

NABARD

Const. of Road from Tarawari, Maheshpur,
Paurebhatta to Kamardangi via Hajari.

Schedule XLV-Form No. 134

R.W.D. W.D. Kishanganj-2 DIVISION

Thakurganj SUB-DIVISION

AGENCY:- M/S ABILITY CONST. & SUTT
MEASUREMENT BOOK

No. 812

प्रमाणित किया जाता है कि इस तालिका पुस्तक
में कुल पृष्ठ 100 (एक सौ)
जिसे श्री. आशुतोष कुमार
के नाम से निर्गत किया जाता है।

10/11/18

कार्यपालक अभियन्ता

ग्रामीण कार्य विभाग

अ.प्र.मण्डल, किसानगंज-2

10/11/18

Sch. XLV—Form No. 134

R.W.D. W.D. Kishanganj DIVISION
Thakurganj SUB-DIVISION

Measurement Book

No. 812

Name of Officer Shri. Ashutosh Kumar
Asst. Engineer.

Date of first entry _____

Date of last entry _____

3rd & Final Bill

37

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(a) Name of work:— Const of Road & c/d works with 5 (five) years maintenance Tarabari Maheshpur Paurabhatta via Hajari Kamaardangi under Shakurganj Block by Nabard Scheme.					
(b) Agency:— M/s Ability Constr & Supplier.					
At—Nantola, Islampur Dist—Udaipur (G.B.)					
(c) Date of Completion—14.11.19					
(d) Date of Actual Completion of work—10.11.19					
(e) Date of Entry—25/12/19 (Due to M.B. Pending in division office for the wait of 2nd bill payment & allotment)					
Record Entry					
(1/9) Providing and applying primer coat with bitumen emulsion—(SS-1) on prepared surface of granular base					

Continuation
all work.

(2/10) Providing and applying
tack coat with bitumen
emulsion (RS-1) all comp.
Area & Qty Same as
item No - 1/a
9468.75 M²

(3/11) Providing, laying & rolling
of close-graded premix
surface material 20 mm thick
all comp.
Area & Qty Same as item
No - 2/10
9468.75 M²

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(4/12) Const. of un-reinforced, dowel jointed at expansion and const joint only plain Cement Concrete pavement M-30 all comp.					
4 X 30.0 X	3.75	X 0.16 =	72.0		
3 X 30.0 X	3.75	X 0.16 =	54.0		
2 X 30.0 X	3.75 + 3.80	X 0.16 =	36.24		
2 X 30.0 X	3.80 + 3.85	X 0.16 =	36.72		
4 X 30.0 X	3.75 + 3.85	X 0.16 =	72.96		
1 X 30.0 X	3.85 + 3.95	X 0.16 =	18.72		
1 X 20.0 X	3.95 + 3.95	X 0.16 =	12.64		

(5/6) Const. of subgrade & earthen shoulders with approved material obtained from borrow pits all comp.					
Sides of G.S.B. 10 X 2 X 30.0 X 1.49 X 0.200 =	178.80				
10 X 2 X 30.0 X 1.49 X 0.200 =	178.80				
10 X 2 X 30.0 X 1.49 X 0.200 =	178.80				
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10 X 2 X 30.0 X 1.49 X 0.200 =	178.80				
10 X 2 X 30.0 X 1.49 X 0.200 =	178.80				
3 X 2 X 30.0 X 1.49 X 0.200 =	53.64				
1 X 2 X 10.0 X 1.49 X 0.200 =	5.96				

1490.0
M3

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				BF--	1490.0 M ³
Sides of WBM	-	10x2x30.0	x1.295	x0.075	=58.275
		10x2x30.0	x1.295	x0.075	=58.275
		10x2x30.0	x1.295	x0.075	=58.275
		10x2x30.0	x1.295	x0.075	=58.275
		10x2x30.0	x1.295	x0.075	=58.275
		10x2x30.0	x1.295	x0.075	=58.275
		10x2x30.0	x1.295	x0.075	=58.275
		10x2x30.0	x1.295	x0.075	=58.275
		3x2x30.0	x1.295	x0.075	=17.4825
		1x2x10.0	x1.295	x0.075	=1.9425
		10x2x30.0	x1.655	x0.160	=75.794
		6x2x30.0	x1.315	x0.160	=75.794
		1x2x20.0	x1.315	x0.160	=8.416
					2479.45
					M ³
				Limit =	2475.66 M ³
				Less previous paid 85	
				vide TMB Page No-28	
				item No-4/6	(-) 1955.0 M ³
					520.66 M ³
(6/13)				Reinforced Cement Concrete	
				M15 grade Kilometer Stone	
				all Comp. (Ordinary RM stone present)	
				4 NOS.	

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(7/14) Reinforced Cement Concrete M15 grade local stone for 200m stone all up.					
		13 Nos.			
(8/15) Reinforced Cement Concrete M15 grade boundary pillars all Comp.					
		60 Nos.			
(9/16) Painting two coats including primer coat after filling the surface all up.					
Parapet - $47.15 \times 0.400 =$					3.40
" Top - $2 \times 1.50 \times 0.400 =$					1.20
" Ends - $4 \times 0.400 \times 0.600 =$					0.96
Parapet sides - $4 \times 2.00 \times 0.600 =$					4.80
" Top - $2 \times 2.0 \times 0.400 =$					1.60
" Ends - $4 \times 0.400 \times 0.600 =$					0.96
Parapet sides - $4 \times 6.0 \times 0.600 =$					14.40
" Top - $2 \times 6.0 \times 0.400 =$					4.80
" Ends - $4 \times 0.400 \times 0.600 =$					0.96
					70.72 m ²
					Limit - 66.96 m ²
(10/19) Providing and fixing of retro-reflectised cat. mand. & inform. sign board all up.					
					Continuation (600mm triangle) 4 Nos.

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(11/20) Providing and fixing of retro reflectors (600mm x 450mm rect) Sign board all up.					
	7 Nos.				
(12/21) Providing and fixing 800mm circular Sign board all up.					
	11 Nos.				
(13/22) Providing and laying of hot applied thermoplastic Compound road marking					

$$2 \times 15 \times 30.0 \times 0.10 = 60.0$$

$$2 \times 10 \times 30.0 \times 0.10 = 60.0$$

$$2 \times 10 \times 30.0 \times 0.10 = 60.0$$

$$2 \times 10 \times 30.0 \times 0.10 = 60.0$$

$$2 \times 10 \times 30.0 \times 0.10 = 60.0$$

$$2 \times 10 \times 30.0 \times 0.10 = 60.0$$

$$2 \times 10 \times 30.0 \times 0.10 = 60.0$$

$$2 \times 3 \times 30.0 \times 0.10 = 18.0$$

$$2 \times 1 \times 10.0 \times 0.100 = 2.0$$

500.0

M²

(14/23) Providing and laying of
hot applied road marking
all Comp. (CC Area)

$$2 \times 10 \times 30.0 \times 0.10 = 60.0$$

$$2 \times 6 \times 30.0 \times 0.10 = 36.0$$

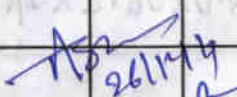
$$2 \times 1 \times 20.0 \times 0.10 = 4.0$$

100.0 M²

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(15/26) Plain/reinf Cement Concrete in Substructure all up.					
					$2 \times 6.00 \times 0.700 \times 0.200 = 1.68$
					$2 \times 6.00 \times 0.400 \times 0.240 = 1.15$
					$2 \times 2.60 \times 0.450 \times 0.300 = 0.70$
					$4 \times 0.400 \times 0.400 \times 0.600 = 0.38$
					<u>3.91 M³</u>
(16/32) Providing & laying reinf. Cement Concrete in Super Structure all up.					
					$1 \times 2.60 \times 6.00 \times 0.240 = 3.74$
					<u>3.74 M³</u>
(17/33) Providing & laying reinf. Cement Concrete in Parapet all up.					
					$2 \times 2.60 \times 0.400 \times 0.600 = 1.25$
					<u>1.25 M³</u>
(18/36) Plastering with Cement mortar (1:4) 15 mm thick on brick work in Substructure all up.					
Parapet —					$4 \times 2.0 \times 0.600 = 4.80$
					$2 \times 2.00 \times 0.400 = 1.60$
					$4 \times 0.400 \times 0.600 = 0.96$
					<u>7.36</u>
					<u>7.36 M²</u>
					PTO

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(19/38) Supplying, fitting & placing HYSD bar reinf in superstructure all up.					
Cap					
(a) 8mm					
					$2 \times 38 \text{ No} \times 1.650 = 125.40$
					$2 \times 38 \text{ No} \times 1.500 = 116.28$
					$4 \times 4 \times 2.250 = 36.0$
					$4 \times 12 \text{ No} \times 0.950 = 45.60$
					$4 \times 3 \text{ No} \times 1.450 = 17.40$
					340.68M
					$0.62 \text{ kg/m} \times 340.68 = 211.22 \text{ kg}$
(b) 2x12 No x 5.95 = 142.80					
4x4 No x 0.700 = 11.20					
					154.0M
(c) 0.62 kg/m = 95.48 kg					
Deck slab					
(c) 12 mm ϕ - 50 No x 2.90 x 0.89 = 129.05 kg					
(d) 10 mm ϕ					
Kerb - 2x4 x 2.550 = 20.40					
D/wall - 20 x 6.20 = 124.00					
Top bar - 50 x 2.60 = 130.0					
Transv - 22 x 6.0 = 132.0					
					406.40M
(e) 0.62 kg/m = 251.96 kg					
(e) 8mm ϕ Kerb Ring					
					$2 \times 10 \times 1.35 \times 0.395 = 10.615 \text{ kg}$
Total = (a+b+c+d+e) = 621.73 kg					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(20/40) Providing deep holes in brick masonry all up.					
	32 Nos.				
(21/41) Drainage shafts complete.					
	2 Nos.				
 25/12/19 JE				 26/12/19 AS	
Certified that Scheme has been physically completed on dt 25/12/19 from division office.					
 25/12/19 JE				 26/12/19 AS	

Continuation

Particulars	Details of actual measurement				Contents of area	
	No.	L.	B.	D.		
<u>3rd & Final Bill</u>						
(a) Name of work:- Const of Road						
and CD works with 5 (five)						
years maintenance of						
Tarabari Maheshpur						
Paurabhatta via Hajari						
Kamardangi under Jkg						
Block by Narmad						
Scheme.						
(b) Agency:- M/s Ability Constr						
& Supplier						
(c) Agreement:- 33/2000/2001						
(d) Date of Completion:- 10/11/19						
(f) Date of Actual Completion						
of work — 10/11/19						
(g) Date of Entry - 20/03/20						
— * —						
<u>ABSTRACT OF COST</u>						
(1/1) Setting out & Const of						
Reference & working						
Benchmark all up.						
vide TMP Page No- 1						
item No- 1/1						
3.00 KM @ Rs. 4237.88						
Per KM — Rs. 12,714=00						
C.D. — Rs. 12,714=00						

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				BF-16.12,714=00	
(2/2)	Setting out of Const of				
	Reference pillars/Burjeer				
	all comp.				
	vide TNA Page No-1				
	item No-2/2				
	3.0 KM @ Rs. 1928.41				
	Per KM — Rs. 5785=00				
(3/3)	Cleaning and Grubbing				
	Road land all comp.				
	vide TNA Page No-28				
	item No-1/3				
	4593.31 M ³ @ Rs. 115.15				
	Per M ³ — Rs. 5,28,828=00				
(5/5)	Const of embankment with				
	mat. obtnd from borrow pits				
	lead up to 1000 M all comp				
	vide TNA Page No-28				
	item No-3/5				
	1148.33 M ³ @ Rs. 155.52/M ³ — Rs. 1,78,588=				

Continuation

C.O-Rs. 7,56,004=00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					BF — $\text{Rs. } 7,56,004 = 00$
(6/6) Constn of Subgrade & earthen Shoulders with asphalt mat obtained from borrow pits all comp.					
1955.0 M ³ vide TMA Page No-28 item No-4/6					
(+) 520.66 M ³ vide TMB Page No-39/40 item No-5/6					
2475.66 M ³ @ $\text{Rs. } 158.79/\text{M}^3$ — $\text{Rs. } 4,92,136 = 00$					
(7/7) Constn of Granular Sub base by providing well graded material all comp.					
222.34 M ³ @ $\text{Rs. } 185.15$ Per M ³ — $\text{Rs. } 41,25,873 =$					
(8/8) Providing, laying, spreading and compacting stone aggregates of specific size to W.P.M. 8/11 all Comp.					
vide TMB Page No-28 item No-6/8					
852.20 M ³ @ $\text{Rs. } 474.69/\text{M}^3$ — $\text{Rs. } 40,17,859 =$					
(9/9) Providing and applying primer coat with bituminous emulsion (SS-1) as prepared					
Continuation Surface all comp.					

C.O. — $\text{Rs. } 93,91,872 = 00$

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				BF-18.28	91,872=00
				vide TMB Page No-37/38	item
				No- 1/9	
				9468.75 M ² @ Rs. 49.32	
				Per M ²	Rs. 4,66,999=00
(10/10)				Providing and applying	
				facel coat with Bitumen	
				emulsion (P.S-1) all comp.	
				vide TMB Page No-38	
				item No- 2/10	
				9468.75 M ²	
				CA-14012	Rs. 1,55,000=00

				of close-graded premix	
				Surface material 20mm thick	
				with mix local surfacing	
				all comp job.	
				vide TMB Page No-38	
				item No- 3/11	
				9468.75 M ² @ Rs. 226.06	
				Per M ²	Rs. 2,140,506=00
(12/12)				Constn of un-reinforced	
				plain cement concrete Pavement	
				M-30 all comp.	
				vide TMB Page No-39	
				item No- 4/12	
				303.0 M ³ @ Rs. 7638.95	
				Per M ³	Rs. 23,14,602=00

Continuation

C.C-18.144.69.929=00

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					BF $\text{Rs. } 1,44,69,929=00$
(13/13) Reinforced Cement Concrete					
M15 grade Kilometer Stone					
of local stone					
for ordinary KM stone (precast)					
vide TMB Page No- 40					
item No- 6/13					
4 Nos. @ $\text{Rs. } 2560.43$					
Each — $\text{Rs. } 10,242=00$					
(14/14) Reinforced Cement Concrete M15					
grade x-H stone of local stone					
for 200 H stone (precast)					
vide TMB Page No- 40					
item No- 7/14					
Per ft — $\text{Rs. } 9114=00$					
(15/15) Reinforced Cement Concrete					
M15 grade for boundary					
pillars all comp.					
vide TMB Page No- 41					
item No- 8/15					
60 No @ $\text{Rs. } 566.78$ each $\text{Rs. } 34,007=00$					
(16/16) Painting two coats including					
primer coat of the pillars					
the surface all comp.					
vide TMB Page No- 41					
item No- 9/16					
66.96 M^2 @ $\text{Rs. } 108.78/\text{M}^2$					
$\text{Rs. } 7284=00$					

Continuation

Co- $\text{Rs. } 1,45,30,576=00$

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					BF Rs 1,45,30,576=00
(17/18) Provision and fixing of typical					
informatory signboard with					
logo all comp.					
vide TMB Page No-29					
item No-7/18					
3 Nos @ Rs. 11,941.98					
each					Rs. 35,826=00
(18/18) Provision and fixing retro					
reflectors on Cant. mand. & inform					
signboard all up.					
(600mm tri glo)					
vide TMB Page No-41					
item No-10/19					

					Each — Rs. 16,684=00
(19/20) Provision and fixing of retro					
reflectors on Cant. mat & inform.					
signboard all up.					
(600MM x 450MM rectangular)					
vide TMB Page No-42					
item No-11/20					
7 Nos @ Rs. 4896.21 each					Rs. 34,273=
(20/21) Provision & fixing of retro					
reflectors on Cant. mand. & inform.					
signboard all up.					
(600MM circular)					
vide TMB Page No-42 item No-					
12/21 = 11 Nos @ Rs.					
Continuation					Rs. 1,05,051=
9550.13 each					
C.O —					Rs. 1,47,22,410=00

Particulars	Details of actual measurement				Contents of area
	No.	L	B.	D.	
					BF ft 1,47,22,410=00
(21/22) Provision and laying of hot applied thermoplastic road marking all comp. (B.T. Area) vide TNB Page No - 42 item No - 13/22 500.00 M ² @ Rs. 864.68 Per M ² — Rs. 4,32,340=00					
(22/23) Provision and laying of hot applied thermoplastic road marking all comp. (C.C. Area) vide TNB Page No - 42 item No - 13/22 100.00 M ² @ Rs. 943.53 Per M ² — Rs. 94,353=00					
(23/24) E/w in excavation of foundation & 24(A) of structure all comp. vide TNB Page No - 29/30 item No - 9/24, 25 392.60 M ³ @ Rs. 288.02 Per M ³ — Rs. 1,13,077=00					
(24/25, 26) Provision Concrete for plain/reinforced concrete in open foundation all comp. vide TNB Page No - 30 item No - 9/25, 26 48.75 M ³ = (21.0 + 27.75) @ Rs. 6066=32/M ³ — Rs. 2,65,401=00					

Continuation

C.C. Rs. 1,56,27,581=00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					BF-18. 1,56,27,581=00
(25/240) Provide Concrete for plain/reinforced Concrete M20 in coping over Protection wall all up.					
					vide TMB Page No-30
					item No-10/27
					3.0 M ³ @ Rs. 6871.27
					Per M ³ — Rs. 20,614=00
(26/26) plain/reinforced Cement Concrete in Substructure all comp.					
					vide TMB Page No-30
					item No-11/27
					3.0 M ³ @ Rs. 6871.27
					Per M ³ — Rs. 20,614=00
(27/27) Laying brick flat-soling layer on prepared sub grade all up.					
					vide TMB Page No-30
					item No-11/27
					10.26 M ² @ Rs. 256.72
					Per M ² — Rs. 2634=00
(28/28) Brick masonry work in CM (1:4) in foundation all up.					
					vide TMB Page No-31
					item No-13/28
					331.71 M ³ @ Rs. 6090.71
					Per M ³ — Rs. 20,20,349=00

Continuation

C.O-18. 1,77,00,235=00

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					BF—Rs. 1,77,00,235=00
(29/29)					Brick masonry work in
					Cement Mortar in (1:4)
					in Substructure all up
					Vide TMB Page No-31
					item No- 14/29
					56.17 M ³ @ Rs. 6366.39
					Per M ³ — Rs. 3,57,600=00
(30/24/13)					Brick flat Siding in four
					& flooring all up.
					Vide TMB Page No-31
					item No- 10/26
					140.00 M ² @ Rs. 550.00
					Per M ² — Rs. 77,000=00
					Work on concrete floor
					pipe of 1000 mm dia
					all comp.
					Vide TMB Page No-31
					item No- 15/30
					7.50 M @ Rs. 4360=37
					Per M — Rs. 92,853=00
(32/31)					Plat/reinforced Concret
					Concrete in Substructure
					all comp (Rec M ²⁰)
					Vide TMB Page No-32
					item No- 16/31
					8.65 M ³ @ Rs. 7431.92
					Per M ³ — Rs. 64,293=00

Continuation

C.O. Rs. 1,81,96,394=00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					BF — Rs. 1,81,96,394=00
(33/32) Providing and laying reinft. Cement Concrete in Super structure all Comp.					
					vide TMB Page No-43
					Item No- 16/32
					3.74 M ³ @ Rs. 8372.88
					Per M ³ — Rs. 31,315=00
(34/33) Laying (first class) bedding on well compacted sand, maximum or approx ground natural level.					
					4.87 M ³ @ Rs. 410=02
					Per M ³ — Rs. 1,997=00
(35/34) Filling in four trenches all Comp.					
					vide TMB Page No-32
					Item No- 18/34
					7.64 M ³ @ Rs. 410=02
					Per M ³ — Rs. 3,133=00
(36/35) Brick masonry work in CM (1:3) in parapet all up.					
					5.14 M ³ vide TMB Page No-32
					Item No- 19/35
(+) 1.25 M ³ vide TMB Page No-43					
					Item No- 17/35
					6.39 M ³ @ Rs. 6361=05/M ³ Rs. 40,647=00
					C.O. Rs. 1,82,73,486=00

Continuation

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

BF—Rs. 1,82,73,486=

(37/36) Plastering with Cement mortar
(1:4), 15 mm thick all up.

292.28 M² vide TMB Page No-33

item No-20/36

(+) 7.36 M² vide TMB Page No-43

/ item No-18/36

299.64 M² @ Rs. 169.39/M² Rs. 50,756=

(38/37) Providing and laying reinf.
Cement Concrete in Bys
Structure all up.

vide TMB Page No-33

item No-21/37

633 M³ @ Rs. 322=

205,986=

205,986=

205,986=

205,986=

205,986=

205,986=

1.1884 MT vide TMB Page No-33

item No-22/38

(+) 0.622 MT vide TMB Page No-44

/ item No-19/38

1.8104 MT @ Rs. 76,594=

139,667=

Rs. 1,38,667=

(40/39) Backfilling behind
abutment, wing wall and
retaining wall all up.

vide TMB Page No-34

item No-23/39

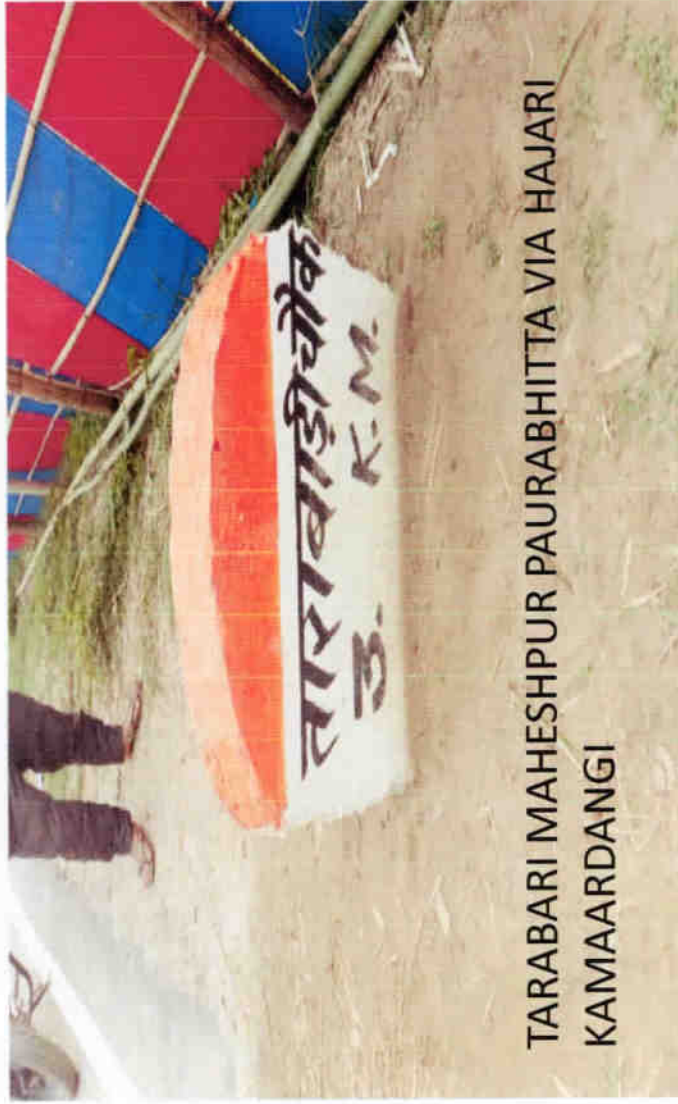
61.94 M³ @ Rs. 676.59/M³ Rs. 41,908=

C. & Rs. 1,85,58,320=

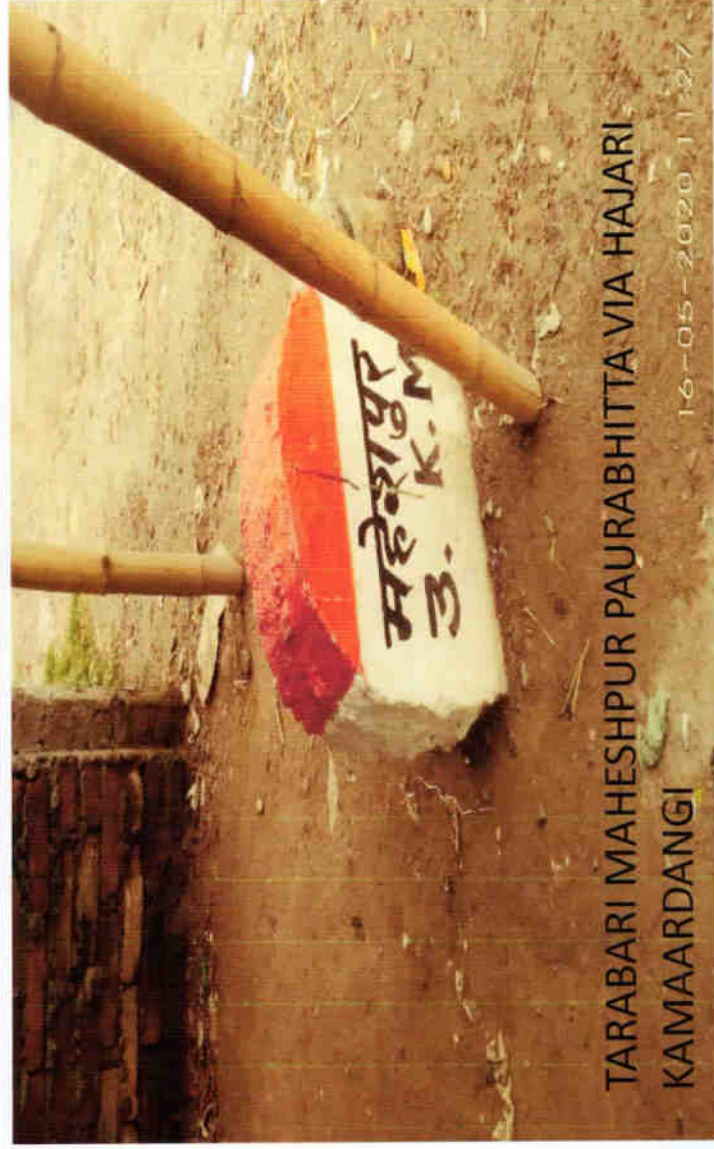
Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					BF Rs. 1,85,58,320 = 00
(41/40) Providing weep holes in brick masonry all Comp.					
126 No	vide TMB Page No - 34				
	item No - 24/40				
(+) 32 Nos	vide TMB Page No - 45				
	item No - 20/40				
158 No @Rs. @Rs. 127.38					
	each ————				Rs. 20,126 = 00
(42/41) Drainage spouts Complete all Comp job.					
4 Nos	vide TMB Page No - 34 item				
	No - 25/41				
(+) 2 Nos	vide TMB Page No - 45				
/	item No - 21/41				
6 Nos. @Rs. 617.95 each					Rs. 3708 = 00
					Rs. 1,85,82,154 = 00
Less 10% Below as per Agreement					Rs. 18,58,215 = 00 (-)
Amount due per Agreement					Rs. 1,67,23,939 = 00 1,67,08,619 = 00
Less previous paid bill					
vide TMB Page No - 35					Rs. 1,12,64,122 = 00 (-)
					Rs. 54,59,817 = 00 54,46,497 = 00
20/03/20 JE					

Continuation

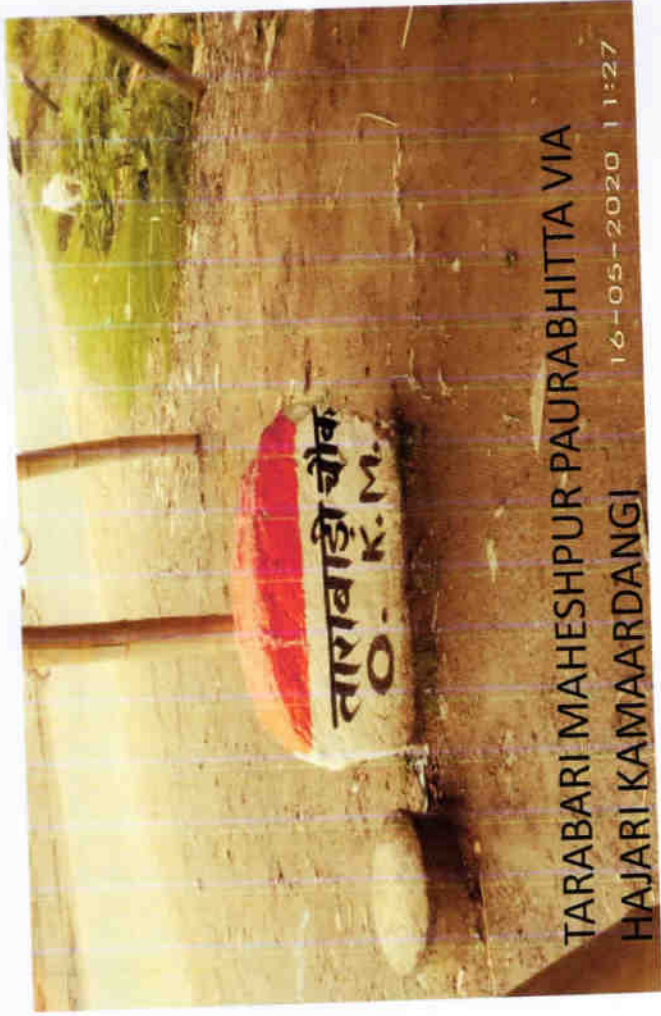




TARABARI MAHESHPUR PAURABHITTA VIA HAJARI
KAMAARDANGI



TARABARI MAHESHPUR PAURABHITTA VIA HAJARI
KAMAARDANGI



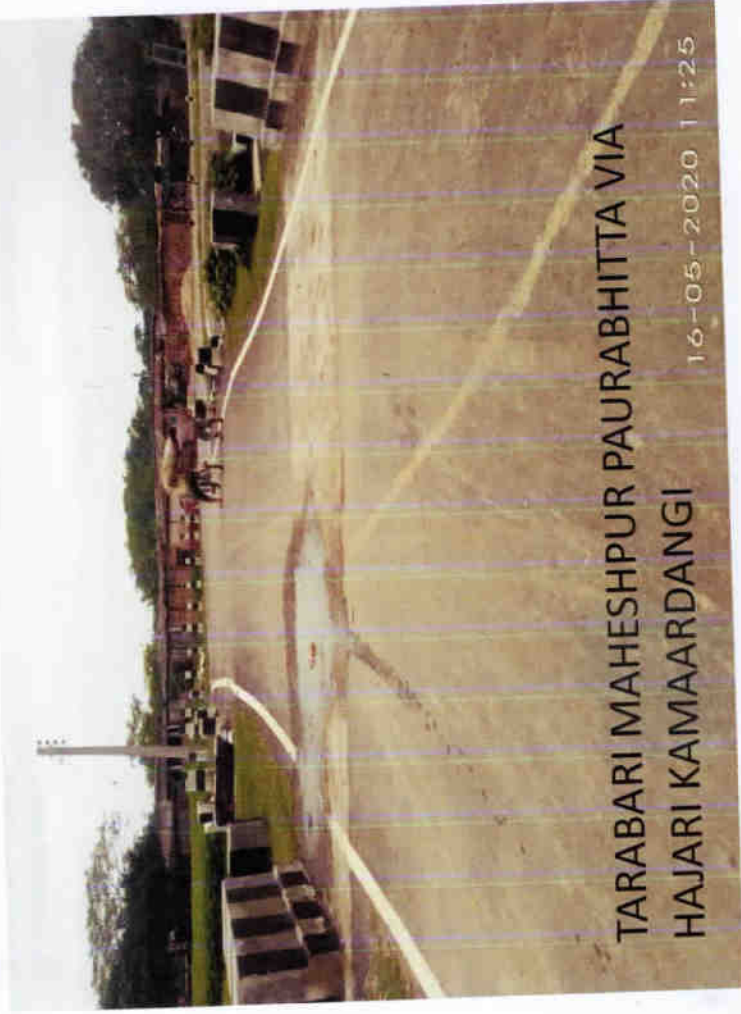
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HAJARI KAMAARDANGI

16-05-2020 11:27



TARABARI MAHESHPUR PAURABHITTA
VIA HAJARI KAMAARDANGI

05-2020 11:25



TARABARI MAHESHPUR PAURABHITTA VIA
HAJARI KAMAARDANGI

16-05-2020 11:25



TARABARI MAHESHPUR PAURABHITTA
VIA HAJARI KAMAARDANGI

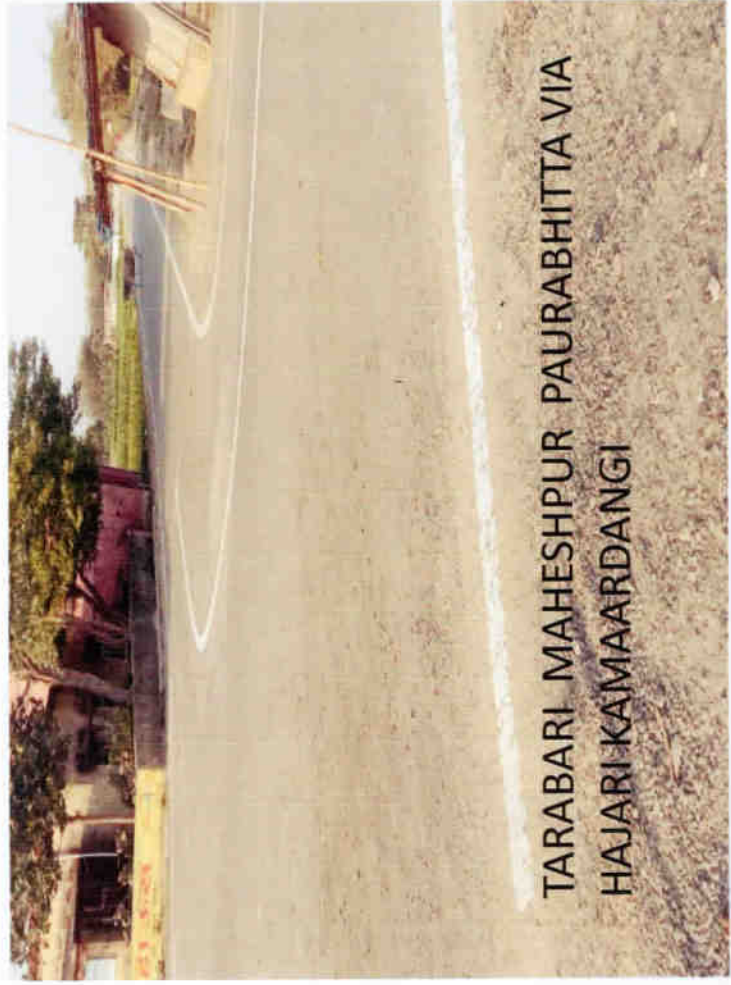
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TARABARI MAHESHPUR PAURABHITTA VIA
HAJARI KAMAARDANGI



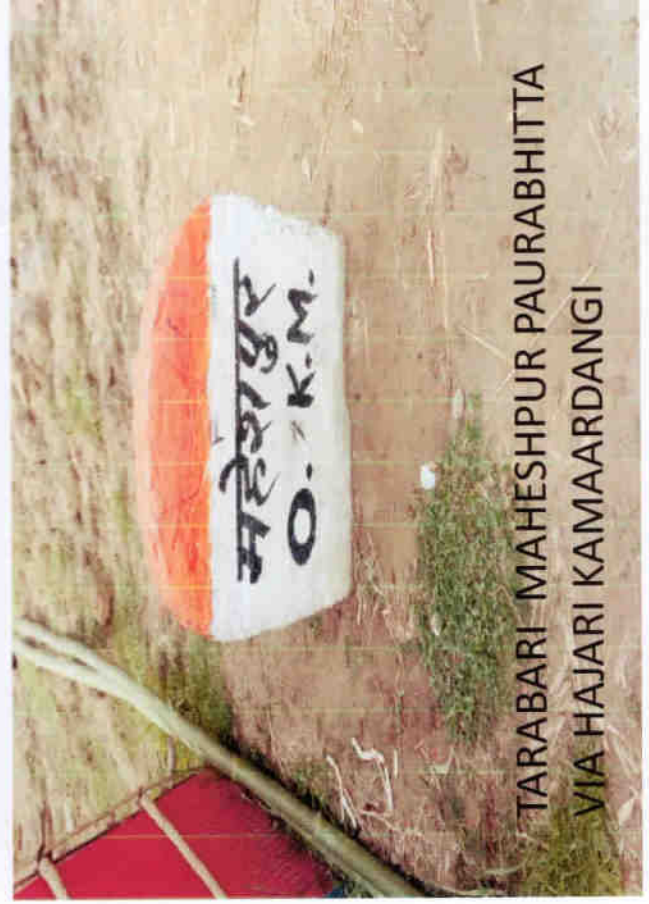
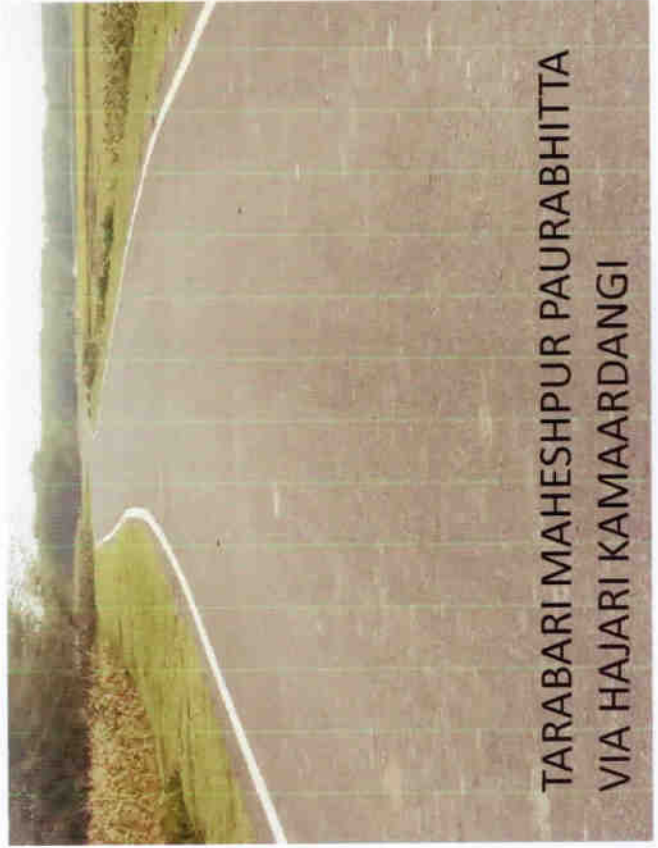
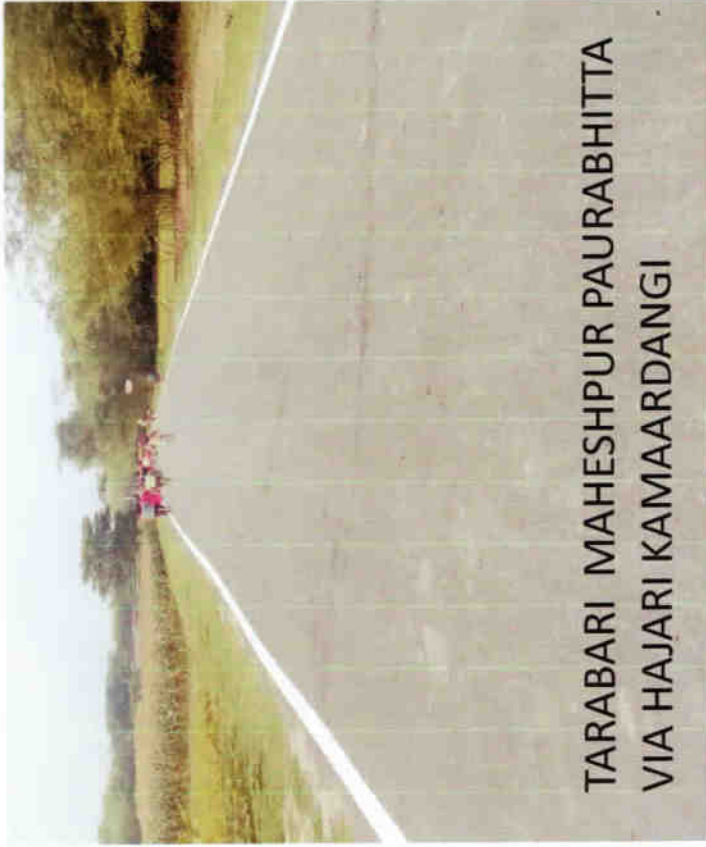
TARABARI MAHESHPUR
PAURABHITTA VIA HAJARI
KAMAARDANGI



TARABARI MAHESHPUR PAURABHITTA VIA
HAJARI KAMAARDANGI



TARABARI MAHESHPUR
PAURABHITTA VIA HAJARI
KAMAARDANGI



कार्यपालक अभियंता का कार्यालय,
ग्रामीण कार्य विभाग, क्षेत्रीय प्रयोगशाला, पूर्णियाँ।

पत्रांक 1094/2019/दिनांक 26/11/2019।

प्रेषक,

कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
क्षेत्रीय प्रयोगशाला, पूर्णियाँ।

सेवा में,

कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमंडल ...किशनगंज-2

विषय :- निर्माण कार्यों प्रयुक्त होने वाली सामग्रियों के नमूने की जाँच कर जाँच फल प्रतिवेदन भेजने के संबंध में।

महाशय,

उपर्युक्त विषय के संबंध में सूचित करना है कि निर्माण कार्यों में प्रयुक्त होनेवाली सामग्रियों के नमूने की जाँच कर जाँचफल प्रतिवेदन आपके आवश्यक कार्रवाई हेतु भेजी रही है।

क्र० सं०	पथ नाम	योजना का नाम	नमूने का जाँचफल
1.	Tarebari Maheshpur to Purab bhatta via Hajari Kamardangji Road.	NABARD.	Cube-1 set for PCC road, MSS Sample (stone chips)

अनु०-यथोक्त।

विश्वासभाजन

(Signature)
कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
क्षेत्रीय प्रयोगशाला, पूर्णियाँ

दिनांक
26/11/2019

OFFICE OF THE EXECUTIVE ENGINEER

RURAL WORKS DEPARTMENT, REGIONAL LABORATORY, PURNEA

RESULT OF PHYSICAL TEST FOR GRADATION OF COARSE AGGREGATE

NAME OF THE ROAD : Tarabari Maheshpur to Purabhatta via Hatari Kamatdangi.
 PACKAGE NO. UNDER P.M.G.S.Y. NABARD. NAME OF THE WORKS DIVISION Kishanganj-2
 NAME OF WORK : MSS NAME OF WORKS CIRCLE Kishanganj
 NATURE OF SAMPLE Stone chips. SAMPLE COLLECTED BY A.E.R.W.D. Sub-20. Takurga
vide let no. 1033504-3.11.19.
 NAME OF AGENCY M/s. Ability Cont. & Suplies LOCATION : 700 M.

Sl. NO	AIV		FLAKINESS INDEX		WATER ABSORPTION		REMARKS
	TEST VALUE	REQUIRED VALUE(MAX)	TEST VALUE	REQUIRED VALUE(MAX)	TEST VALUE	REQUIRED VALUE(MAX)	
1	1	2	3	4	5	6	
1	0.5%	30.0%			0.69%	2.0	Acceptable

SIEVE ANALYSIS FOR GRADATION OF Stone chips.

WEIGHT OF SAMPLE TAKEN 10.0 Kg.

Sl. NO	I.S. SIEVE SIZE DESIGNATION IN M.M	WT OF MIX RETAINED	% OF WEIGHT RETAINED	CUMULATIVE % OF WT. RETAINED	% OF WEIGHT PASSING	REQUIRED VALUE IN %	REMARKS
1	1	2	3	4	5	6	
1	132	0	0	0	100	100	
2	11.2	655	6.55	6.55	93.45	88-100	
3	5.6	4832	48.32	54.87	45.13	31-52	
4	2.8	3278	32.78	77.65	22.35	5-25	
5	0.090	2142	21.42	99.07	0.93	0-5	
6							

LETTER NO.

COPY TO:-

E.E.R.W.D. WORKS DIVISION Kishanganj-2

S.E.R.W.D. WORKS CIRCLE

S.E. CUM STATE QUALITY CO-ORDINATOR, BIHAR, PATNA

CHIEF, ENGINEER R.W.D. BIHAR, PATNA

25/11/19
REGIONAL LABORATORY,
R.W.D. PURNEA

25/11/19
REGIONAL LABORATORY,
R.W.D. PURNEA

25/11/19
REGIONAL ENGINEER
REGIONAL LABORATORY
R.W.D. PURNEA

OFFICE OF THE EXECUTIVE ENGINEER, RURAL WORKS DEPARTMENT, REGIONAL LABORATORY, PURNEA

SECOND TIER QUALITY CONTROL REPORT

CONCRETE CUBE TEST RESULT

R.W.D. WORKS DIVISION

Kawarangi Taluk

23/11/19

DATE OF CONCRETE

DATE OF TEST

NAME OF WORK: Tarabari Machan pur to Purabbihi via Hajar Kargari

NAME OF SCHEME: G.T.S. NABARD

NAME OF THE AGENCY: M.L. Ability Contd. Supplier

SAMPLE COLLECTED BY: A.E.R.W.D. (w) sub div. Thakurganj L.N.O. 103 20304. 5-11-19

NATURE OF SAMPLE: CUBE

LOCATION: 400 M

Sl. No.	Description	Date of Concreting	Member Under Construction	Strength of Mix	Identification of Mark	Date of Receipt in Lab	Date of Test	Wt of Sample in Kg	Area of Mouth cm^2	Load at Initial Cracking Ton/KN	Maximum Load in Ton/KN	Crushing Strength Kg/cm^2	Average Crushing Strength	Required Strength in Kg/cm^2	P
1.	26-10-19 pavement		PCI road	M-30	T ₁	23-11-19	25-11-19	-	225	-	65.5	308.8	307.3	306.8	M-30
2.	"	"	"	"	T ₂	"	"	-	225	-	65.0	306.6	307.3	306.6	
3.	"	"	"	"	T ₃	"	"	-	225	-	65.0	306.6	307.3	306.6	

COPY FORWARDED TO:

CHIEF ENGINEER/C.E./S.D.A. W.D. SINGH PATNA
S.E.R.W.D. ADVANCE PLANNING PATNA
S.E.R.W.D. WORKS DIVISION Kishanganj-2
S.E.R.W.D. WORKS DIVISION Kishanganj-2

25/11/19

REGIONAL LABORATORY, PURNEA

REGIONAL LABORATORY, PURNEA