

**BHARAT HEAVY ELECTRICALS LIMITED**

BOILER AUXILIARIES PLANT

RANIPET - 632406

**ESTIMATE****NAME OF WORK : PART I: PROVIDING FITTERS BAR FOUNDATION IN FAN TESTING STATION IN FACTOR****ESTIMATE REF NO : CF/CA/02**

CPWD 2007 REF	SLNO	DESCRIPTION	QTY	UNIT	RATE RS P	AMOUNT RS P
2.6.1	01	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas ( exceeding 1.5 m in width or 10 sqm on - plan) including dressing of sides & ramming of bottoms, lift upto 1.5m,including getting out the excavated soil and disposal of surplus excavated soil as directed,with in a lead of 50 m IN ALL KINDS OF SOIL.	200	CU.M	101.85	20370.00
2.25	02	FILLING AVAILABLE EXCAVATED EARTH (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth; consolidating each deposited layer by ramming and watering, lead upto 50 M and lift upto 1.5 M.	150	CU.M	45.70	6855.00
2.7	03	EXCAVATION WORK IN excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 1.5 m in width or 10 sqm on plan ) including dressing of sides and ramming of bottoms,lift upto 1.5 m,including getting out the excavated soil and disposal of surplus excavated soils as directed within a lead of 50 M, in:				
2.7.1	03A	Ordinary rock	300	CU.M	152.60	45780.00
2.7.3	03B	Hard rock requiring blasting prohibited	180	CU.M	325.25	58545.00
4.1	04	Providing and laying in position CEMENT CONCRETE of specified grade excluding the cost of centring and shuttering for ALL WORKS UPTO PLINTH LEVEL, with:				
4.1.9	04A	CC 1:4:8 (1 cement: 4 fine sand: 8 graded stone aggregate 40 mm nominal size)	10	CU.M	1415.55	14155.50
5.33	05	5.33: Providing & laying in position machine batched, machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete work including pumping of concrete to site of lahying but excluding the cost of centring, shuttering,	500		2023.60	1011800.00

CONTRACTOR/ TENDERER

ACCEPTING OFFICER

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CPWD 2007 REF	SLNO	DESCRIPTION	QTY	UNIT	RATE		AMOUNT	
					RS	P	RS	P
		finishing and reinforcements including Admixtures in recommended proportions (as per IS 9103) to accelerate, retard setting of concrete improve workability without imparing strength and durability as per direction of Engineer-in-charge for M-25 grade reinforced cement concrete by using 410 Kg. of cement per cum of concrete. All work upto floor V level.						
5.9	06	CENTRING and SHUTTERING inlcuding strutting, propping etc and removal of form in all floors; for: .						
5.9.1	06A	Foundations, footings, bases of columns etc. for mass concrete.	275	SQ.M	119.25		32793.75	
5.22	07	REINFORCEMENT FOR RCC WORK including straightening, cutting, bending, placing in position and binding all complete at all levels, with: .						
5.22.3	07A	Cold twisted bars/ HYSD bars	30000	KG	6.19		185700.00	
6.1	08	Brick work with FPS BRICKS OF CLASS DESIGNATION 75 IN FOUNDATION AND PLINTH, in:						
6.1.2	08A	Cement mortar 1:6 (1 cement: 6 fine sand).	55	CU.M	1798.00		98890.00	
10.2	09	Structural steel work riveted, bolted or welded in built up sections, (fixing of fitters bar) including cutting, hoisting, fixing in position & applying a priming coat of approved (Zinc Chromate) steel primer all complete.	100000	KG.	10.70		1070000.00	
15.3	10	DEMOLISHING RCC WORK manually/by mechanical means including stacking of steel bars and disposal of unserviceable materials within 50 m lead.	60	CU.M	537.55		32253.00	
15.43	11	Dismantling including stacking of serviceable material and disposal of unserviceable material within 50 metres lead:						

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15.43.1	11A	Water bound macaddam road	65	SQ.M	34.30	2229.50
16.45	12	Providing and fixing in position pre-moulded joint filler in expansion joints, of/ with: .				
16.45.1	12A	Per cm. width (thickness) of joint and in required depth and length.	18	SQ.M	200.00	3600.00
1.1.1	13	Carriage of materials by mechanical means including loading, leading, unloading, stacking etc., such as lime, moorum, building rubbish. Up to 2 KM	2500	CU.M	56.41	141025.00
0293+2206+2.25	14	Supply and filling of 40mm HBG stone jelly in foundation as directed by the Engineer-in-charge	230	CU.M	753.53	173311.90
MARKET RATE	15	Supply and fixing of 1mm thick Poly ethylene sheet over metal surface to receive concrete bed.	300	SQ.M	12.00	3600.00

TOTAL ESTIMATED VALUE 29,00,908.65

CONTRACTOR TENDER PERCENTAGE @ ABOVE / BELOW / AT PAR \_\_\_\_\_%

(Percentage in words )

TOTAL VALUE OF WORK  
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RANIPET - 632406

**ESTIMATE****NAME OF WORK : PART II: PROVIDING TEST TRACK FOUNDATIONS NEAR FAN TESTING STATION IN FAC****ESTIMATE REF NO : CF/CA/03**

CPWD 2007 REF	SLNO	DESCRIPTION	QTY	UNIT	RATE RS P	AMOUNT RS P
2.8.1	01	Earth work in excavation by mechanical means (Hydraulic excavator) / by manual means in FOUNDATION TRENCHES OR DRAINS ( not exceeding 1.5 m in width or 10 sqm on - plan) including dressing of sides & ramming of bottoms, lift upto 1.5m,including getting out the excavated soil and disposal of surplus excavated soil as directed,with in a lead of 50 m IN ALL KINDS OF SOIL.	100	CU.M	103.40	10340.00
2.25	02	FILLING AVAILABLE EXCAVATED EARTH (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth; consolidating each deposited layer by ramming and watering, lead upto 50 M and lift upto 1.5 M.	40	CU.M	45.70	1828.00
2.9	03	EXCAVATION WORK IN FOUNDATION TRENCHES OR DRAINS ( not exceeding 1.5 m in width or 10 sqm on plan ) including dressing of sides and ramming of bottoms, lift upto 1.5 m,including getting out the excavated soil and disposal of surplus excavated soils as directed within a lead of 50 M, in:				
2.9.1	03A	Ordinary rock	100	CU.M	162.55	16255.00
2.9.3	03B	Hard rock where blasting prohibited	70	CU.M	332.45	23271.50
4.1	04	Providing and laying in position CEMENT CONCRETE of specified grade excluding the cost of centring and shuttering for ALL WORKS UPTO PLINTH LEVEL, with:				
4.1.9	04A	CC 1:4:8 (1 cement: 4 fine sand: 8 graded stone aggregate 40 mm nominal size)	20	CU.M	1415.55	28311.00
5.33	05	5.33.1: Providing & laying in position machine batched, machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete including pumping of concrete to site of laying but excluding the cost of centring, shuttering, finishing and reinforcements including Admixtures in	265	CU.M	2023.60	536254.00

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CPWD 2007 REF	SLNO	DESCRIPTION	QTY	UNIT	RATE RS P	AMOUNT RS P
		recommended proportions (as per IS 9103) to accelerate, retard setting of concrete improve workability without imparing strength and durability as per direction of Engineer-in-charge for M-25 grade reinforced cement concrete by using 410Kg. of cement per cum of concrete. All work upto floor V level.				
5.9	06	CENTRING and SHUTTERING inlcuding strutting, propping etc and removal of form in all floors; for: .				
5.9.1	06A	Foundations, footings, bases of columns etc., for mass concrete	300	SQ.M	119.25	35775.00
5.22	07	REINFORCEMENT FOR RCC WORK including straightening,cutting, bending, placing in position and binding all complete at all levels, with: .		KG.		
5.22.3	07A	Cold twisted bars / HYSD bars	26500	KG.	6.19	164035.00
1.1.1	08	Carriage of materials by mechanical means including loading, leading, unloading, stacking etc., such as lime, moorum, building rubbish. (Upto 2 KM)	230	CU.M	56.41	12974.30
10.19	09	Providing and fixing M.S. round holding down bolts with nuts and washer plates complete.	2500	KG.	52.05	130125.00

TOTAL ESTIMATED VALUE 9,59,168.80

CONTRACTOR TENDER PERCENTAGE @ ABOVE / BELOW / AT PAR \_\_\_\_\_%

(Percentage in words )

TOTAL VALUE OF WORK

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