

W/scheme - Construction & 5yr Maintenance of Road from
Punpun Manthauli Path se Paimanath In
Punpun Block

21/10/2021 - 21/10/21

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W/cont: - Mahanand Patel

21/10/2021

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No. and date of agreement
(These details should be repeated at the completion
of the measurement relating to each work)

Particulars	Details of actual measurement				Contents of area
	No	L	B	D	
<u>1st RA Bill</u>					
Name of work :- construction of					
Road from Purnapur Manthauli					
Path to Paimar Ghat.					
N/Agency -> mahasand Panch, Purnapur					
Patna					
Agreement No - 28/SB3/2020-21					
Start date - 18/09/2020					
Date of completion as per RA					
17/09/2021					

<u>Work details</u>					
Item (01) Provisioning & fixing of					
working Bench mark pillar					
etc complete.					
33 Nos X 30 = 990 mtr					
1 Nos X 10 = 10 mtr					
1000 mtr = 1.00 km					
Item (02) Provisioning & fixing of					
Reference pillar etc					
Complete					
Ref items of above are same as					
= 1.00 km					
Item (03) clearing & grubbing Rd land					
etc complete.					
28 Nos X 30 X 2 X $\frac{2.3+1.7}{2}$ Avg = 3360 m ²					

Continuation
 5 Nos X 30 X 2 X $\frac{1.5+1}{2}$ Avg = 375 m²
 1 X 30 X 2 X 1.5 = 90 m²
 = 3825 m²
 = 0.382 Hect

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
Item (04) Provisioning and Hoisting of typical mnts / instrumentation etc. based as per specification					
					= 0.2 m ³
Item (05) Const of Embankment with material obtained from borrow pits					
1000 mtr Lead etc					
Complete					
Total qty in BOQ - 2705.68 m ³					
$\frac{2705.68}{1450} \times 800 @ 65\%$					
					= 970.31 m ³
Item (06) Const of Embankment with material obtained from borrow pits					
100 mtr Lead etc					
Complete					
Total qty in BOQ - 796.10 m ³					
$\frac{796.10}{1450} \times 800 @ 65\%$					
					= 285.49 m ³
Item (07) Box cutting Excavation for road way in soil etc complete					
15 Nos X 30 X 2 X 0.525 X 0.200					
					= 94.50 m ³
6 X 30 X 2 X 0.375 X 0.200					= 27 m ³
8 X 30 X 2 X 0.375 X 0.200					= 36 m ³
Total					157.50 m ³

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
Item (8) filling in foundation trench as per chg & Specification - d/can					
$4 \times 30 \times 3.75 \times 0.100$					$= 45 \text{ m}^3$
$15 \times 30 \times 2 \times 0.525 \times 0.100$					$= 47.25 \text{ m}^3$
$6 \times 30 \times 5.00 \times 0.100$					$= 90 \text{ m}^3$
$8 \times 30 \times 2 \times 0.375 \times 0.100$					$= 18 \text{ m}^3$
				Total	200.25 m^3
Item (9) Granular sub base constd					
G.S.B by providing well graded material					
Spreading etc complete.					
$15 \times 30 \times 4.030 \times 0.100$					$= 182.25 \text{ m}^3$
$15 \times 30 \times 2 \times 0.525 \times 0.100$					$= 94.50 \text{ m}^3$
$12 \times 3.30 \text{ m} \times 0.100$					$= 3.96 \text{ m}^3$
					276.75 m^3
				limit	95.45 m^3
Item (10) WBM-3 providing, laying					
spreading and compacting.					
etc complete.					
$14 \text{ Nos} \times 30 \times 3.75 \times 0.075$					$= 118.12 \text{ m}^3$
$1 \times 9 \times \frac{6.5+4.7+3.8}{3} \times 0.075$					$= 3.37 \text{ m}^3$
$21 \text{ nos} \times 3.75 \times 0.075$					$= 5.90 \text{ m}^3$
$12 \times 3.20 \text{ m} \times 0.075$					$= 2.88 \text{ m}^3$
				Total	130.27 m^3
Item (11) Prime coat SS-1 @ 0.70 - 1 kg per sq					
over WBM-3					
Ref Item above (10)					
$\frac{130.27}{0.075}$					$= 1736.93 \text{ m}^2$

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
Item (12) Backscut RS-1 @ 0.25					
— 0.30 kg / m ² — etc complete					
Ref item No (11) P.No (03)					
Qty same as					
					= 1736.93 m ²
Item (13) Mix Seal surface 20 mm					
thick MSS-20 mm — etc					
as per Specification complete.					
Ref item No (12) P.No (04)					
Qty ditto same as					
					= 1736.93 m ²
Item (14) GST I const of G.B by freely					
with graded material spreadly					
etc complete					
6 Nos X 30 X 3.75 X 0.100 = 67.50 m ³					
8 X 30 X 2 X 0.375 X 0.200 = 36 m ³					
8 Nos X 30 X 5.75 X 0.100 = 90 m ³					
1 X 12 X 3.75 X 0.100 = 4.50 m ³					
					198 m ³
Item (15) Const of Subgrade and					
Barbed shoulder with approved					
material obtained from borrow					
Pits etc complete					
15 X 30 X 2 X $\frac{1.6 + 1.0}{2}$ X 0.200 = 30.6 m ³					
15 X 30 X 2 X $\frac{1.4 + 1.0}{2}$ X 0.075 = 8.1 m ³					
15 Nos X 30 X 2 X $\frac{0.8 + 0.4}{2}$ X $\left(\frac{0.100 + 0.025}{2}\right)$ = 12.6 m ³					
					51.3 m ³

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
Abstract of work					
Item (01) BOB (01) Selfy out work by Benchmark — etc complete					
Ref Item (01) P/NO (01)					
1.00 Km @ Rs 3810.07/Km					<u>Rs 3810/-</u>
Item (02) BOB (02) Selfy out of Reference Pillar					
Ref Item (02) P/NO (01)					
1.00 Km @ Rs 1742.39/Km					<u>Rs 1742/-</u>
Item (03) BOB (03) Providing & fixing typical masonry board as per specification					
Ref Item (03) P/NO (01)					
0.2 Km @ Rs 10875.91/Km					<u>Rs 21752/-</u>
Item (04) BOB (04) clearing and grubbing Red land — etc complete.					
Ref Item (04) P/NO (01)					
0.382 Hect @ Rs 52970.33/Hect					<u>Rs 20235/-</u>
Item (05) BOB (05) const of embankment with approved material — 100m bed etc complete					
Ref Item 05 P/NO 02					
970031 m ³ @ Rs 190.57/m ³					<u>Rs 184912/-</u>
Item (06) BOB (06) const of Embankment with material obtained — 100m ³ load					
Ref Item 06 P/NO 02					
285.49 m ³ @ Rs 153.66/m ³					<u>Rs 43856/-</u>

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
Item (07) BOB (07) Excavation for road edge in soil — etc					
complete					
Ref item in 07 page NO 01					
157.50 m ³ @ 75.57/m ³					
					11902.7
Item (08) BOB (08) Filling in foundation trenches as per drawing & specification					
Ref item in 08 page NO 03					
200.25 m ³ @ 1924.09/m ³					
					385299.7
Item (09) BOB (09) W & B Grout					
Ref item in 09 page NO 03					
95.45 m ³ @ 2486.35/m ³					
					237322.7
Item (10) BOB (10) W & B Grout — etc complete					
Ref item in 10 page NO 03					
130.27 m ³ @ 3881.11/m ³					
					501376.7
Item (11) BOB (11) Providing & applying Primer coat S-1 @ 0.7-1.0 kg/m ²					
Ref item in 11 page NO 03					
1736.93 m ² @ 43.02/m ²					
					74723.7
Item (12) BOB (12) Thick coat S-1 @ 0.25-0.50 kg/m ²					
Ref item in 12 page NO 04					
1736.96 m ² @ 14.72/m ²					
					25568.7

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