

**ABSTRACT**

CONSTRUCTION OF 33KV COLUMN FOUNDATIONS AND 33KV TERMINAL EQUIPMENTS INCLUDING ALL  
ERECTIONS AT 132KV GRID SUBSTATION, UPPER DAMALGRE

SL.NO	DESCRIPTION OF WORKS	TOTAL AMOUNT	REMARKS
1	Cost of construction of foundations for 33kV Columns ( As in <b>Annexure - A</b> enclosed)		
2	Cost of erection of 33kV Columns and Beams ( As in <b>Annexure - B</b> enclosed)		
3	Cost of construction of foundations and erection of 33kV Terminal Equipments ( As in <b>Annexure - C</b> enclosed)		
		Total =	

**ANNEXURE-A**

BID SHEET FOR MAKING OF FOUNDATIONS FOR 33KV COLUMNS C1 & C3 AT 132KV SUB-STATION, UPPER DAMALGRE.

SL.NO	ITEM	UNIT	QUANTITY	AMOUNT/COLUMN FOUNDATION (inclusive of GST)	TOTAL AMOUNT (inclusive of GST)
1	Making of foundations for 33KVB Columns (C1) ( As in Annexure -I enclosed)	No.	12		
2	Making of foundations for 33KVB Columns (C3) ( As in Annexure -I enclosed)	No.	12		
Total =					

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## ANNEXURE-I

<b>BID SHEET FOR FOUNDATION AND ERECTION OF 33KV COLUMN C1&amp;C3 AT 132KV GRID SUB-STATION, UPPER DAMALGRE</b>					
<u>Item No.</u>	<u>Description</u>	<u>Qty</u>	<u>Unit</u>	<u>Rate in Rs.(inclusive of GST)</u>	<u>Amount in Rs.(inclusive of GST)</u>
1	Earth work in excavation upto a depth of 2m..... (a) In ordinary soil. Leg Foundation	13.612	m <sup>3</sup>		
2	Providing and laying c.c in prop. 1:3:6..... complete In Foundation	0.680	m <sup>3</sup>		
3	Supplying, fitting and fixing in position reinforcement bars ..... Slab <b>10 mm dia.</b> Leg & Beams <b>16 mm dia.</b>	2.330	Qtls		
	c) ISI approved mild steel..... Stirrups - 6mm dia. @ 150mm c/c	0.100	Qtls		
4	Providing form work of ordinary timber planking of thickness not less than 25mm..... Leg	13.320	m <sup>2</sup>		
5	Providing and laying concrete in reinforcement.... a) M15 Or prop. 1:2:4 Leg	2.674	m <sup>3</sup>		
6	Earth/sand filling in ..... b) With available excavated earth including..... all leads and lifts	10.15	m <sup>3</sup>		
7	Extra lead per km truck carriage for sand, gravel,etc beyond the initial lead of 8km (A) Stones/Chips :- Quarry at Benabazar 40.00km away from work site Total:- 40.00km-8.00km = 32.000	2.953	m <sup>3</sup>		
	Quantity of carriage for stones/chips (B) Sand :- Quarry at Damalgre 14.00km away from work site Total:- 14.00km-8.00km = 6.00km				

Quantity of carriage for sand	1.500	m <sup>3</sup>	
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TOTAL

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## ANNEXURE-B

BID SHEET FOR ERECTION OF 33KV COLUMNS AND BEAMS AT 132KV SUBSTATION, UPPER DAMALGRE.

SL.NO	ITEMS	UNIT	QUANTITY	WT OF COLUMN/BEAM (MT)	WT OF NUTS & BOLTS (MT)	TOTAL WEIGHT (MT)	RATE OF ERECTION/ MT (inclusive of GST)	AMOUNT (inclusive of GST)
1	Erection of 33KV "C1" Type Columns	No.	12	0.6615	0.5718	14.7996		
2	Erection of 33KV "C3" Type Columns	No.	12	0.48092	0.5718	12.63264		
3	Erection of 33KV "B-4" Type Beams	No.	14	0.2800	0.2444	7.3416		
<b>TOTAL :-</b>								

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## ANNEXURE-C

BID SHEET FOR MAKING OF STRUCTURE FOUNDATION FOR 33KV SF6 CB,CT,ISOLATOR AND PT AT  
132KV GRID SUBSTATION, DAMALGRE

SL.NO	DESCRIPTION	UNIT	QUANTITY	AMOUNT/ SET (inclusive of GST)	TOTAL AMOUNT (inclusive of GST)
1	Making of structure foundation for 33KV SF6 CB ( As in Annexure - I enclosed)	Set	6		
2	Making of structure foundation for 33KV CT ( As in Annexure -II enclosed)	Set	6		
3	Making of structure foundation for 33KV ISOLATOR ( As in Annexure -III enclosed)	Set	16		
4	Making of structure foundation for 33KV LA ( As in Annexure -IV enclosed)	Set	5		
5	Making of structure foundation for 33KV PI ( As in Annexure -V enclosed)	Set	12		
6	Making of structure foundation for 33KV PT ( As in Annexure -VI enclosed)	Set	1		
<b>G/Total :</b>					

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## ANNEXURE-I

<b>BID SHEET FOR FOUNDATION AND ERECTION OF 33KV SF6 BREAKER AT 132KV GRID SUB-STATION, L</b>			
<b>Item No.</b>	<b>Description</b>	<b>Qty</b>	<b>Unit</b>
1	Earth work in excavation upto a depth of 2m..... (a) In ordinary soil. Leg Foundation	1.210	m <sup>3</sup>
2	Providing and laying c.c in prop. 1:4:8..... complete Leg Foundation	0.100	m <sup>3</sup>
3	Supplying, fitting and fixing in position reinforcement bars ..... <b>16 mm dia.</b> Leg <b>Stirrups 8 mm dia.</b>	0.380	qtls
4	25mm..... Leg	4.400	m <sup>2</sup>
5	Providing and laying concrete in reinforcement.... a) M15 Or prop. 1:2:4 Leg	1.100	m <sup>3</sup>
6	Extra lead per km truck carriage for sand, gravel,etc beyond the initial lead of (A) Stones/Chips :- Quarry at Benabazar 40.00km away from work site Total:- 40.00km-8.00km = 32.000 Quantity of carriage for stones/chips	1.064	m <sup>3</sup>
	(B) Sand :- Quarry at Damalgre 14.00km away from work site Total:- 14.00km-8.00km = 6.00km Quantity of carriage for sand	0.532	m <sup>3</sup>

TOTAL

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## ANNEXURE-II

**BID SHEET FOR FOUNDATION AND ERECTION OF 33KV CT AT 132KV GRID SUB-STATION, UPPER DAMALGRE**

<u>Item No.</u>	<u>Description</u>	<u>Qty</u>	<u>Unit</u>	<u>Rate in Rs.(inclusive of GST)</u>	<u>Amount in Rs.(inclusive of GST)</u>
1	Earth work in excavation upto a depth of 2m..... (a) In ordinary soil. Leg Foundation	1.920	m <sup>3</sup>		
2	Providing and laying c.c in prop. 1:4:8..... complete Leg Foundation	0.150	m <sup>3</sup>		
3	Supplying, fitting and fixing in position reinforcement bars ..... 16 mm dia. Leg Stirrups 8 mm dia.	0.810	qtls		
4	25mm..... Leg	9.240	m <sup>2</sup>		
5	Providing and laying concrete in reinforcement.... a) M15 Or prop. 1:2:4 Leg	1.617	m <sup>3</sup>		
6	Extra lead per km truck carriage for sand, gravel,etc beyond the initial lead of (A) Stones/Chips :- Quarry at Benabazar 40.00km away from work site Total:- 40.00km-8.00km = 32.000 Quantity of carriage for stones/chips	1.567	m <sup>3</sup>		
	(B) Sand :- Quarry at Damalgre 14.00km away from work site Total:- 14.00km-8.00km = 6.00km Quantity of carriage for sand	0.783	m <sup>3</sup>		

TOTAL

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## ANNEXURE-III

**BID SHEET FOR FOUNDATION AND ERECTION OF 33KV ISOLATOR AT 132KV GRID SUB-STATION, UP**

<u>Item No.</u>	<u>Description</u>	<u>Qty</u>	<u>Unit</u>
1	Earth work in excavation upto a depth of 2m..... (a) In ordinary soil. Leg Foundation	1.040	m <sup>3</sup>
2	Providing and laying c.c in prop. 1:4:8..... complete Leg Foundation	0.100	m <sup>3</sup>
3	Supplying, fitting and fixing in position reinforcement bars ..... <b>16 mm dia.</b> Leg <b>Stirrups 8 mm dia.</b>	0.610	qtls
4	25mm..... Leg	5.760	m <sup>2</sup>
5	Providing and laying concrete in reinforcement.... a) M15 Or prop. 1:2:4 Leg	0.864	m <sup>3</sup>
6	Extra lead per km truck carriage for sand, gravel,etc beyond the initial lead of (A) Stones/Chips :- Quarry at Benabazar 40.00km away from work site Total:- 40.00km-8.00km = 32.000 Quantity of carriage for stones/chips	0.856	m <sup>3</sup>
	(B) Sand :- Quarry at Damalgre 14.00km away from work site Total:- 14.00km-8.00km = 6.00km Quantity of carriage for sand	0.428	m <sup>3</sup>

TOTAL

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## ANNEXURE-IV

**BID SHEET FOR FOUNDATION AND ERECTION OF 33KV LA AT 132KV GRID SUB-STATION, UPPER**

<u>Item No.</u>	<u>Description</u>	<u>Qty</u>	<u>Unit</u>
1	Earth work in excavation upto a depth of 2m..... (a) In ordinary soil. Leg Foundation	1.340	m <sup>3</sup>
2	Providing and laying c.c in prop. 1:4:8..... complete Leg Foundation	0.147	m <sup>3</sup>
3	Supplying, fitting and fixing in position reinforcement bars ..... <b>16 mm dia.</b> Leg <b>Stirrups 8 mm dia.</b>	0.810	qtls
4	25mm..... Leg	6.720	m <sup>2</sup>
5	Providing and laying concrete in reinforcement.... a) M15 Or prop. 1:2:4 Leg	1.176	m <sup>3</sup>
6	Extra lead per km truck carriage for sand, gravel,etc beyond the initial lead of (A) Stones/Chips :- Quarry at Benabazar 40.00km away from work site Total:- 40.00km-8.00km = 32.000 Quantity of carriage for stones/chips	1.176	m <sup>3</sup>
	(B) Sand :- Quarry at Damalgre 14.00km away from work site Total:- 14.00km-8.00km = 6.00km Quantity of carriage for sand	0.588	m <sup>3</sup>

TOTAL

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## ANNEXURE-V

<b>BID SHEET FOR FOUNDATION AND ERECTION OF 33KV PI AT 132KV GRID SUB-STATION, UPPER</b>			
<b>Item No.</b>	<b>Description</b>	<b>Qty</b>	<b>Unit</b>
1	Earth work in excavation upto a depth of 2m..... (a) In ordinary soil. Leg Foundation	0.448	m <sup>3</sup>
2	Providing and laying c.c in prop. 1:4:8..... complete Leg Foundation	0.049	m <sup>3</sup>
3	Supplying, fitting and fixing in position reinforcement bars ..... <b>16 mm dia.</b> Leg <b>Stirrups 8 mm dia.</b>	0.270	qtls
4	25mm..... Leg	2.240	m <sup>2</sup>
5	Providing and laying concrete in reinforcement.... a) M15 Or prop. 1:2:4 Leg	0.392	m <sup>3</sup>
6	Extra lead per km truck carriage for sand, gravel,etc beyond the initial lead of (A) Stones/Chips :- Quarry at Benabazar 40.00km away from work site Total:- 40.00km-8.00km = 32.000 Quantity of carriage for stones/chips	0.392	m <sup>3</sup>
	(B) Sand :- Quarry at Damalgre 14.00km away from work site Total:- 14.00km-8.00km = 6.00km Quantity of carriage for sand	0.196	m <sup>3</sup>

TOTAL

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## ANNEXURE-VI

**BID SHEET FOR FOUNDATION AND ERECTION OF 33KV PT AT 132KV GRID SUB-STATION, UPPER**

<u>Item No.</u>	<u>Description</u>	<u>Qty</u>	<u>Unit</u>
1	Earth work in excavation upto a depth of 2m..... (a) In ordinary soil. Leg Foundation	1.344	m <sup>3</sup>
2	Providing and laying c.c in prop. 1:4:8..... complete Leg Foundation	0.147	m <sup>3</sup>
3	Supplying, fitting and fixing in position reinforcement bars ..... 16 mm dia. Leg Stirrups 8 mm dia.	0.81	qtls
4	25mm..... Leg	6.72	m <sup>2</sup>
5	Providing and laying concrete in reinforcement.... a) M15 Or prop. 1:2:4 Leg	1.176	m <sup>3</sup>
6	Extra lead per km truck carriage for sand, gravel,etc beyond the initial lead of (A) Stones/Chips :- Quarry at Benabazar 40.00km away from work site Total:- 40.00km-8.00km = 32.000 Quantity of carriage for stones/chips	1.176	m <sup>3</sup>
	(B) Sand :- Quarry at Damalgre 14.00km away from work site Total:- 14.00km-8.00km = 6.00km Quantity of carriage for sand	0.588	m <sup>3</sup>

TOTAL

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