

MMGSY(NDB-Brics)

MMGSY NDD-BRRP-400 Mass

Punpun Manjhawli Path to Rajputana.

Schedule XLV-Form No. 134

~~03/03/2012~~ 03/03/2012

Amritsar Construction

DIVISION

Khalistan Colony

SUB-DIVISION

PUNPUN

1312

Measurement Book

Name of 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 measurement relating to each work)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
OIST RMA Bill					
Name of work → consist of Rd frame Rampur Mawauli Pather to Ranipura					
Pather					
Agreement No - 03/SBD/2023-24					
Start Date - 03/07/23					
Completion as per CA — 02/7/24					
Agency i.e. Administrtive Comst.					

Work details

Item (01) Box (01) Providing & fixing of working Bench mark pillar etc complete -

= 01 Neg

Item (02) Box (02) Providing & fixing of Reference Pillar — etc complete

= 02 Neg

Item (03) Boxes (03) Providing and fitting Logo of Ministry, Area Board Main Board as per specifications

= 02 Neg

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item (04) Bdg Sinc (03)					Rd
Bank	etc	complete			
8 Nos x 30 x 2 x 3.84 + 3.2				2	1680 m^3
6 Nos x 30 x 2 x 3.07 + 3.50				2	1260 m^3
4 x 30 x 2 x 4.00 + 3				2	340 m^3
					Total 3780 m^3
					$= 0.38 \text{ Ha}$
Item (05) Bdg Sinc (04)	const of				
Bank embankment with appraised material					
100 m for land	etc complete				
Total cost	$59.3 + 6.5 \text{ m}^3$				
	@ 70%				$= 415.55 \text{ m}^3$
					Total 415.55 m^3
Item (06) Bdg Sinc (05)	const of				
Bank embankment with appraised material					
100m for land	etc complete				
Total Qty	$= 23.2 \text{ m}^3$				
	@ 70%				
					Total $= 506.2 \text{ m}^3$
Item (07) Bdg (06)	const of Subgrade				
8 Bank from shoulders					
	etc complete				
15 Nos x 30 x $\frac{6.2 + 4.6}{2} \times 0.350$					$= 929.25 \text{ m}^3$
35 x $\frac{3.3 + 4.7}{2} \times 0.300$					$= 52.50 \text{ m}^3$
2 x 30 x $\frac{5.5 + 4.9}{2} \times 0.35$					$= 109.2 \text{ m}^3$

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
20 X 5.4 + 5.00		0.35	=	36.40 m ³	
10 X 4.00		0.250	=	10.00 m ³	
15 X 30 X 2 X 1.35 X 0.200			=	243 m ³	
35 X 2 X 1.00 X 0.200			=	14 m ³	3 ft
15 X 30 X 2 X 0.300 X 0.075			=	91.12 m ³	
35 X 2 X 0.100 X 0.075			=	2.5 m ³	
2 X 30 X 2 X 0.900 X 0.100			=	10.80 m ³	
20 X 2 X 0.900 X 0.100			=	3.60 m ³	
10 X 0.1 X 0.900 X 0.100			=	0.90 m ³	
2 X 30 X 2 X 0.900 X 0.075			=	30.10 m ³	
20 X 2 X 0.900 X 0.075			=	2.70 m ³	
10 X 0.1 X 0.900 X 0.075			=	0.675 m ³	

Total = 1517.49 m³

Item 08 Bas 3 to 07 construction of

granular Subbase 0.18 Gyr - 1 kg

BT portion PCC are complete.

BT Pcc Area

1 X 13 X $\frac{5.3+4.2+3.8}{3} \times 0.200$	=	11.53 m ³
15 X 30 X 4.05 X 0.200	=	364.50 m ³
1 X 8 X $\frac{4.9+3.9+3.8}{3} \times 0.200$	=	6.51 m ³
1 X 6 X $\frac{4.2+4.4+3.8}{3} \times 0.200$	=	4.80 m ³
1 X 25 X $\frac{3.3+3.1+2.9}{3} \times 0.100$	=	7.075 m ³
1 X 12 X $\frac{3.6+3.7+3.5}{3} \times 0.100$	=	4.32 m ³
1 X 22 X $\frac{3.10+3.4+3.7}{3} \times 0.100$	=	7.065 m ³

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1 X 6 x 0.00 x 4.0 + 4.7 + 3.7	<u>3</u>				2.46 m ³
1 X 11.00 x 4.10 + 3.9 + 3.75	<u>3</u>				4.31 m ³
1 X 15.00 x 4.0 + 3.8 + 4.0	<u>3</u>				6.10 m ³
					Total 14.89 m ³
<u>Plinth (09) Bed & Sand (08) Providing layer spreading and compacting layer</u>					
Brick					
1 X 13 x 3.0 + 4.0 + 3.8	<u>3</u>	x 0.075			4.32 m ³
15 x 3.0 x 3.75 x 0.075					12.656 m ³
1 x 8 x 4.5 + 3.9 + 3.8	<u>3</u>	x 0.075			2.44 m ³
1 X 6 x 4.0 + 4.7 + 3.8	<u>3</u>	x 0.075			1.08 m ³
PCC area					
1 X 25 x 3.0 + 3.0 + 2.0	<u>3</u>	x 0.075			5.81 m ³
1 X 12 x 3.0 + 3.7 + 3.5	<u>3</u>	x 0.075			3.24 m ³
1 X 22 x 3.10 + 3.6 + 3.0	<u>3</u>	x 0.075			5.72 m ³
1 X 6 x 4.0 + 4.7 + 3.7	<u>3</u>	x 0.075			1.85 m ³
1 X 11 x 4.0 + 3.9 + 3.75	<u>3</u>	x 0.075			3.23 m ³
1 X 15 x 4.0 + 3.8 + 4.0	<u>3</u>	x 0.075			4.58 m ³
					Total 159.55 m ³

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item (10) B008 (12) construction of unreinforced PCC pavement M30 water 43 grade cement etc complete					
	$1 \times 2.5 \times 3.3 + 3.10 + 2.9$	3	$\times 0.160$	^{avg}	$= 12.40 \text{ m}^3$
	$1 \times 12 \times 3.6 + 3.7 + 3.5$	3	$\times 0.160$		$= 6.91 \text{ m}^3$
	$1 \times 2.2 \times 3.10 + 3.6 + 3.7$	3	$\times 0.160$		$= 12.20 \text{ m}^3$
	$1 \times 6 \times 4.6 + 4 + 3.7$	3	$\times 0.160$		$= 3.94 \text{ m}^3$
	$1 \times 11 \times 4.0 + 3.9 + 3.7$	3	$\times 0.160$		$= 6.89 \text{ m}^3$
	$1 \times 1.5 \times 4.3 + 3.8 + 4.0$	3	$\times 0.160$		$= 9.76 \text{ m}^3$
					TOTAL 52.16 m^3

Item no (11) B008 (16) providing and
laying of reinforced cement concrete
PCC duct 300 mm dia etc complete

$$2 \times 5.00 = 10 \text{ nos}$$

Item (12) B008 (28) earthworks for

excavation for foundation for
Caissons etc etc complete

$$4 \times 0.2 \times 6.40 \times 1.4 \times 1.50 = 26.88 \text{ m}^3$$

$$\text{below PCC } 1 \times 4.90 \times 1.05 \times 0.350 = 2.54 \text{ m}^3$$

$$\text{Total } 29.45 \text{ m}^3$$

continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item(13) Base (21) Plain bricklaying PCC M15 as levelling course for floor etc Complete.					
	$2 \times 6.40 \times 1.40 \times 0.150 = 20.71 m^3$				
Base Plate 1 x 4.90 x 1.30 x 0.250 = 1.83 m ³					
	Total				4.54 m ³
Item(14) Base (30) Plain cement concrete for substructures etc complete					
	$2 \times 6.10 \times 1.25 + 0.40 \times 1.30 \times 0.20 = 32.20 m^3$				
Parapet	$2 \times 6.10 \times 0.40 \times 0.60 = 2.92 m^3$				
Less for R.C.C. $2 \times 0.78 \times (0.2)^2 \times 0.622 = (-) 1.47 m^3$					
	Total				23.65 m ³
Item(15) Base (31) Plain bricklaying R.C.C. NP3 1000 mm dia H.P.C. etc cum $3 \times 2.58 = 7.50 m$					
Item(16) Base (32) Parapet of parapet walls, less count by intrinsic point & one count taken, etc complete.					
	$2 \times 6.10 \times 0.140 = 4.88 m^2$				
	$4 \times 6.10 \times 0.550 = 13.42 m^2$				
	$4 \times 0.40 \times 0.550 = 0.88 m^2$				
	Total				19.18 m ²
	<i>21/12/23</i>				<i>21/12/23</i>
	A.E.				V.E.

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Particulars	Details of actual measurement				Contents of area	
	No.	L.	B.	D.		
Calculation of S.Fee						
<u>Storage fee</u>						
(1) Cost of subgrade & Gutter shoulder						
Qty wide TMB PWN ⑥ 30						
1517.49 m ³ @ Rs 35.01/m ³ B 53 127/-						
(2) P.C.C. Gutter						
Qty wide TMB PWN 33.04						
418.90 m ³ @ Rs 694.09/m ³ B 290754/-						
(3) W.B.Am D700 - III						
Qty wide TMB PWN ④						
159.55 m ³ @ Rs 1409.22/m ³ B 224841/-						
(4) P.C.C Rigid Pavement						
Qty wide TMB PWN ⑤						
52.01 m ³ @ Rs 1013.70/m ³ B 53126/-						
(5) 300mm dia irrigation pipe						
To Km @ Rs 51.60/km B 51/-						
(6) P.C.C M15						
4.54 m ³ @ Rs 1105.74/m ³ B 5020/-						
(7) P.C.C M20 Subgrade						
33.65 x 105.74 m ³ B 37208/-						
(8) 1000 mm dia N.P.B H.P.C pipe						
7.05 Km @ Rs 6.87/km B 52/-						
Total B 66463.39/-						
So S. Fee @ 10% B 66463.90						
Total B 66463.90/-						

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	<u>Absence of crest</u>				
Item(01)	B08(01)	Setting out of boundary			
	Bench marks				
	Qty width TM B PPN(01)				
	01 Nos Q R 4401.61/ea	R 4401/-			
Item(02)	B08(02)	Setting out of Reference			
	Pillar	etc complete			
	Qty width TM B PPN(01)	in			
	02 Nos Q R 8141.08/ea	R 16282/-			
Item(03)	B08(03) Proximity and Alinity				
	M Miles Lago main Board etc				
	Complete				
	Qty width TM B PPN(01)	ie			
	02 nos Q R 1101.39/ea	R 2203/-			
Item(04)	B08(04) Cleaning & grubbing				
	Rd bnd.				
	Qty width TM B PPN(02)				
	0.88 Ha Q R 72697.86/Ha				
					R 27625/-
Item(05)	B08(05) Cost of Embankment				
	width of stone material 100 mtr bed				
	Qty width TM B PPN(02)	10			
	415.05 m ³ Q R 212.24/m ³	R 90274/-			
Item(06)	B08(06) Cost of embankment				
	1000 mtr bed				
	Qty width TM B PPN(02)				
	508.24 m ³ Q R 258.51/m ³	R 130868/-			

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item(07)	Boo(01)	Const. of subgrade			
Qty	Concrete boulders	TMB	P/NO	03.85 02	
Qty	wide	TMB	P/NO	03.85 04	
1517.49 m ³	Q/R	259.33 m ³	Rs	393.60/-	
Item(08)	Boo(07)	Grs Gm - I			
Qty	wide TMB	P/NO	03.85 04		
418.90 m ³	Q/R	6086.69 m ³	Rs	12930.4/-	
Item(09)	Boo(08)	W.B.M 0.75 - III			
Qty	wide TMB	P/NO	04.30		
159.53 m ³	Q/R	447.510 m ³	Rs	5714.00/-	
Item(10)	Boo(12)	const. of fec rigid			
Pavement	M30				
Qty	wide TMB P/NO	(25) 30			
52.10 m ³	Q/R	7752.151 m ³	Rs	54430.7/-	
Item(11)	Boo(40)	providing and laying			
Bottom of a cable duct					
to Rm	Q/R	983.44 m ³	Rs	9834/-	
Item(12)	Boo(25)	Earth work for excavation			
for foundation of cuttest					
Qty	wide TMB P/NO	(25) 30			
29.45 m ³	Q/R	383.28 m ³	Rs	11288/-	

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item No (13) B008 SP (29) PCC N=15 in foundation lengthly course Qty with T.M B 11000 ft 30					
4.54 m ³ Q R 67 NO.79/m ³ Rs 30467/-					
Item (14) B008 (30) plain cement concrete N=20 in Substructure Qty with T.M B 7551.40 /m ³ Rs 254104/-					
33.65 m ³ C B 7551.40 /m ³ Rs 254104/-					
Item (15) B008 (31) providing laying RCC 1000 mm dia pipe					
7.5em Q R 7053.00/m Rs 52899/-					
Item (16) B008 (32) paving of culvert Paved with two coat synthetic paint with future completed.					
19.08 m ² Q R 1270.8/m ² Rs 2441/-					
Total Rs 3467618/-					
Add I.Y. L.Coy Rs 34676/-					
Add 18% GST Rs 629171/-					
Total 4126465/-					
Add S. Fee Rs (4) 66463/-					
Ref M.R.O.F Total 4192928/-					
Less 10% helped Rs (-) 419292/-					
Net Amt Rs 37,73635/-					
DRM 21/12/23					
AE CG					
Continuation 21/12/23					

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