

PURBI TOLA (MIMASY GEN)

Schedule XLV-Form No. 134

(PART - A)

Document No - 12 S.B.D/2022-23

DIVISION

SUB-DIVISION

Angad Kumar Singh

1448

MEASUREMENT BOOK

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
No. <u>100</u>					
<u>Part A:</u>					
<u>Name of Work: - Construction</u>					
<u>of Road from Sogit To</u>					
<u>Purbtola under</u>					
<u>NH 45 (GEN)</u>					
<u>Part B:</u>					
<u>Bridge on changing</u>					
<u>River in Sogit To</u>					
<u>Purbtola</u>					
<u>under NH 45 (GEN)</u>					
<u>Name of Contractor: - Arjun</u>					
<u>Kumar S.M.S.</u>					
<u>Vill - Mangampur P.O. - Panaji</u>					
<u>P.S. - Belagavi - Chitradurga</u>					
<u>Agreement No. - 125 BD/2022-23</u>					
<u>Date of work start - 02/01/2023</u>					
<u>Date of completion - 02/01/2024</u>					
<u>Measurement:</u>					
<u>(1) Construction of Sub-</u>					
<u>grade and earthen</u>					
<u>shoulder with bitumen</u>					
<u>1x 21.50 x 7.98 x 0.034 = 51.47</u>					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(2) Construction of ground Subgrade with well prepared material 21.50 x 4.00 x 0.20 = 17.40 m ³ Ends widely 10 c.c. firement. 21.50 x 3.75 x 0.15 = 4.25 m ³ 21.66 m ³					
(3) B.M. and 3 provisional 10 c.c.					
Construction of stone cyclopash 21.50 x 3.75 x 0.075 = 6.05 m ³ B.M. and 3 c.c. firement 21.50 x 3.75 x 0.075 = 6.05 m ³ 4 21.50 x 0.075 = 9.375 m ³ 9.425 m ³					
(4) Forme coat forming and applying forme coat with bitumen emulsion (SS-L) m					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
prepared surface					
if granular material					
6x800	8.95				675.625
1x21.5x3.75					80.625
					755.625
(5) Tack coat					
Boundary and					
applied					
Coat with bitumen					
emulsion (RS-1)					
Qty same as item					
(6) m-s-s					
forming layer					
and rolling of					
close graded					
prime surfacing					
material					
Qty same as item					
Qty of TMB =					755.625
(7) cement concrete					
aggregates - mac					
construction of 10-					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	Abstract of Cash				
	(All City side TMB)				
(1)	Construction of reference				
	& working Bench mark				
	Qty side TMB Page				
	No. (3) items (1)				
	= 3.270 km				
	@ Rs 4827.22/km				159 49 =
(2)	Construction of reference				
	reference Burpees				
	Qty side TMB Page				
	(4) items (2)				
	= 3.270 km				
	@ Rs 314604/km				102 98 =
(3)	Clearing & grubbing				
	road land including				
	uprooting wild				
	Qty side TMB Page No. (4)				
	item (3) = 1.299 Hm				
	@ Rs 56526.51/Hm				129 389 =
(4)	Excavation for				
	road work in soil				
	with hydraulic				
	excavator -				
	Qty side TMB Page No. (4)				
	item (16/4) = 386 40 H ³				
	@ Rs 94.35/H ³				Rs 364 54 =

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(5/5) Construction of embankment with approved material obtained					
Qty wide T-18 kg/m ³ (45)					
Item - (17/5) = 386.40 m ³					
@ Rs 78.31/m ³					Rs 30239 =
(6/6) Construction of embankment with approved material -					
(1000m lead)					
Qty wide T-18 kg/m ³ Page No. (71)					
Item - (17/6) = 2210.112 m ³					
@ Rs 235.19/m ³					Rs 519796 =
(7/7) Construction of embankment with approved material -					
(100m lead)					
Qty wide T-18 kg/m ³ Page No. (71)					
Item - (17/7) = 5156.928 m ³					
@ Rs 198.02/m ³					Rs 1021175 =
(8/8) Construction of sub-grade and earthen shoulder with approved material obtained from					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
horizontal bits					
Qty vide TMD Form (80)					
Item No (25) =					166.60 m^2
Page (61) =					51.47 m^2
Page (76) =					7315.12 m^2
Page (80) =					1063.34 m^2
					7532.22 m^2
Limit =					7532.22 m^2
@ Rs 245.75/m ²					Rs 1852550 =
(9/9) Construction of granules					
Seahouse by providing well granules					
material					
Qty vide TMD					
Page No - (62) =					21.66 m^2
Page No - (46) =					2119.80 m^2
Page No - (81) =					2221.57 m^2
					2132.46 m^2
					2221.57 m^2
@ Rs 193.15/m ²					Rs 4676805 =
(10/10) Providing laying					
spreading and					
compacting stone aggregate					
Qty vide TMD					
Page No - (81) =					9.425 m^2
Page No - (46) =					898.19 m^2
					897.615 m^2
@ Rs 3221.90/m ²					Rs 2892000 =

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(11/11)	Prime coat				
	Providing and				
	applying for primer				
	coat with bitumen				
	emulsion (SS-1)				
	Qty vide TMB				
	Page No. (62) =				$755.625 m^2$
	Page No. (47) =				$7312.50 m^2$
					$8068.12 m^2$
	@ Rs 56.04/m ²			Rs	452138 =
(12/12)	Tack coat				
	Providing and				
	applying tack				
	coat with bitumen				
	emulsion (RS-1)				
	Qty vide TMB				
	Page No. (63) =				$755.625 m^2$
	Page No. (48) =				$7315.50 m^2$
					$8068.12 m^2$
	@ Rs 19.08/m ²			Rs	153740 =
(13/13)	M.S.S.				
	Providing laying				
	and rolling of close				
	graded premix-surfing				
	material of 20 mm				

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
	Thickness Composed of 13.2mm to 0.9mm				
	Qty 150 THB				
	Page No. (63) = 755.625m				
	Page No. (48) = 7312.50m				
	8068.12m				
	@ Rs	178.13/m		Rs	1437174=
(13/14)	Cement Concrete Reinforcement M-20 Construction of 10m. Reinforced detail Joint at expansion and construction Joint.				
	Qty 150 THB				
	Page No. (64) = 7.20m ²				
	Page No. (48) = 670.00m ²				
	677.20m ²				
	@ Rs	5948.79/m ²		Rs	4147496=
(15/15)	Brick Soling. Laying brick Soling layer on prepared subgrade Qty 150 THB Page No. (64) = 1145.00m ² @ Rs 471.61/m ² Rs 529993=				

Continuation

Particulars	Details of actual measurement				Contents of area
	L.	B.	D.		
(16/16) Paving and laying paving on slopes land					
Qty vide THB					
Page No. (65) = 45.0 m ³					
@ Rs 2719.47/m ³					Rs 1223765
(17/17) Construction of slope wall for protection of slopes					
Qty vide THB					
Page No. (66) = 83.70 m ³					
@ Rs 1275.29/m ³					Rs 106294
(18/18) Reinforced concrete Concrete Mix grade kilometre stone					
Qty vide THB Page (66)					
= 5.0 Nos @ Rs 2575.74					12879
(19/20) Reinforced concrete Concrete Mix grade kilometre stone					
Qty vide THB					
Page No. (66)					
= 13.0 Nos @ Rs 724.67 each					9418

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
(20/21) Boundary pillar Reinforced cement Over 10 cm wide boundary pillars Qty wide TMB = 65 Nos @ Rs 598.22 each Rs 38917 =					
(21/22) Painting two coats including primer Cost abt. filling the surface Qty wide TMB = 144.52 m ² @ Rs 103.33/m ² Rs 14971 =					
(22/23) Painting & finishing typical PM 4.5 intermediate signboard Qty wide TMB 1.6 m ² 1.6 m ² = 1.6 Nos 1.6 m ² = 2.0 Nos 3.6 m ² @ Rs 797.62 each Rs 29753 =					
(23/24) Painting & finishing of retro-reflective sign					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Cautionary mandating of inventory of (61)					
Common Circulation					
Qty wide TH Page (61)					
= 14.6 Nks					
@ Rs 4846.80 each Rs					67855 =
(24/27)					
Providing & fitting of retro-reflectors					
Common lateral driveway					
Qty wide Page No. (67)					
= 24.1 Nks @ Rs 3647.96 each Rs					37577 =
(25/28)					
Providing & fitting of retro-reflectors					
Common (50mm)					
Qty wide TH Page (67)					
= 12 Nks @ Rs 4715.31 each Rs					56584 =
(26/29)					
Providing & fitting of retro-reflectors					
Common side (40mm)					
Qty wide TH Page					
No (67) = 2.12 Nks					
@ Rs 3219.28 each Rs					16638 =

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(23/30) Priming and laying of hot applied thermo plastic compound as per					
Qty vide THB Page (46)					
= 421.880 M ²					
@ Rs 931.64 / M ²					Rs 308394 =
(28/31) Priming and laying of hot applied thermo plastic compound					
Qty vide THB Page (66)					
= 229.04 M ²					
@ Rs 44.64 / M ²					Rs 170376 =
(29/32) Earthwork excavations for structure as per drawings					
Qty vide THB Page (51)					
= 482.50 M ³					
@ Rs 325.64 / M ³					Rs 157121 =
(3/33) Pouring concrete for plain/reinforced concrete in open -					
Qty vide THB Page (48)					
= 51.51 M ³					
@ Rs 4766.20 / M ³					Rs 259806 =

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(31/34) Primary concrete for plain/reinforced concrete					
Qty vide Page No. (42)					
= 306.04 m ³					
@ Rs 4998.82/m ³ Rs					1529839=
(32/35) Primary concrete for plain/reinforced concrete in slops					
Qty vide Page No. (48)					
= 90.17 m ³					
@ Rs 5485.55/m ³ Rs					494632=
(33/36) Supplying, fitting and placing F.Y.D bar reinforcement					
Qty vide Page No. (48)					
= 3.607 MT					
@ Rs 77805.89/MT. Rs					280637=
(34/37) Plain/reinforced concrete in substructure					
Qty vide Page No. (42)					
= 225.28 m ³					
@ Rs 5455.67/m ³ Rs					1229053=

Continuation

Particulars	Details of actual measurement				Contents of area
	No	L	B.	D.	
(35/38) Plan/Reinforced concrete structure in substructure					
Qty vide TMB Page					
(43) = 18.96 m ³					
@ Rs 5724.51/m ³ Rs					108537 =
(36/39) Providing and laying reinforced concrete in super structure					
Qty vide TMB Page					
N. (44) = 20.44 m					
@ Rs 4483.62/m ³ Rs					132525 =
(37/40) Supplying, fixing and placing HSD bars					
Qty vide TMB Page					
(44) = 2.794 m ³					
@ Rs 79230.20/m ³					
Rs					221578 =
(38/41) Back filling behind abutment, wing wall					
Qty vide TMB Page No. (43)					
= 300 147.04 m ³					
@ Rs 833.00/m ³ Rs					122484 =

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(39/42) Providing workholes in brick masonry/stone masonry, plain/reinforced					
Qty HDB Pgs No. (67)					
= 140.2 Nos					
@ Rs 120.2/each Rs					168292
(40/43) Providing and laying reinforced cement concrete pipe NPS for Culverts 1000mm dia pipe					
Qty HDB Pgs No. (3)					
= 30.24 M					
@ Rs 4169.49/M Rs					1250852
(41/45) Providing & laying reinforced concrete pipe NPS 600mm dia					
Qty HDB Pgs No. (12)					
= 22.50 M					
@ Rs 1369.86/M Rs					308222
(42/46) Laying cement concrete pipe NPS					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
burned concrete on first class bedding					
Qty width B.P. (49)					
Here N (20) = 95 m					
Perimeter (49) = 75 m					
				1600 m	
② Rs 837.34/m Rs 133922					
(43/47) Layer first class bedding on well					
Compacted sand					
Qty width B.P. (43)					
Here N (10/47) = 7.47 m					

② Rs 531.72/m Rs 39722					
(44/48) Rillay information benches as per drawing					
Qty width B.P. (43)					
Here N (11/48) = 92.84 m					
② Rs 531.72/m Rs 227792					
(45/49) Porosity and layer boulder & perfor bed protection					
Qty width B.P. (67)					
Here N (20) = 32.33 m					
② Rs 2674.93/m Rs 864822					

C. or Continuation to 244029512

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