

H/S No. 1, Kankarbagh, Bmt-2 Co

IMAMGHANJ TELPA TO AKOPUR VIA
KUDRASI

Schedule XLV Form No. 134.

ARWAL

MMGSUY

DIVISION

KARPI

SUB-DIVISION

922

Measurement Book

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of Work :- Repair from Jangam Telpa Road To Akkopur Via Kudrasi Road.					
Name of Agency :- M/S Ma Kamakhy Const. & Company					
Agreement No - 15/MBD/MMGSUY/2024-25					
Date of start - 28/10/2024					
Date of Completion - 27/07/2025					
Date of Measurement -					
Work Done.					
① Provided supply, cutting, bending, binding of HYSD bars in cut-off wall - do - do all Comp as per drawing & direction of E/I. (3-cell Box Culvert). 12 mm dia bar. $13.62 + 0.30 = 13.92 \text{ m} \times 4 \times 8 = 445.44 \text{ m}.$ $2 \times (13.42 + 0.30) = 3.14 \text{ m} \times 2 \times 69 = 474.72 \text{ m}.$ $(2 \times 0.890 \text{ kg/m} \times 1.05 = 1.860 \text{ kg} \checkmark$					
② Provided M20 grade PCC/RCC in cut-off wall - do - do all Comp as per drawing & direction of E/I. $2 \times 13.70 \times 0.30 \times 1.50 = 12.33 \text{ m}^3 \checkmark$					
③ Provided supply, cutting, bending, binding and placing in proper position					

Continuation

Abstract of Cost

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(1/8) P/V applying Primer Coat with Bitumen Emulsion (SS-1)					
---do---do all comp.					
Qty vide TMB.					
Pg No - 2637				= 21513.6 m ² (limited)	
@ Rs 57.640/m ²					→ Rs 1240009.00
(2/9) P/V applying Tack Coat with Bitumen Emulsion using emulsion					
pressure ---do---do all comp.					
Qty vide TMB.					
Pg No - 2637				= 21513 m ² (limited)	
@ Rs 19.760/m ²					→ Rs 425097.00
(3/11) P/V providing & laying Bituminous macadam with 100-120T/hr ---do					
---do all comp.					
Qty vide TMB.					
Pg No - 2637				= 1075.65 m ³ (limited)	
@ Rs 10843.26/m ³					→ Rs 11663553.00
(4/10) P/V applying Tack Coat with Bitumen Emulsion (RS-1) ---do					
---do---do all comp.					
Qty vide TMB.					
Pg No - 2637				= 21513 m ² (limited)	
@ Rs 16.510/m ²					→ Rs 355180.00
(5/12) P/V laying semi dense bituminous macadam with 100-120T/hr					

Continuation



Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
---do---do all comp.					
Qty vide TMB.					
Pg No - 38				= 537.825 m ³	
(limb - d)					
@ Rs 12917 = 26/m ³					Rs 6947225 = w
<6/67> P/V dismantling of RCC in					
diff. culvert				do - do	
all comp.					
Qty vide TMB.					
Pg No - 38				= 3.25 m ³	
Pg No - 42				= 5.42 m ³	
Pg No - 71				= 0.599 m ³	
				3.849 m ³	
				9.026 m ³	6421 = w
@ Rs 692 = 768/m ³					Rs 2666 = w
<7/68> P/V dismantling of RCC in					
diff. culvert structure				do - do	
---do---do all comp.					
Qty vide TMB.					
Pg No - 38				= 9.24 m ³	
@ Rs 1610 = 17/m ³					Rs 14877 = w
<8/69> P/V dismantling of brick					
masonry work in diff. structure					
---do---do all comp.					
Qty vide TMB.					
Pg No - 39				= 61.88 m ³	
Pg No - 44				= 178.70 m ³	
Pg No - 71				= 17.325 m ³	
				77.205 m ³	
				257.905 m ³	83028 = w
@ Rs 321 = 732/m ³					Rs 25499 = w
<9/28> P/V E/W excavation in form					
trenches for RCC slab culvert					
---do---do all comp.					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Qty vide TMB					
Pg No - 39				= 97.517 m ³	
@ Rs 405 = 830/m ³					Rs 39575=00
<10/41> P/V E/W excavation in					
found ⁿ in 2 Cell Box Culvert - do					
--- do all comp.					
Qty vide TMB.					
Pg No. - 39				= 248.57 m ³	
Pg No. - 49				= 243.888 m ³	
Pg No. - 66				= 61.617 m ³	
@ Rs 405 = 83/m ³				554.075 m ³	Rs 224860=00
<10/29> P/V course sand filling in					
found ⁿ branches --- do --- do					
Qty vide TMB.					
Pg No - 39				= 2.235 m ³	
@ Rs 578 = 656/m ³					Rs 1293=00
<12/30> P/V M15 grade PCC in open					
found ⁿ in RCC Slab Culvert -					
--- do --- do all comp.					
Qty vide TMB.					
Pg No - 40				= 15.466 m ³	
@ Rs 6389 = 510/m ³					Rs 78820=00
<13/31> P/V M20 gr PCC in open					
found ⁿ of RCC Slab Culvert - do					
--- do all comp					
Qty vide TMB.					
Pg No - 40				= 63.15 m ³	
@ Rs 7387 = 510/m ³					Rs 466521=00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<14/32> P/V M20 gr. RCC in RCC					
slab culvert substructure --- do					
--- do all Comp.					
Qty vide TMB					
Pg No - 40				= 42.28 m ³	
@ Rs 7387 = 510/m ³					→ Rs 312359 = 00
<15/42> P/V M15 grade RCC in					
open for 2-cell Box Culvert					
--- do all Comp.					
Qty vide TMB					
Pg No - 40				= 41.203 m ³	
@ Rs 6389 = 10					→ Rs 263267 = 00
<16/33> P/V M20 grade RCC/RC in					
dirt wall/Parapet wall --- do					
--- do all Comp.					
Qty vide TMB					
Pg No - 41				= 8.047 m ³	
@ Rs 7387 = 510/m ³					→ Rs 59447 = 00
<17/35> P/V reinforcement of diff					
dia in diff RCC structure					
in slab culvert --- do --- do					
all Comp.					
Qty vide TMB					
Pg No - 41				= 1.011 MT	
@ Rs 7532 = 47/MT					→ Rs 76156 = 00
<18/34> P/V M25 grade RCC in					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Deck Slab of Slab Culvert --- do					
--- do all Comp.					
Qty vide TMB					
Pg No - 41				= 8.862m ³	
@ Rs 7475 = 510/m ³					Rs 66263 = w
<19/1> Clearing and grubbing --- do					
--- do all Comp.					
1.501 Hect [Qty v. TMB Pg - 42]					
@ Rs 76926 = 080/Hect					Rs 115466 = w
<20/2> Scarifying the existing bituminous --- do --- do					
10889.64m ² [Qty v. TMB Pg - 42]					
@ Rs 32 = 78/m ²					Rs 256962 = w
<21/5> Const. of GSB by PM well Screened --- do --- do all Comp.					
140.34m ³ [V. TMB Pg - 42]					
@ Rs 2211 = 79/m ³					Rs 310403 = w
<22/6> P/V laying spreading & Comp.					
--- do --- do all Comp.					
109.635m ³ [V. TMB Pg - 42]					
@ Rs 4537 = 27/m ³					Rs 497444 = w
<23/7> P/V laying spreading & Comp. of WBM Gr-II --- do --- do					
1848.18m ³ [Qty v. TMB Pg - 42]					
@ Rs 4389 = 95/m ³					Rs 811348 = w
<24/22> E/W excavation in foundation in MP culvert --- do --- do					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	Qty	Vide	TMB.		
Pg. No-42			= 167.71 m ³		
Pg. No-71			= 15.73 m ³		
			183.44 m ³		
limited to			183.36 m ³		
@ Rs 405.83/m ³					Rs 74415.20
<28/23> P/V M 15 grade PCC in					
levelling course		do	do		
	Qty	Vide	TMB.		
Pg. No-42			= 28.02 m ³		
Pg. No-71			= 1.875 m ³		
			29.895 m ³		
@ Rs 6389.51/m ³					Rs 191014.20
<26/24> P/V M 20 grade PCC in					
substructure of HP Culvert		do	do		
--- do all comp.					
	Qty	Vide	TMB.		
Pg. No-42			= 177.05 m ³		
Pg. No-73			= 15.165 m ³		
			192.215 m ³		
@ Rs 7387.51/m ³					Rs 1420064.20
<27/25> P/V laying NP-3					
Pipe of dia 1000mm		do	do		
	Qty	Vide	TMB.		
Pg. No-42			= 22.50 m ³		
@ Rs 6789.59/m					Rs 152766.20
<28/26> P/V laying NP-3 HP of					
600mm dia		do	do		
	Qty	Vide	TMB.		
Pg. No-42			= 37.50 m ³		
Pg. No-73			= 7.50 m ³		
			45.00 m ³		

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
@ R ₃ 3257 = 778/M					R ₃ 146600 = W
<29/70> Removal of all pipes of Hume pipes - 600 mm dia. Qty vide TMB.					
Pg No - 44				= 25.00 M.	
Pg No - 71				= 5.00 M.	
				30.00 M.	
@ R ₃ 263 = 377/M					R ₃ 7901 = W
<30/71> Removal of Hume Pipes of 1400 mm dia. Qty vide TMB.					
Pg No - 44				= 15.00 M.	
@ R ₃ 356 = 134/M					R ₃ 5342 = W
<31/66> Plv supplying, laying and fitting RCC Hume Pipe of dia. 300 mm. Qty vide TMB.					
Pg No - 44				= 37.50 M.	
Pg No - 73				= 15.00 M.	
				52.50 M.	
@ R ₃ 1034 = 31/M					R ₃ 5430 = W
<32/44> Plv supplying, cutting, binding and binding H.Y.S.D bars reinforcement - do - do all comp. Qty vide TMB.					
Pg No - 46				= 580 kg.	
Pg No - 50				= 860 kg.	
				1440 kg.	
@ R ₃ 7356 = 070/M					R ₃ 105529 = W
<33/43> Plv W 20 grade PCC mix.					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
apex found in Box Culvert.					
---do---do all Comp.					
Qty vide TMB.					
Pg No - 46				= 8.37 m ³	
Pg No - 50				= 12.30 m ³	
Pg No - 67				= 23.176 m ³	
Pg No - 67				= 18.757 m ³	
				<u>62.603 m³</u>	
② R 7387 = 51/m ³					R 4624802 W
(34/45) P/V M20 grade RCC in					
d/wall ---do---do all Comp.					
Qty vide TMB.					
Pg No - 49				= 36.258 m ³	
Pg No - 61				= 18.160 m ³	
Pg No - 67				= 18.757 m ³	
				<u>73.615 m³</u>	
				Limited to 72.551 m ³	
② R 7387 = 51/m ³					R 535971 W
(35/46) P/V W20 grade in RCC/RC					
structures ---do---do					
Qty vide TMB.					
Pg No - 53				= 24 Nos.	
Pg No - 54				= 24 Nos.	
Pg No - 57				= 36 Nos.	
Pg No - 68				= 36 Nos.	
				<u>126 Nos.</u>	
② R 286 = 02/each					R 343220
(36/47) P/V M20 grade RCC/RC in					
Substructure in Box Culvert ---do					
---do all Comp.					
Qty vide TMB.					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Pg No- 48			=	32.192 m ²	
Pg No- 53			=	48.895 m ³	
Pg No- 53			=	32.370 m ³	
Pg No- 54			=	42.320 m ³	
				156.877 m ³	
@ R 7475 = 510/m ³					→ R 11720632 = 0
(37/48) P.V. Supplying, cutting, bending, binding & placing M.Y.S.D. bars reinforced - - - do - do					
				Qty vide TMB.	
Pg No - 48			=	7159 kg	
Pg No - 52			=	7753 kg	
				14912 kg	
				limited to 14776 kg	
@ R 7377 = 370/MT					→ R 1090134 = 00
(38/49) P.V. Back filling behind ABH and Return in Box Culvert					
- - - do - - do all Comp					
				Qty vide TMB.	
Pg No - 57			=	85.52 m ³	
Pg No - 73			=	86.05 m ³	
				171.57 m ³	
				limited to 169.227 m ³	
@ R 2078.57/23					→ R 310179 = 0
(39/50) P.V. Filter media with crushed granular - - - do - do in Box Culvert.					
				Qty vide TMB.	
Pg No - 57			=	38.92 m ³	
Pg No - 73			=	39.10 m ³	
				78.02 m ³	
@ R 3408 = 238/m ³					R 265911 = 0

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<40/39> P/V filter media with crushed granular aggregate					
do -- do in slab culvert.					
Qty vide TMB.					
Pg No - 70				= 47.56 m ³	
@ R ₁ 3408 = 238 / m ³					→ R ₂ 14846320
<41/53> P/V Parapet Const. in Box culvert - do -- do					
Qty vide TMB.					
Pg No - 60				= 11.04 m ³	
Pg No - 60				= 2.88 m ³	
Pg No - 68				= 2.88 m ³ 16.80 m ³	
@ R ₂ 7387 = 570 / m ³					R ₂ 124110 = 00
<42/54> P/V Painting of Parapet in Black & white strip - do -- do all Comb.					
Qty vide TMB.					
Pg No - 69				= 113.92 m ²	
@ R ₁ 136 = 590 / m ²					R ₂ 1556020
<43/55> P/V supply & fitting Sprinkler - do -- do all Comb.					
Qty vide TMB.					
Pg No - 60				= 14 Nos.	
@ R ₁ 661 = 54 each					→ R ₂ 976220
<44/56> P/V Wearing Coat on Deck slab of REC Box culvert					
-- do -- do all Comb.					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	Qty	Wide	TM.B.		
Pg No - 60				= 12.937 m ³	
@ Rs 13733 = 75/m ³					Rs 17767420
(45/51) P/V M 30 grade RCC in					
Top slab of Box culvert					
--do--do all Comp.					
	Qty	Wide	TM.B.		
Pg No - 56				= 34.518 m ³	
Pg No - 60				= 50.887 m ³	
				85.405 m ³	
@ Rs 8855 = 89/m ³					Rs 75633720
(46/52) P/V Supplying, cutting, benching, placing, M.V.S.D bar reinforcement					
mant	--do--do all Comp.				
	Qty	Wide	TM.D.		
Pg No - 56				= 36.89 kg	
Pg No - 59				= 5340 kg	
				8989 kg	
				limited to 8984 kg	
@ Rs 75327 = 47/MT					Rs 67674220
(47/13) P/V Dry 1 rev. PCC 115 grade					
below approach slab in Box					
Culvert	--do--do all Comp.				
	Qty	Wide	TM.B.		
Pg No - 61				= 11.65 m ³	
				limited to 11.60 m ³	
@ Rs 4262 = 524/m ³					Rs 4944520
(48/14) P/V M 30 grade PCC in					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Road in village area - - - do					
- - - do all Comp.					
Qty vide TMB.					
Pg No - 64				= 492.85m ²	
				Limited to 465.358m ²	
@ Rs 8496.559/m ²					Rs 3953942.20
(49/15) PIV Kilometer stone					
200 mts Stone - - - do - - - do					
all comp.					
Qty vide TMB.					
(i) KM Stone					
Pg No - 65				= 0.8 No.	
@ Rs 2802.10 each					Rs 1681320
(ii) 200 Mm Stone					
Pg No - 65				= 19 No.	
@ Rs 7932.93 each					Rs 1508520
(50/16) PIV Retro-reflectorised					
Traffic sign - - - do - - - do					
Qty vide TMB.					
Pg No - 65				= 1.92m ²	
@ Rs 14925.96/m ²					Rs 2865820
(54/17) PIV supply fitting &					
fixing Retro-reflectorised Cautionary					
mandatory sign - - - do - - - do all					
Comp.					
Qty vide TMB.					
600 mm equivalent					
Pg No - 70				= 16 Nos.	
@ Rs 4497.82 each					Rs 7196520
600 mm Circular					
Pg No - 70				= 0.3 Nos.	

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
① R ₅₉₀ = 29 each —————→ R ₁₇₇₂₉ = W 600 x 450 mm Rectangular					
Pg No - 70				= 09 No.	
② R ₅₇₆ = 26 each —————→ R ₅₁₈₈₇ 900 x 300 mm Hand marker					
Pg No - 70				= 38 No.	
③ R ₅₇₆ = 26 each —————→ R ₂₁₉₀₈₀ = W 700 mm side octagon.					
Pg No - 70				= 01 No.	
④ R ₁₀₂₃ = 62 each —————→ R ₁₀₂₃₅ = W (52/18) P/V MIS grade RCC boundary pillars / local stone pillars — do --- do all comp.					
Qty vide TMB					
Pg No - 71				= 72 No.	
⑤ R ₆₆₈ = 20 each —————→ R ₅₀₇₉ = W 48118 = W					
(52/19) P/V plantation on bank of Road --- do --- do all comp.					
Qty vide TMB					
Pg No - 65				= 164 No.	
⑥ R ₁₃₀₅ = 10 each —————→ R ₂₁₄₀₃₆ = W					
(52/20) P/V Road marking with hot applied thermoplastic comp. --- do --- do all comp.					
Qty vide TMB					
Pg No - 65				= 1139.60 m ²	
Pg No - 65				= 195.60 m ²	
⑦ R ₈₈₆ = 50 m ² —————→ R ₁₁₈₃₁₂₃ limit of 1000000 1000064 = W 1139.60 m ² 1136.00 m ²					

JB.

Continuation

Particulars	Details of actual measurement				Contents of area.
	No.	L.	B.	D.	
Pg No - 65	On			= 1138.00 m ²	
Pg No. - 65	BT for			= 1.00 m ²	
				1139.00 m ²	
@ Rs 886.50/m ²					→ Rs 1009724.00
On PCC Footing					
Pg No - 65				= 195.60 m ²	
@ Rs 988.82/m ²					→ Rs 193413.20
<55/59> P/v B/w excavation in					
Curtain wall in Box Culvert					
Qty vide T.M.B.					
Page No - 66				= 183.14 m ²	
@ Rs 405.83/m ²					→ Rs 74324.20
<55/60> P/v supplying Boulder					
Storing - do - do					
all comp.					
Qty vide T.M.B.					
Pg No - 67				= 22.32 m ³	
@ Rs 3525.44/m ³					→ Rs 78688.20
<57/61> P/v M20 grade PCC in					
Curtain wall foundn.					
Qty vide T.M.B.					
Pg No - 66				= 4.53 m ³	
@ Rs 6389.50/m ³					→ Rs 28944.20
<58/62> P/v M20 grade PCC in					
Curtain wall of Box Culvert.					
Qty vide T.M.B.					
Pg No - 67				= 27.93 m ³	
@ Rs 7387.50/m ³					→ Rs 206355.20
<59/57> P/v M20 grade PCC in Approach					

Continuation

Continuation