
Materials. do - - do - - do					
B/F Page No- (23)					
30 M (a) 3855.77/Mtr 1,15,673 =					
Item No-12 providing 15mm					
thick cement plaster work					
in C.M (1:4) with clean sand					
do - - do - - do - - do					
B/F Page No- (25)					
280.44 M ² (a) 187.10/M ² 52,470 =					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item NO-13 providing and laying of G.S.B Unannealed sub base by providing well graded material in uniform layer do do do all complete					
Job as per Bill					
B/E payment - (16)					
845.95 m ³ @ 3249.62/m ³					27,49,016 = 0
Item NO-14 providing and fixing typical masonry infill masonry work					
Board work					
Specification of Bill					
(17) masonry P-pier Board (17)					
(9) 9821.85/m ²					982220
(10) CH20m Board - 1 m ² @ 9821.85/m ²					982220
					Rs 59,77,359 = 0
Add G.S.T 12%					7,17,283 = 00
Add L.C 1%					59,774 = 0
					Rs 67,54,416 = 00
As per Agreement 10.96% less					7,40,284 = 0
					60,14,132 = 00
1st previous payment less (-ve)					40,92,965 = 0
					Rs 19,21,167 = 0