
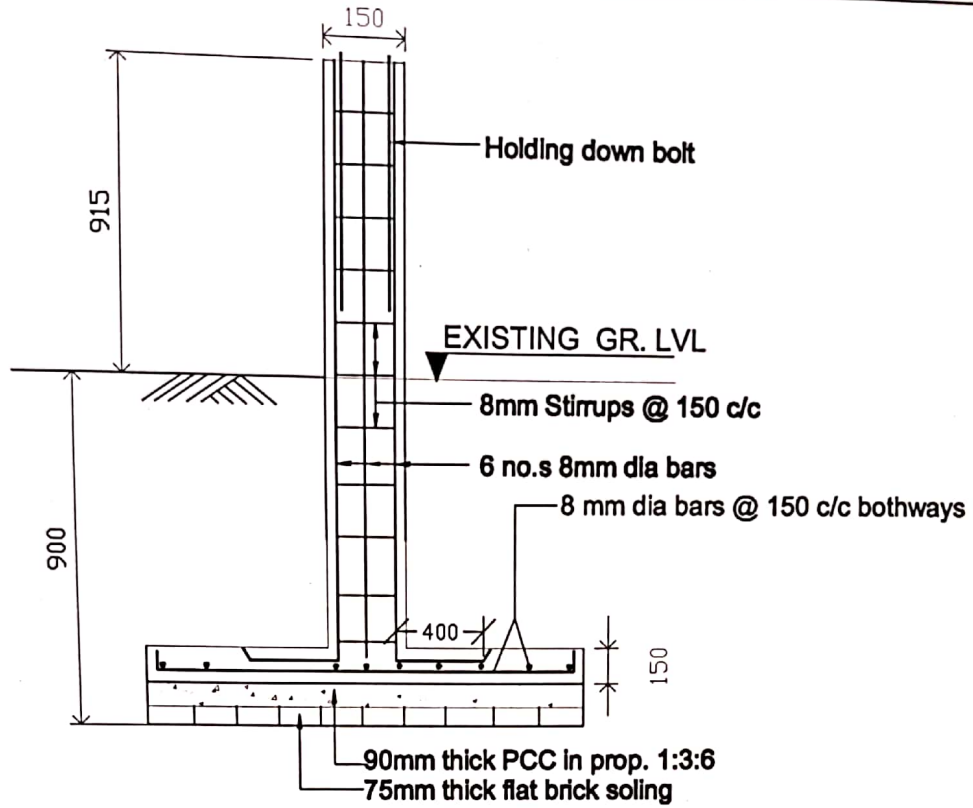


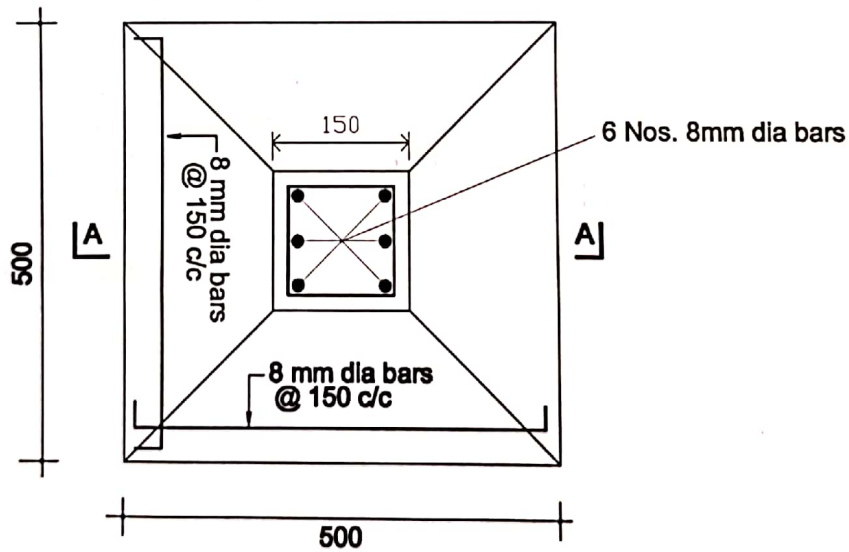
NOTES

- 1. All dimensions are in millimeters unless stated otherwise
- 2. Figured dimensions shall be followed and dimensions are not to be scaled

GOVT. OF ASSAM OFFICE OF THE CHIEF ENGINEER IRRIGATION DEPARTMENT, ASSAM	
MODEL DEEP TUBE WELL SCHEME	
PLAN FOR BASE PILLAR OF MODULE MOUNTING STRUCTURE	
DRAWN BY:	APPROVED BY:
CHCKD. BY:	 CHIEF ENGINEER MINOR IRRIGATION, CHANDMARI GUWAHATI-03




SECTION ON A-A



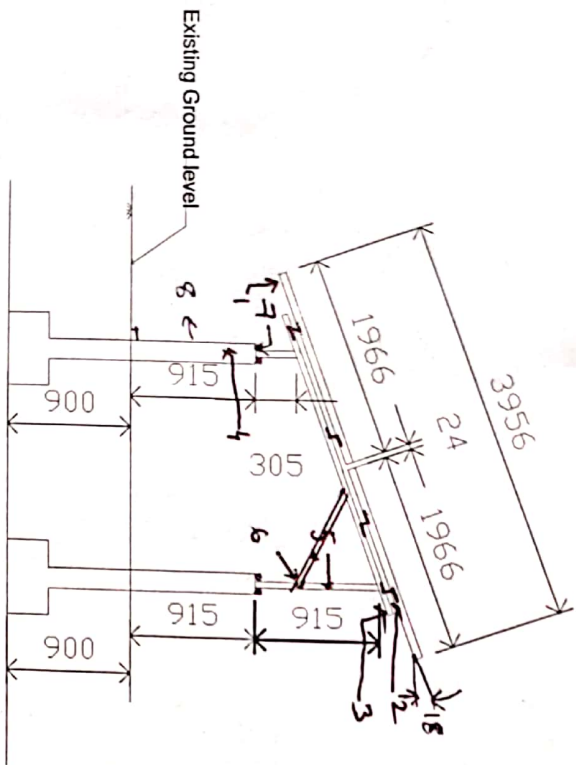
PLAN OF FOOTING

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PLAN AND SECTION FOR BASE PILLAR OF MODULE MOUNTING STRUCTURE	
DRAWN BY: CHCKD. BY:	APPROVED BY:  CHIEF ENGINEER MINOR IRRIGATION, CHANDMARI GUWAHATI-03

Annex-III



Side view of 7.5 HP Pump

NOTES

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Specification of the components

Sl No.	Description	Specification	Dimension	Quantity
1.	SPV Module	320W/ 72 cell	1960x982x40 mm	23 Nos
2.	Module Mounting Member	1/2 Profile 40x40x6 mm	2500 mm	24 Nos
3.	Cross Member	HS Angle 65x65x6 mm	3000 mm	7 Nos
4.	Front Leg	MS Angle	915 mm	7 Nos
5.	Back Leg	MS Angle	305 mm	7 Nos
6.	Tilting member	MS Angle 40x40x6 mm	1000 mm	7 Nos
7.	Base plate	MS 120x120x6		14 Nos
8.	Concrete	M20	1500x1500x15 mm	14 Nos

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 OFFICE OF THE CHIEF ENGINEER
 IRRIGATION DEPARTMENT, ASSAM

MODEL DEEP TUBE WELL SCHEME
 SIDE VIEW FOR BASE PILLAR OF MODULE MOUNTING
 STRUCTURE

DRAWN BY: _____
 CHECKD. BY: _____
 APPROVED BY: _____
 CHIEF ENGINEER
 MINOR IRRIGATION, CHANDMARI
 GUWAHATI-03

Estimate for base pillar for Solar Module Mounting Structure

(For one number pillar)

Item No. 1 : Earth work in excavation of foundation trenches including filling up sides of trenches and removal of spoils after completion of foundation , dressing, ramming, shoring etc. complete including bailing out water where necessary in ordinary soil.

$$1 \times 0.65 \times 0.65 \times 0.90 = 0.38 \text{ m}^3$$

@ Rs. 201.30 / m³ (As per SOR, CE(I) 2017-18) = Rs. 76.49

Item No. 2 : Soling in foundation in floor at all level septic tank etc. including filling interstices ramming etc. complete as directed and as specified thickness

(i) 9 cm brick on flat including sand packing.

$$1 \times 0.60 \times 0.60 = 0.36 \text{ m}^2$$

@ Rs. 502.08 / m² (As per SOR, CE(I) 2017-18) = Rs. 180.75

Item No. 3 : CC Work in proportion 1:3:6 in foundation /abutment/ pier/wing walls etc. with hard broken stone aggregate of size 13 to 38 mm including curing with necessary shuttering , Scaffolding etc. where necessary, complete as directed. (shuttering where necessary shall be measured and paid separately).

$$1 \times 0.60 \times 0.60 \times 0.08 = 0.03 \text{ m}^3$$

@ Rs. 6558.39 / m³ (As per SOR, CE(I) 2017-18) = Rs. 196.75

Item No. 4 : Supplying fitting fixing and laying reinforcement (TATA) in position in RCC work including cutting, bending, cranking with two piles 0.91 M (20 BWG) annealed wire hooking tying complete as directed.

Base								
8 mm	2	x	4	x	0.90	x	0.395	= 2.84 kg
Post								
8 mm	1	x	6	x	2.100	x	0.395	= 4.98 kg
	1	x	13	x	0.680	x	0.395	= 3.49 kg
								Total = 11.31 kg
								Say = 0.1131 Qntls
								Adding 5% lapping etc. = 0.01 Qntls
								Total = 0.12 Qntls

@ Rs. 8003.00 / Qntl (As per SOR, CE(I) 2017-18) = Rs. 960.36

Item No. 5 : Centering and shuttering including propping etc where necessary and removal of forms after completion of CC and RCC works as directed complete. (Measurement to be taken on the face area timbered).

(C) Shuttering (Column)

Base	4	x	0.50	x	0.15	= 0.30 m ²
Post	4	x	0.15	x	1.67	= 1.00 m ²
						Total = 1.30 m ²

@ Rs. 327.66 / m² (As per SOR, CE(I) 2017-18) = Rs. 425.96

Item No. 6 : C.C. in R.C.C. work as specified and directed and including curing etc. (reinforcement and shuttering to be measured and paid separately) the line aggregate shall be approved clear river sand of course variety and shall be 5 mm down wrk and not to be pass through a 25 IS sieve (width of apparatus is 0.25 mm) the course aggregate shall be cubical, hard perfectly clean and free from clay and adherents impurities and chemically inter broken stone chips of approved quantity and shall pass through 19 mm mesh without squeezing and be retained on 15 mm mesh. The fine and Crouse aggregate shall be well graded and evenly distributed between the limits and mixes shall be made with adequate quantity of clean water required to have the strength as specified in I.S CODE.

The rate is inclusive of cost of cube test before is inclusive of cost of cube test before starting the work i.e. 3 nos per each lot of cement as directed and specified.

In the ties and plinth beam in foundation shaped testing of column pile cap base slab retaining walls of septic tank inspection pit intercepting trap . yard gully including formation of trap slap of septic tank etc. upto plinth level in prop 1:2:4.

(a) M 15 grade

Base	1	x	0.50	x	0.50	x	0.15	= 0.04 m ³
Post	1	x	0.15	x	0.15	x	1.82	= 0.04 m ³
								Total = 0.08 m ³


@ Rs. 8323.06 / m³ (As per SOR, CE(I) 2017-18) = Rs. 665.84

Item No. 7 : Earthwork in back filling of structures, obtained from outside borrow pits filling in 15 cm layers, ramming,

Quantity	= 1/3rd of item No. 1	= 0.13 m ³	= Rs. <u>37.25</u>
@ Rs. 286.57 / m ³	(As per SOR, CE(I) 2017-18)		Total = Rs. 2,543.40
			Say = Rs. 2,500.00

Cost for 14 no.s of Pillar = Rs 35,000.00

Rupees Thirty Five Thousand Only


Chief Engineer (MI)
Irrigation, Assam, Guwahati-03
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