

Madhuban Basaha Paschim Ke Gram
Nankarpur ke Dholi Ghat par Puri Nirmal
Layya

Schedule XLV-Form No. 134

NABARD

ग्रामपाली विभाग काम प्रभास

DIVISION

ग्रामपाली विभाग काम अवधारणा शास्त्र

SUB-DIVISION

MEASUREMENT BOOK

No. 2326

Ajay Kumar Mandal

Sch. XLV - Form No. 134

ग्रामीण कार्य विभाग, कार्यपाल पुरी DIVISION

कार्य अवृत्त प्रमंडल बाजपटी SUB-DIVISION

Measurement Book

No. 2326

Name of Officer श्री रामकृष्ण सत्याधी
सदाचार ग्रामीण अवृत्त प्रमंडल बाजपटी

Date of first entry _____

Date of last entry _____

Record measurement
for 1st on A/C Bill

1

Name of Work- Const. of 4-L R.C.C. Bridge near
 Situation of Work- Farm of Dhabighat at village
 Agency by which work is executed- Narharpur under
 Date of Measurement- western madhuban Basaha
 No. and date of agreement panchayat, Basaha
 (These four lines should be repeated at the commencement block
 of the measurement relating to each work)

| Particulars | Details of actual measurement | | | | Contents of area |
|---|-------------------------------|----|----|----|---------------------|
| | No. | L. | B. | D. | |
| 1/1/Agency- ASAY KUNAR mandal | | | | | |
| Agreement No- 07 (SBD) /20-21 | | | | | |
| Below - 10% | | | | | |
| Dt. of Start - 06/05/2020 | | | | | |
| Dt. of Comp. - 05/05/2021 | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| (1/3) providing and constructing temporary T. Land of | | | | | |
| | | | | | |
| | | | | | |
| 1 x 1 Nos —————— 1 = 1 Nos | | | | | |
| | | | | | |
| | | | | | |
| (2/9) S/I/F and placing un-coated Hysd bar reinforcement | | | | | |
| in Foundation..... | | | | | |
| * Abutment Pile - A1 (P1) | | | | | |
| → Including wastage & cladding. | | | | | |
| → vertical main bars - 25mm dia | | | | | |
| 25 Nos x 20.6325m | | | | | |
| = 515.812m @ 3.86 kg/m = 1991.034 kg | | | | | |
| → Ring - 10 mm dia. | | | | | |
| 114 Nos x 3.673 m | | | | | |
| = 418.722m @ 0.62 kg/m = 259.607 kg | | | | | |
| | | | | | |

Continuation

Sch. XLV-Form No. 134

| Particulars | Details of actual measurement | | | | Contents of area |
|------------------------------|-------------------------------|----------|--------------|--------------|---------------------|
| | No. | L. | B. | D. | |
| | 13. f | | r = 22.5 | 0. 641 m | |
| → Holding Straps - 16 mm dia | | | | | |
| | 12 Nos x | 3.636 m | | | |
| | = | 43.233 m | 21.58 kg/m = | 68.940 kg | |
| | | | | 23 19.581 kg | |
| | | | | 23 19 mT | |
| | | | | | |
| | | | | | |

(3/8) providing steel liner 6 mm

thick for sealing of

+ Abutment pile - A₁ (P₁)

$$1 \times 3.73 m \times 1.0 m$$

$$= 3.73 m^2 \times 41.10 \text{ kg/m}^2 = 153.502 \text{ kg}$$

$$\approx 0.177 \text{ mT}$$

(4/4) Boxed cast in site M₃₅

grade R.C.C pile excluding

+ Abutment pile - A₁ (P₁)

$$1 \times 17.0 m \quad r = 17.0 m$$

$$17.0 m$$

(5/9) SIA and placing un-coated

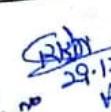
HSSD bar reinforcement

in foundation.

+ Abutment pile - A₁ (P₂)

Including wastage & lapping

→ vertical main bar - 25 mm dia

 
 29-12-2020 29-12-2020 Continuation
 AB

JE

Sch. XLV-Form No. 134

| Particulars | Details of actual measurement | | | | Contents of area |
|--|-------------------------------|------------------|--|-------|------------------------------------|
| | No. | L. | B. | D. | |
| | | 2 | 5 NPS X 20.6325m | | |
| | | = | 515.812m @ 3.8614g/m = | | 1991.034kg |
| • Outer Ring - 10mm dia | | | | | |
| | | 114 NPS X 3.673m | | | |
| | | = | 418.722m @ 0.62kg/m = | | 259.607kg |
| • Holding Stirrups - 16 mm dia | | | | | |
| | | 12 NPS X 3.6361m | | | |
| | | = | 43.633m @ 1.58kg/m = | | 68.940kg |
| | | | | | 319.581kg |
| | | | | | $\boxed{\approx 319 \text{ mT}}$ |
| (6/4) providing steel cinder arm thick for skinning | | | | | |
| | | 1 X 3.37m X 1.0m | | | |
| | | = | 3.37m ² @ 47.10 kg/m ² = | | 177.567kg |
| | | | | | $\boxed{\approx 0.177 \text{ mT}}$ |
| (7/4) Boxed cast iron 2.35 | | | | | |
| grade A.C.C pile | | | | | |
| • Abutment pile - A1(P2) | | | | | |
| | | 1 X 17.0m | = | 17.0m | |
| | | | | | 17.0m. |
| (8/4) SIA and placing un-coated | | | | | |
| HSS bar reinforcement | | | | | |
| in foundation | | | | | |
| • Abutment pile - A1(P2) | | | | | |

Continuation

Sch. XLV-Form No. 134

| Particulars | Details of actual measurement | | | | Contents of area | |
|--|-------------------------------|----------------------------|----|----|--|--|
| | No. | L. | B. | D. | | |
| <u>Including weightage & Dabbing</u> | | | | | | |
| <u>→ Vertical main bar - 8 mm dia</u> | | | | | | |
| | | 25 Nos X 20.6325 m | | | | |
| | | = 515.812 m @ 3.86 kg/m = | | | 1991.034 kg | |
| <u>→ Outer ring - 10 mm dia</u> | | | | | | |
| | | 114 Nos X 3.673 m | | | | |
| | | = 418.722 m @ 0.621 kg/m = | | | 259.607 kg | |
| <u>→ Holding Straps - 16 mm dia</u> | | | | | | |
| | | 12 Nos X 3.6361 m | | | | |
| | | = 43.633 m @ 1.58 kg/m = | | | 68.940 kg | |
| | | | | | 239.581 kg | |
| | | | | | <u>$\approx 2.319 \text{ mT}$</u> | |

(e) Providing steel liner

6 mm thick for Steinining* Abutment pile - A1 (P3) $1 \times 3.77 \text{ m} \times 1.0 \text{ m}$ = 3.77 m² @ 47.10 kg/m² = 177.567 kg $\approx 0.177 \text{ mT}$

(f) Bored cast in situ m-35

grade 2 c.c. pile excluding* Abutment pile - A1 (P3) $1 \times 17.0 \text{ m} = 17.0 \text{ m}$ 17.0 m

*for
frame
2.1.2T
AB*

Continuation

| Particulars | Details of actual measurement | | | | Contents of area |
|--|-------------------------------|----|----|----|---------------------|
| | No. | L. | B. | D. | |
| (1/2) <u>SIF and placing un-coated HYSD bar reinforcement in foundation.</u> | | | | | |
| - Abutment pile - A1 (P4) | | | | | |
| including wastage & lapping | | | | | |
| → Vertical main 50x25 mm dia | | | | | |
| 25 NB x 0.6325 m | | | | | |
| = 515.812 m @ 3.86 kg/m = 1991.034 kg | | | | | |
| → Outer Ring - 10 mm dia | | | | | |
| 114 NB x 3.673 m | | | | | |
| = 418.722 m @ 0.62 kg/m = 259.607 kg | | | | | |
| → Holding S100UPA - 16 mm dia | | | | | |
| 12 NB x 3.636 m | | | | | |
| = 43.633 m @ 1.58 kg/m = 68.940 kg | | | | | |
| 2319.581 kg | | | | | |
| ≈ 2.319 mt | | | | | |
| (2/2) <u>providing steel liner 6 mm thick for sloping of...</u> | | | | | |
| - Abutment pile - A1 (P4) | | | | | |
| 1 x 3.77 m x 1.0 m | | | | | |
| = 3.77 m ² @ 47.10 kg/m ² = 177.567 kg | | | | | |
| ≈ 0.177 mt | | | | | |

Continuation

| Particulars | Details of actual measurement | | | | Contents of area |
|--|-------------------------------|----|----|----|---------------------|
| | No. | L. | B. | D. | |
| (13/0) Boxed cast in situ | | | | | |
| m. 35 grade A.C.C. pile | | | | | |
| Abutment pile - A1 (PS) | | | | | |
| $1 \times 17.0 \text{ m} = 17.0 \text{ m}$ | | | | | |
| 17.0 m | | | | | |
| 5.72m | | | | | |
| 5.72m | | | | | |
| 5.72m | | | | | |
| (14/0) S.F. and placing un-coated | | | | | |
| Held bar reinforcement | | | | | |
| in foundation ... | | | | | |
| Abutment pile - A1 (PS) | | | | | |
| Including washer flange | | | | | |
| → vertical mass $114 \text{ m} \times 25 \text{ mm dia}$ | | | | | |
| $25 \text{ N/mm}^2 \times 20.6325 \text{ m}$ | | | | | |
| $= 515.812 \text{ m} @ 3.86 \text{ kg/m} = 1991.034 \text{ kg}$ | | | | | |
| → outer ring - 16 mm dia | | | | | |
| $114 \text{ m} \times 3.673 \text{ m}$ | | | | | |
| $= 418.728 \text{ m} @ 0.62 \text{ kg/m} = 259.607 \text{ kg}$ | | | | | |
| → holding stirrups - 16 mm Dia | | | | | |
| $12.14 \text{ m} \times 3.636 \text{ m}$ | | | | | |
| $= 43.633 \text{ m} @ 1.58 \text{ kg/m} = 68.940 \text{ kg}$ | | | | | |
| $\approx 319.581 \text{ kg}$ | | | | | |
| $\approx 2.313 \text{ mt}$ | | | | | |
| (15/0) Providing steel linter 6mm thick for slanting of | | | | | |
| $1 \times 3.73 \text{ m} \times 1.0 \text{ mm}$ | | | | | |
| $= 3.73 \text{ m}^2 @ 47.10 \text{ kg/m}^2 = 177.567 \text{ kg}$ | | | | | |
| $\approx 0.177 \text{ mt}$ | | | | | |

Continuation

| Particulars | Details of actual measurement | | | | Contents of area |
|-----------------------------------|-------------------------------|----|----|----|---------------------|
| | No. | L. | B. | D. | |
| (16/4) Dressed cast in situ m2.35 | | | | | |
| grade R.C.C pile | | | | | |
| + Abutment pile - A1(P5) | | | | | |
| 1 x 17.0m | | | | | 17.0m |
| | | | | | 17.0m. |
| | | | | | |
| | | | | | |

(17/9) S/G and placing un-coated

14# bar reinforcement

in foundation.

+ Abutment pile - A1(P6)

Including wastage & lapping

vertical rods - 16 nos - 25 mm dia

25 Nos x 20.6325m

$$= 515.812 \text{ m} @ 3.86 \text{ kg/m} = 1991.034 \text{ kg}$$

Outer Ring - 10m dia

114 Nos x 3.673m

$$= 418.722 \text{ m} @ 0.62 \text{ kg/m} = 259.602 \text{ kg}$$

Holding Stirrups - 16 mm dia

12 Nos x 3.6361 m

$$= 43.633 \text{ m} @ 1.58 \text{ kg/m} = 68.940 \text{ kg}$$

$$\approx 19.581 \text{ kg}$$

$$\approx 2.319 \text{ mt}$$

(17/8) providing Steel liner 6m

thick for sloping of

1 x 3.77 m x 1.0 m

$$= 3.77 \text{ m}^2 @ 47.1014 \text{ kg/m}^2 = 177.567 \text{ kg}$$

$$\approx 0.177 \text{ mt}$$

Continuation

| Particulars | Details of actual measurement | | | | Contents of area |
|--|--|----|----|--------------|---------------------|
| | No. | L. | B. | D. | |
| (18/4) Boxed cast in situ m.35 | | | | | |
| grade all pile | | | | | |
| * Abutment pile - A1 (P6) | | | | | |
| | 1 x 17.0 m | | | 1 = 17.0 m | |
| | | | | 17.0 m. | |
| | <i>Outer dia 8.125 mm Inner dia 8.125 mm Pile 8.125 mm</i> | | | | |
| (19/4) S/I & and placing up. 100 | | | | | |
| fed HSSD bar reinforce- | | | | | |
| ment in foundation --- | | | | | |
| * Abutment pile - A1 (P7) | | | | | |
| Including waste & dubbing | | | | | |
| → vertical main bar - 25 mm dia | | | | | |
| 25 Nos x 20.6325 m | | | | | |
| = 515.812 m @ 3.86 kg/m = 1991.034 kg | | | | | |
| → outer ring - 10 mm dia | | | | | |
| 114 Nos x 3.673 m | | | | | |
| = 418.722 m @ 0.621 kg/m = 259.607 kg | | | | | |
| • Holding stirrups - 16 mm dia | | | | | |
| 12 Nos x 3.6361 m | | | | | |
| = 43.633 m @ 1.58 kg/m = 68.940 kg | | | | | |
| | | | | 2 319.581 kg | |
| | | | | ≈ 3.319 MT | |
| (20/4) Providing Steel liner 6mm | | | | | |
| thick for sloping of | | | | | |
| 1 x 3.77 m x 1.0 m | | | | | |
| = 3.77 m ² @ 47.1014 kg/m ² = 177.567 kg | | | | | |
| | | | | ≈ 0.177 MT | |

Continuation

| Particulars | Details of actual measurement | | | | Contents of area |
|--|-------------------------------|----|------------|----|---------------------|
| | No. | L. | B. | D. | |
| (61/4) Boxed cast iron side m ² s | | | | | |
| grade A/C C Pile | | | | | |
| * Abutment pile - A1 (P2) | | | | | |
| | 1 x 1.90m | | r = 1.30m | | |
| | | | 1.30m | | |
| (22/9) SIA and placing un-to- | | | | | |
| abut HBD bars reinforce- | | | | | |
| ment in foundation.... | | | | | |
| * Abutment pile - A1 (P2) | | | | | |
| Including wastage & overlapping | | | | | |
| vertical main bars 2.5 mm dia | | | | | |
| = 1.105 x 30.6325m | | | | | |
| = 515.812m @ 3.86 kg/m = 1991.034kg | | | | | |
| Dubay - Ring 16mm Dia | | | | | |
| 114 Nos x 3.673m | | | | | |
| = 418.722m @ 0.62 kg/m = 259.607kg | | | | | |
| Holding Stirrups 16mm dia | | | | | |
| 12 Nos x 3.636m | | | | | |
| = 43.633m @ 1.58 kg/m = 68.940kg | | | | | |
| | | | 2319.581kg | | |
| | | | ≈ 2.319MT | | |
| (23/8) providing steel Q100 6mm | | | | | |
| thick for sheathing of - | | | | | |
| 1 x 3.77m x 1.6m | | | | | |
| = 3.77m ² @ 47.10 kg/m ² = 177.567kg | | | | | |
| | | | ≈ 0.177MT | | |

Continuation

| Particulars | Details of actual measurement | | | | Contents of area |
|--|--|--|----|-------------------|---------------------|
| | No. | L. | B. | D. | |
| (24/4) Bored cast in situ 35 | | | | | |
| grade R.C.C pile | | | | | |
| + Abutment pile-A ₁ (P ₃) | | | | | |
| | 1 | x 17.0m | — | 1 = 17.0m | |
| | | | | 17.0m. | |
| | <i>Front</i> <i>Front</i> <i>"-1"</i> <i>SE</i> | <i>17.0m</i> <i>17.02m</i> <i>17.02m</i> | | | |
| (25/5) S/I & placing un-load | | | | | |
| ed HYSB bar reinforce- | | | | | |
| ment in foundation | | | | | |
| + Abutment pile-A ₁ (P ₃) | | | | | |
| Including westage & lapping | | | | | |
| vertical main bar - 25 mm dia | | | | | |
| * 25 Nos x 20.63x25m | | | | | |
| = 515.712m @ 3.86 kg/m = 1991.034kg | | | | | |
| outer Ring - 10mm dia | | | | | |
| 114 Nos x 3.673 | | | | | |
| = 418.722m @ 0.62 kg/m = 259.607kg | | | | | |
| Holding Stirrups - 16 mm dia | | | | | |
| 12 Nos x 3.6361m | | | | | |
| = 43.633m @ 1.58 kg/m = 68.940kg | | | | | |
| | | | | 2 319.581kg | |
| | | | | <i>≈ 2.319 mT</i> | |
| (26/6) providing steel liner 6mm | | | | | |
| thick for sloping of .. | | | | | |
| 1 x 3.77m x 1.0m | | | | | |
| = 3.77 m ² @ 47.10kg/m ² = 177.567kg | | | | | |
| | | | | <i>≈ 0.177 mT</i> | |

Continuation

| Particulars | Details of actual measurement | | | | Contents of area |
|--------------------------------|-------------------------------|--------|----|-----|---------------------|
| | No. | L. | B. | D. | |
| (27/4) Bored cast in situ pile | | | | | |
| grade R.C.C pile | | | | | |
| * Abutment pile - A1 (P1) | | | | | |
| | 1 | 17.0 m | | 1 = | 17.0 m |
| | | | | | 17.0 m |
| | | | | | |

(28/5) S.F and placing un-coated

Hys8 bar reinforcement

in foundation.

* Pier pile - P1 (P1)

Including web stiffening

vertical main bars @ 5 mm dia

1.2 m x 1.2 m x 3.573 m

$$= 171.45 \text{ m} @ 3.86 \text{ kg/m} = 1819.797 \text{ kg}$$

Outer Ring - 10 mm dia

$$134 \text{ Nos} \times 3.673 \text{ m}$$

$$= 492.182 \text{ m} @ 6.28 \text{ kg/m} = 305.152 \text{ kg}$$

Holding Stirrup - 16 mm dia

$$14 \text{ Nos} \times 3.636 \text{ m}$$

$$= 50.905 \text{ m} @ 1.58 \text{ kg/m} = 80.429 \text{ kg}$$

$$= 205.378 \text{ kg}$$

$$\boxed{\approx 2.205 \text{ mt}}$$

(29/6) providing steel liner 6 mm

thick for sealing off...

$$1 \times 3.77 \text{ m} \times 2.0 \text{ m}$$

$$= 7.54 \text{ m}^2 @ 47.10 \text{ kg/m}^2 = 355.134 \text{ kg}$$

$$\boxed{\approx 0.355 \text{ mt}}$$

Continuation

| Particulars | Details of actual measurement | | | | Contents of area |
|--------------------------------|-------------------------------|----|----|----|---------------------------|
| | No. | L. | B. | D. | |
| (3/4) Boxed cast in situ m. 25 | | | | | |
| Grade R.C.C pile | | | | | |
| + Pier pile - P. (P.) | | | | | |
| 1 X 80.0m | | | | | $r = \frac{80.0m}{20.0m}$ |
| | | | | | |
| | | | | | |

(3/5) SHS and placing un-coated

Hydro Bar reinforcement

in foundation

+ Pier pile - P. (P.)

Including wastage & tailoring
vertical main bar - 25 mm dia.

$$= 471.45 \text{ m} @ 3.86 \text{ kg/m} = 1819.797 \text{ kg}$$

Outer Ring - 10 mm dia

$$134 \text{ Nos} \times 3.673 \text{ m}$$

$$= 492.182 \text{ m} @ 0.62 \text{ kg/m} = 305.152 \text{ kg}$$

Holding Stirrups - 16 mm dia

$$14 \text{ Nos} \times 3.636 \text{ m}$$

$$= 50.905 \text{ m} @ 1.58 \text{ kg/m} = 80.429 \text{ kg}$$

$$= 205.378 \text{ kg}$$

$$= 2.205 \text{ MT}$$

(3/6) providing steel liner 6mm

thick for sleining of

$$1 \times 3.77 \text{ m} \times 2.0 \text{ m}$$

$$= 7.54 \text{ m}^2 @ 47.10 \text{ kg/m}^2 = 355.134 \text{ kg}$$

$$= 0.355 \text{ MT}$$

Continuation

| Particulars | Details of actual measurement | | | | Contents of area |
|--|--|-------|-------|------------------------|---------------------|
| | No. | L. | B. | D. | |
| (33/4) Bored cast in situ | | | | | |
| m-35 grade R.C.C pile | | | | | |
| * Pier pile - P ₁ (P ₂) | | | | | |
| | 1 X 20.0m | | | r = 20.0m | |
| | <i>Outer Radius</i> | | | 20.0m | |
| | 15.2m | 15.2m | 15.2m | 15.2m | |
| | JE | | | A2 | |
| (34/5) S/A and placing un-coated | | | | | |
| HSSB bar reinforcement | | | | | |
| in foundation. | | | | | |
| * Pier pile - P ₁ (P ₃) | | | | | |
| Including west face & balcony | | | | | |
| vertical areas | | | | | |
| | 20.105 X 23.5725 m | | | | |
| | = 471.45 m ² @ 3.86 kg/m = 1819.797 kg | | | | |
| Outer ring - 10mm dia | | | | | |
| | 134 NPS X 3.673 m | | | | |
| | = 492.182 m @ 0.621 kg/m = 305.152 kg | | | | |
| Holding Stirrup P.S - 16 mm dia | | | | | |
| | 14 NPS X 3.6361 m | | | | |
| | = 50.905 m @ 1.58 kg/m = 80.429 kg | | | | |
| | | | | 2205.378 kg | |
| | | | | = 2.205 m ² | |
| (35/6) providing steel liner 6mm | | | | | |
| thick for sealing of -- | | | | | |
| | 1 X 3.37 m X 2.0m | | | | |
| | = 7.54 m ² @ 47.10 kg/m ² = 355.134 kg | | | | |
| | | | | ≈ 0.355 m ² | |

Continuation

| Particulars | Details of actual measurement | | | | Contents of area |
|---|-------------------------------|----|----|----|---------------------|
| | No. | L. | B. | D. | |
| (36/4) Boxed cast in situ | | | | | |
| m-3.5 grade R.C.C. pile | | | | | |
| * Pier pile - P. ₁ (P ₄) | | | | | |
| 1 x 20.0 m | | | | | 20.0 m |
| | | | | | 20.0 m |
| | | | | | |
| (37/9) Slab and placing un-coated Hysa bar rein-cement in foundation. | | | | | |
| * Pier pile - P. ₁ (P ₄) | | | | | |
| Including surface & Dinking | | | | | |
| 20.0 m x 23.5 m x 25 m | | | | | |
| | | | | | |
| Outer Ring - 10 mm dia | | | | | |
| 134 Nos x 3.673 m | | | | | |
| = 492.182 m @ 0.62 kg/m = 305.152 kg | | | | | |
| Inner Ring Stirrups - 16 mm dia | | | | | |
| 14 Nos x 3.636 m | | | | | |
| = 50.905 m @ 1.58 kg/m = 80.429 kg | | | | | |
| | | | | | 80.429 kg |
| | | | | | |
| | | | | | ≈ 2.205 MT |
| | | | | | |
| (38/8) providing Steel liner 6 mm thick for Sleining of - | | | | | |
| * Pier pile - P. ₁ (P ₄) | | | | | |
| 1 x 3.77 m x 2.0 m | | | | | |
| = 7.54 m ² @ 47.10 kg/m = 355.134 kg | | | | | |
| | | | | | 355.134 kg |
| | | | | | |
| | | | | | ≈ 0.355 MT |

Continuation

| Particulars | Details of actual measurement | | | | Contents of area |
|--|-------------------------------|---|----|----|------------------------------------|
| | No. | L | B. | D. | |
| (3) Boxed cast in situ | | | | | |
| m-35 grade R-C-C pile | | | | | |
| * Pier pile - P. (P _s) | | | | | |
| 1 x 20.0 m | | | | | $\pi = 0.0 m$ |
| | | | | | $20.0 m$ |
| | | | | | |
| (4) S/I F and placing un-con | | | | | |
| 1ed HSSD bar reinforce- | | | | | |
| ment in foundation... | | | | | |
| * Pier pile - P. (P _s) | | | | | |
| Including wastage & cutting | | | | | |
| vertical main bars - 5 mm dia | | | | | |
| = 471.45 m @ 3.86 kg/m = 1819.757 kg | | | | | |
| Outer ring - 10 mm dia | | | | | |
| 134 Nos x 3.673 m | | | | | |
| = 492.182 m @ 0.62 kg/m = 305.152 kg | | | | | |
| Holding Stirrups - 16 mm dia | | | | | |
| 14 Nos x 3.6361 m | | | | | |
| = 50.905 m @ 1.58 kg/m = 80.429 kg | | | | | |
| | | | | | $\approx 205.378 \text{ kg}$ |
| | | | | | $\boxed{\approx 205 \text{ mt}}$ |
| | | | | | |
| (5) providing steel liner 6 mm | | | | | |
| thick for slimming of... | | | | | |
| 1 x 3.33 m x 2.0 m | | | | | |
| = 7.54 m ² @ 47.10 kg/m ² = 355.134 kg | | | | | |
| | | | | | $\boxed{\approx 0.355 \text{ mt}}$ |
| | | | | | |
| Continuation | | | | | |

| Particulars | Details of actual measurement | | | | Contents of area |
|--|-------------------------------|----|----|----|----------------------------|
| | No. | L. | B. | D. | |
| (42/4) Bored cast in situ m35 | | | | | |
| grade A.C.C pile | | | | | |
| + Pier pile - P ₁ (P ₅) | | | | | |
| 1 x 20.0 m | | | | | P = 20.0 m |
| | | | | | 20.0 m |
| | | | | | |
| (43/5) S.I.F and placing un-loaded | | | | | |
| H.M.S bar reinforcement | | | | | |
| in foundation | | | | | |
| + Pier pile - P ₁ (P ₆) | | | | | |
| Including wastage 1.0% by | | | | | |
| 90 Nos x 23.5225 m | | | | | |
| 134 Nos x 3.673 m | | | | | |
| - 492.182 m @ 0.62 kg/m = 305.152 kg | | | | | |
| Holding Stirrups - 16 mm dia | | | | | |
| 14 Nos x 3.636 m | | | | | |
| - 50.905 m @ 1.58 kg/m = 80.429 kg | | | | | |
| 2 205.388 kg | | | | | |
| | | | | | $\approx 2.205 \text{ MT}$ |
| | | | | | |
| (44/6) providing Steel liner 6 mm | | | | | |
| thick for skinning --- | | | | | |
| 1 x 3.73 m x 2.0 m | | | | | |
| - 7.54 m ² @ 47.10 kg/m ² = 355.134 kg | | | | | |
| | | | | | $\approx 0.355 \text{ MT}$ |

Continuation

| Particulars | Details of actual measurement | | | | Contents of area |
|---|-------------------------------|----|----|----|----------------------------|
| | No. | L. | B. | D. | |
| (u/s) providing steel liner | | | | | |
| 8 mm thick for Sliding | | | | | |
| 1 x 3.00 m x 2.0 m | | | | | |
| = 2.4 m ² @ 42.14 kg/m ² = 100.572 kg | | | | | |
| (u/s) Boxed cast in situ | | | | | |
| m-35 grade R.C.C pile | | | | | |
| * Pier pile - P. (P.) | | | | | |
| 1 x 20.0 m | | | | | = 20.0 m |
| Outer dia 22.35 m Inner dia 22.12 m A.D. | | | | | 20.0 m |
| (u/s) S.I.F and placing un-coated | | | | | |
| (u/s) 5% extra reinforcement | | | | | |
| * Abutment Pile - A2 (P.) | | | | | |
| Including web stiffening | | | | | |
| vertical main bars - 25 mm dia | | | | | |
| 25 Nos x 20.6325 m | | | | | |
| = 515.812 m @ 3.86 kg/m = 1931.034 kg | | | | | |
| outer ring - 10 mm dia | | | | | |
| 114 Nos x 3.673 m | | | | | |
| = 418.322 m @ 0.62 kg/m = 259.607 kg | | | | | |
| Holding Stiffeners - 16 mm dia | | | | | |
| 18 Nos x 3.6361 m | | | | | |
| = 65.633 m @ 1.58 kg/m = 103.940 kg | | | | | |
| | | | | | = 319.581 kg |
| | | | | | $\sum Q = 319 \text{ M.T}$ |

Continuation

| Particulars | Details of actual measurement | | | | Contents of area |
|---|-------------------------------|----|----|----|---------------------|
| | No. | L. | B. | D. | |
| (48/8) providing steel liner for abutment pile. A ₂ (P ₁) | | | | | |
| thickness for cladding of | | | | | |
| abutment pile. A ₂ (P ₁) | | | | | |
| 1 X 3.77 m x 1.0 m | | | | | |
| = 3.77 m ² @ 47.10 kg/m ² | | | | | 179.577 kg |
| | | | | | ≈ 0.179 MT |

| | | | | | |
|--|--|--|--|--|----------|
| (48/4) Boxed cast iron stiffener grade acc. piles | | | | | |
| Abutment Pile. A ₂ (P ₁) | | | | | |
| 1 X 17.0 m | | | | | = 17.0 m |
| | | | | | 17.0 m. |

| | | | | | |
|---|--|--|--|--|------------|
| (49/9) SIA and placing un-loaded Held bar reinforcement in foundation | | | | | |
| Abutment Pile. A ₂ (P ₂) | | | | | |
| Including wastage & dubbing | | | | | |
| 2.5 m ² x 0.6325 m | | | | | |
| = 515.812 m @ 3.86 kg/m = 1991.024 kg | | | | | |
| Outer ring - 10 mm dia | | | | | |
| 114 Nos x 3.693 m | | | | | |
| = 418.722 m @ 0.62 kg/m = 255.607 kg | | | | | |
| Holding Stirrup - 16 mm dia | | | | | |
| 12 Nos x 3.636 m | | | | | |
| = 43.633 m @ 1.58 kg/m = 68.940 kg | | | | | |
| | | | | | ≈ 2.319 kg |
| | | | | | ≈ 2.319 MT |

Continuation

| Particulars | Details of actual measurement | | | | Contents of area |
|--|--|----|----|----|------------------------|
| | No. | L. | B. | D. | |
| (5/8) providing Steel liner 6mm thick for slanting of + Abutment pile A ₂ (P ₂) | | | | | |
| | 1 × 3.23 m × 1.0 m | | | | |
| | = 3.23 m ² @ 1.10 kg/m ² | | | | 177.567 kg |
| | <i>Soil friction 25.00 m 20.00 m 20.00 m A₂</i> | | | | ≈ 0.127 m ² |
| (5/6) Boxed cast in situ m ₃ | | | | | |
| | grade R.C.C pile | | | | |
| | + Abutment pile A ₂ (P ₂) | | | | |
| | 1 × 17.0 m | | | | 17.0 m |
| | | | | | 17.0 m |
| (5/6) S.I.F and plating un-coated HSS 2.50 reinforcement in foundation. | | | | | |
| | + Abutment pile - A ₂ (P ₃) | | | | |
| | Including wastage & lapping | | | | |
| | 25 m ² × 0.6325 m | | | | |
| | = 515.812 m ² @ 3.86 kg/m = | | | | 1991.034 kg |
| | outer ring - 10 mm dia | | | | |
| | 114 m ² × 3.633 m | | | | |
| | - 418.322 m ² @ 0.62 kg/m = | | | | 259.607 kg |
| | Holding Stirrup - 16 mm dia | | | | |
| | 12 m ² × 3.6361 m | | | | |
| | - 43.633 m ² @ 1.58 kg/m = | | | | 68.940 kg |
| | | | | | ≈ 319.581 kg |
| | | | | | ≈ 2.319 MT |

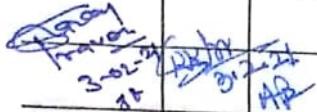
Continuation

| Particulars | Details of actual measurement | | | | Contents of area |
|---|-------------------------------|----|----|----|---------------------|
| | No. | L. | B. | D. | |
| (53/8) providing steel liner from | | | | | |
| thick for sealing of - | | | | | |
| * Abutment pile - A2 (P ₂) | | | | | |
| 1 X 3.77 m X 1.0 m | | | | | |
| = 3.77 m ² @ 47.10 kg/m ² = 177.587 kg | | | | | |
| | | | | | 1 = 0.177 MT |
| (54/4) Boxed cast in situ | | | | | |
| M-25 grade A.C.C pile | | | | | |
| * Abutment pile - A2 (P ₃) | | | | | |
| 1 X 17.0 m ————— r = 17.0 m | | | | | |
| | | | | | 17.0 m |
| (55/9) SIA and placing uncoated | | | | | |
| Hysp bar reinforcement | | | | | |
| in foundation. | | | | | |
| * Abutment pile - A2 (P ₄) | | | | | |
| Including wastage & cladding | | | | | |
| vertical main bars - 25 mm dia | | | | | |
| 25 x 101 x 20.6325 m | | | | | |
| = 515.812 m ² @ 3.86 kg/m ² = 1991.034 kg | | | | | |
| Outer Ring - 10 mm dia | | | | | |
| 114 Nos x 3.673 m | | | | | |
| = 418.722 m ² @ 0.67 kg/m ² = 259.603 kg | | | | | |
| Holding Stirrups - 6 mm dia | | | | | |
| 12 Nos x 3.636 m | | | | | |
| = 43.633 m ² @ 1.58 kg/m ² = 68.940 kg | | | | | |
| | | | | | 2319.581 kg |
| Continuation | | | | | 1 = 2.319 MT |

| Particulars | Details of actual measurement | | | | Contents of area |
|---|-------------------------------|----|----|----|----------------------------|
| | No. | L. | B. | D. | |
| (58/8) providing steel liners | | | | | |
| 6 mm thick for - | | | | | |
| * Abutment pile - A2 (P4) | | | | | |
| 1 X 3.33 m X 1.0 m | | | | | |
| = 3.33 m ² @ 2.10 kg/m ² = 123.562 kg | | | | | |
| | | | | | $\approx 0.173 \text{ mT}$ |
| (58/4) Bored cast in situ m35 | | | | | |
| grade R.C.C. Pile | | | | | |
| * Abutment pile - A2 (P4) | | | | | |
| 1 X 17.0 m $\leftarrow r = 17.0 \text{ m}$ | | | | | |
| (58/9) S.I.F and placing un-coated | | | | | |
| Hydro bars reinforcement | | | | | |
| in foundation | | | | | |
| * Abutment pile - A2 (P5) | | | | | |
| including weyse L cladding | | | | | |
| vertical main bar - 25 mm dia | | | | | |
| 25 mm X 20.6325 m | | | | | |
| = 515.812 m @ 3.86 kg/m = 1991.034 kg | | | | | |
| Outer ring - 10 mm dia | | | | | |
| 114 mm X 3.673 m | | | | | |
| = 418.722 m @ 0.62 kg/m = 259.607 kg | | | | | |
| * Holding stirrups - 16 mm dia | | | | | |
| 12 mm X 3.6361 m | | | | | |
| = 43.633 m @ 1.58 kg/m = 68.940 kg | | | | | |

Continuation

$$\begin{aligned} & \swarrow 319.581 \text{ kg} \\ & \approx 2.319 \text{ mT} \end{aligned}$$

| Particulars | Details of actual measurement | | | | Contents of area |
|--|---|----|----|----|---------------------|
| | No. | L. | B. | D. | |
| (59/8) Providing steel liner 6 mm thick for sloping of ... | | | | | |
| * Abutment pile-A2 (P5) | | | | | |
| | 1 X 3.33m X 1.0m | | | | |
| | = 3.33 m ² @ 47.10 kg/m ² = 173.52 kg | | | | |
| |  | | | | = 0.173 MT |
| (60/4) Bored cast-in-situ 2.35 | | | | | |
| grade R.C.C.Pile | | | | | |
| * Abutment pile-A2 (P5) | | | | | |
| | 1 X 17.0m | | | | |
| | = 17.0m | | | | |
| (61/9) Slf and placing uncoated | | | | | |
| Held bar reinforcement | | | | | |
| in foundation ... | | | | | |
| * Abutment pile-A2 (P6) | | | | | |
| vertical main bar - 2.5 mm dia | | | | | |
| | 25 Nos X 8.06325 m | | | | |
| | = 515.812 m @ 386 kg/m = 1991.034 kg | | | | |
| Ring - 10 mm dia | | | | | |
| | 114 Nos X 3.673 m | | | | |
| | = 418.902 m @ 0.625 kg/m = 259.602 kg | | | | |
| Holding shooip - 16 mm dia | | | | | |
| | 12 Nos X 3.6361 m | | | | |
| | = 43.633 m @ 1.58 kg/m = 68.940 kg | | | | |
| | | | | | = 319.581 kg |
| | | | | | <u>= 2.319 MT</u> |

Continuation

| Particulars | Details of actual measurement | | | | Contents of area |
|---|-------------------------------|---|-----|-------------|----------------------------------|
| | No. | L. | B. | D. | |
| (62/8) Providing steel bars 6 mm thick for slanting of - | | | | | |
| - Abutment pile - A ₂ (P ₂) | | | | | |
| | 1 X | 3.33m X 1.0 m | | | |
| | = | 3.33 m ² @ 47.10 kg/m ² | = | 177.567 kg | |
| | | | | | $\therefore 0.177 \text{ MT}$ |
| (63/4) Bored cast in situ m ₃₅ | | | | | |
| - grade R.C.C pile | | | | | |
| - Abutment pile - A ₂ (P ₂) | | | | | |
| | 1 X 17.0 m | - | 1 = | 17.0 m | |
| | | | | | 17.0 m. |
| (64/9) S.I.F and placing uncoated HSSD bars reinforcement in foundation - | | | | | |
| - Abutment pile - A ₂ (P ₂) | | | | | |
| Including wastage & lapping | | | | | |
| | 2.5 Nos X 20.6325 m | | | | |
| | = | 515.812 m @ 3.86 kg/m | = | 1991.034 kg | |
| Ring - 10 mm Dia | | | | | |
| | 11 Nos X 3.633 m | | | | |
| | = | 418.322 m @ 0.62 kg/m | = | 259.607 kg | |
| Holding S.H.S bars - 16 mm dia | | | | | |
| | 12 Nos X 3.636 m | | | | |
| | = | 43.633 m @ 1.58 kg/m | = | 68.940 kg | |
| | | | | | $\therefore 2319.581 \text{ kg}$ |
| | | | | | $\therefore 2.319 \text{ MT}$ |

Continuation

| Particulars | Details of actual measurement | | | | Contents of area |
|---|-------------------------------|----|----|----|------------------------------|
| | No. | L. | B. | D. | |
| (65/8) providing Steel liner | | | | | |
| 6 mm thick | | | | | |
| * Abutment pile - A2 (P7) | | | | | |
| 1 X 3.33m X 1.0m | | | | | |
| = 3.33 m ² @ 47.104 kg/m ² = 177.563 kg | | | | | |
| | | | | | $\approx 0.177 \text{ MT}$ |
| (66/4) Bored cast in situ | | | | | |
| m-35 grade R.C.C pile | | | | | |
| * Abutment pile - A2 (P7) | | | | | |
| 1 X 17.0m ————— r = 17.0m | | | | | |
| | | | | | 17.0m |
| (67/3) S/F and placing un-coated | | | | | |
| HSS reinforcement | | | | | |
| in foundation | | | | | |
| * Abutment pile - A2 - (P8) | | | | | |
| Including wastage & lapping | | | | | |
| 25 Nos X 20.6325m | | | | | |
| = 515.812m @ 3.86 kg/m = 1991.034 kg | | | | | |
| Ring - 10mm dia | | | | | |
| 114 Nos X 3.673m | | | | | |
| = 418.722m @ 0.62 kg/m = 259.607 kg | | | | | |
| Holding Shimmy P- 16 mm dia | | | | | |
| 12 Nos X 3.6361m | | | | | |
| = 43.633m @ 1.58 kg/m = 68.940 kg | | | | | |
| | | | | | $\approx 319.581 \text{ kg}$ |
| | | | | | $\approx 2.319 \text{ MT}$ |

Continuation

| Particulars | Details of actual measurement | | | | Contents of area |
|--|--|------------|----|----|------------------------------|
| | No. | L. | B. | D. | |
| (68/8) Providing steel liner 6mm thick for Slewing - | | | | | |
| x Abutment pile- A2 (P8) | | | | | |
| | 1 X 3.33m X 1.0m | | | | |
| | = 3.33m ² @ 47.10 kg/m ² | 177.587kg | | | |
| <i>Ans Pile 6x2.27 18 (A2) 6x2.27 HR</i> | | | | | $\boxed{= 0.177 \text{ MT}}$ |
| (69/9) Bored cast in situ m235 | | | | | |
| grade R.C.C pile | | | | | |
| x Abutment pile- A2 (P8) | | | | | |
| | 1 X 17.0m — r = 17.0m | | | | |
| | | 17.0m | | | |
| (70/10) SIE and plating uncoated | | | | | |
| Hypothetical reinforcement | | | | | |
| in foundation | | | | | |
| x Abutment pile- A2 (P8) | | | | | |
| Including wastage & Clipping | | | | | |
| vertical main bar-25 mm dia | | | | | |
| | 8.5 N.Y.X 30.632 m | | | | |
| | = 515.812m @ 3.86 kg/m | 1991.034kg | | | |
| Ring -10 mm dia | | | | | |
| | 114 N.Y.X 3.633 m | | | | |
| | = 418.702m @ 0.62 kg/m | 259.603kg | | | |
| Holding Strutury - 16 mm dia | | | | | |
| | 12.0m X 3.636 m | | | | |
| | = 43.633m @ 1.58 kg/m | 68.940kg | | | |
| | | 2319.581kg | | | |
| Continuation | | | | | $\boxed{= 2.319 \text{ MT}}$ |

| Particulars | Details of actual measurement | | | | Contents of area |
|---|--|--------------|----------|----|---------------------|
| | No. | L. | B. | D. | |
| (+7/8) Providing steel liner 6m thick for sheathing | | | | | |
| Abutment pile-A ₂ (P ₉) | | | | | |
| | 1 × 3.73m × 1.0 m | | | | |
| | = 3.73 m ² @ 47.10 kg/m ² = 177.567 kg | | | | |
| | | 1 ≈ 0.177 mT | | | |
| (72) 4) Boxed cast iron Siemens grade A/C pile | | | | | |
| Abutment pile-A ₂ (P ₉) | | | | | |
| | 1 × 17.0 m | | ≈ 17.0 m | | |
| | | | 17.0 m | | |
| Surveyor: _____ Date: 10-02-01 (R.H.D) JG +0.2.21 AB. | | | | | |

| Particulars | Details of actual measurement | | | | Contents of area |
|---|-------------------------------|----|----|----|---------------------|
| | No. | L. | B. | D. | |
| Abs tract of cast | | | | | |
| For 1st on A/C bill | | | | | |
| Ref- ville Tm 15 p. 01 to 26 | | | | | |
| Dt of Entry - | | | | | |
| (1/3) providing and constructing temporary Island | | | | | |
| City wide Tm 15 p. 01 | | | | | |
| 1 Nos @ 291671=84 = 291672=0 | | | | | |
| (2/4) Boxed cast in situ m/s | | | | | |
| grade R.C.C pile | | | | | |
| 17.0m city wide Tm 15 p. 3 | | | | | |
| 17.0m city wide Tm 15 p. 4 | | | | | |
| 17.0m city wide Tm 15 p. 6 | | | | | |
| 17.0m city wide Tm 15 p. 7 | | | | | |
| 17.0m city wide Tm 15 p. 8 | | | | | |
| 17.0m city wide Tm 15 p. 9 | | | | | |
| 17.0m city wide Tm 15 p. 10 | | | | | |
| 17.0m city wide Tm 15 p. 11 | | | | | |
| 20.0m city wide Tm 15 p. 12 | | | | | |
| 20.0m city wide Tm 15 p. 13 | | | | | |
| 20.0m city wide Tm 15 p. 14 | | | | | |
| 20.0m city wide Tm 15 p. 15 | | | | | |
| 20.0m city wide Tm 15 p. 16 | | | | | |
| 20.0m city wide Tm 15 p. 17 | | | | | |

291672=0

Continuation

| Particulars | Details of actual measurement | | | | Contents of area |
|------------------------|-------------------------------|-----|----|---------------|------------------------|
| | No. | L. | B. | D. | |
| 17.0m dry side TMSP | | 8.4 | 1 | 18 | 2916.72 m ² |
| 17.0m dry side TMSP | | 19 | | | |
| 17.0m dry side TMSP | | 20 | | | |
| 17.0m dry side TMSP | | 21 | | | |
| 17.0m dry side TMSP | | 22 | | | |
| 17.0m dry side TMSP | | 23 | | | |
| 17.0m dry side TMSP | | 24 | | | |
| 17.0m dry side TMSP | | 25 | | | |
| 17.0m dry side TMSP | | 26 | | | |
| 426.0m @ 17.248 = 69/m | | 1 | = | 7347.942 = 60 | |

(3/4) Providing steel liner

| | | |
|------------------------------------|----|----|
| 0.177 m ² dry side TMSP | 1 | 8 |
| 0.177 m ² dry side TMSP | 2 | 3 |
| 0.177 m ² dry side TMSP | 3 | 4 |
| 0.177 m ² dry side TMSP | 4 | 5 |
| 0.177 m ² dry side TMSP | 5 | 6 |
| 0.177 m ² dry side TMSP | 6 | 7 |
| 0.177 m ² dry side TMSP | 7 | 8 |
| 0.177 m ² dry side TMSP | 8 | 9 |
| 0.177 m ² dry side TMSP | 9 | 10 |
| 0.355 m ² dry side TMSP | 10 | 11 |
| 0.355 m ² dry side TMSP | 11 | 12 |
| 0.355 m ² dry side TMSP | 12 | 13 |
| 0.355 m ² dry side TMSP | 13 | 14 |
| 0.355 m ² dry side TMSP | 14 | 15 |
| 0.355 m ² dry side TMSP | 15 | 16 |

Continuation

of 76.39.614 m²

| Particulars | Details of actual measurement | | | | Contents of area |
|----------------------|-------------------------------|----|--------|----|---------------------|
| | No. | L. | B. | D. | |
| | | | | | 6.6 → 76.39 600= |
| 0.122 m ² | dry side road | 18 | | | |
| 0.122 m ² | dry side road | 19 | | | |
| 0.122 m ² | city side road | 20 | | | |
| 0.122 m ² | dry side road | 21 | | | |
| 0.122 m ² | dry side road | 22 | | | |
| 0.122 m ² | dry side road | 23 | | | |
| 0.122 m ² | city side road | 24 | | | |
| 0.122 m ² | dry side road | 25 | | | |
| 0.122 m ² | dry side road | 26 | | | |
| 5.316 m ² | @ 882880 = 16/m ² | = | 469312 | | |
| | | | | | |
| | | | | | |

Hyd. load reinforcement
in foundation.

| | | |
|----------------------|----------------|----|
| 2.319 m ² | dry side road | 2 |
| 2.319 m ² | city side road | 3 |
| 2.319 m ² | dry side road | 4 |
| 2.319 m ² | city side road | 5 |
| 2.319 m ² | city side road | 6 |
| 2.319 m ² | city side road | 7 |
| 2.319 m ² | city side road | 8 |
| 2.319 m ² | dry side road | 9 |
| 2.319 m ² | dry side road | 10 |
| 2.205 m ² | city side road | 11 |
| 2.205 m ² | city side road | 12 |
| 2.205 m ² | dry side road | 13 |

f 81,08,233 =

Continuation

Sch. XLV-Form No. 134

| Particulars | Details of actual measurement | | | | Contents of area |
|---|-------------------------------|-----------|--------|---------------|------------------|
| | No. | L. | B. | D. | |
| | | B. C | | P 81.08.933 | |
| 2. 205 m ² city side TMBP- 14 | | | | | |
| 2. 205 m ² city side TMBP- 15 | | | | | |
| 2. 205 m ² city side TMBP- 16 | | | | | |
| 2. 319 m ² city side TMBP- 12 | | | | | |
| 2. 319 m ² city side TMBP- 18 | | | | | |
| 2. 319 m ² city side TMBP- 19 | | | | | |
| 2. 319 m ² city side TMBP- 20 | | | | | |
| 2. 319 m ² city side TMBP- 21 | | | | | |
| 2. 319 m ² city side TMBP- 22 | | | | | |
| 2. 319 m ² city side TMBP- 23 | | | | | |
| 2. 319 m ² city side TMBP- 24 | | | | | |
| 2. 319 m ² city side TMBP- 25 | | | | | |
| 54.972 m ² @ 76952 = 83 / m ² = 4230251 | | | | | |
| i) less 10 % below as per | 1 | 12.3 | 39.184 | | |
| Agreement | | | | 1,110.5266 | to |
| <i>Farey 10-21 35</i> | <i>(B) P 10.2.21</i> | <i>AB</i> | | | |
| material Statement | | | | <i>C.P.R</i> | |
| i) S / ch hbs - 433.67 m ³ | | | | | |
| ii) coarse sand - 216.83 m ³ | | | | | |
| <i>Farey 10-22 M ge</i> | | | | <i>216.83</i> | |

Continuation