

BHARAT HEAVY ELECTRICALS LIMITED

BOILER AUXILIARIES PLANT

RANIPET - 632406

ESTIMATE

ESTIMATE REF NO : CTS/RB/05/10

NAME OF WORK : PROVIDING GRANITE TOP FOR COOKING PLATFORM, SINK AND CERAMIC FLOOR & WALL TILING WORKS AT TYPE 'B' QTRS IN TOWNSHIP(AT DWELLING HOUSES)

CPWD 2007 REF	SLNO	DESCRIPTION	QTY	UNIT	RATE RS P	AMOUNT RS P
15.2.1	01	DEMOLISHING CEMENT CONCRETE MANUALLY/BY MECHANICAL MEANS INCLUDING DISPOSAL OF MATERIALS WITHIN 10 METRES LEAD AS PER DIRECTION OF ENGINEER-IN-CHARGE. 1:3:6 OR RICHER MIX.	285.000	CUM	368.45	105008.25
15.23.1	02	DISMANTLING TILE WORK IN FLOORS AND ROOFS LAID IN CEMENT MORTAR INCLUDING STACKING MATERIAL WITHIN 50 METRES LEAD. FOR THICKNESS OF TILES 10MM TO 25MM.	192.000	SQM	10.90	2092.80
14.17	03	RAKING OUT JOINTS IN LIME OR CEMENT MORTAR AND PREPARING THE SURFACE FOR RE-POINTING OR REPLASTERING INCLUDING DISPOSAL OF RUBBISH TO THE DUMPING GROUND WITHIN 50 METRES LEAD.	1982.000	SQM	10.85	21504.70
DATA	04	ROUGHENING THE EXISTING OLD SURFACE WHICH INCLUDES REMOVING ALL DIRT, DUST, PAINTED SURFACE FULLY AND MAKE THE SURFACE TO SUIT FOR PLASTERING OR DADOING FOR TILES FIXING AND WORK CARRIEDOUT BY MANUALLY OR MECHANICALLY.	3304.000	SQM	34.56	114186.24
15.7.4	05	DESMOLISHING BRICK WORK MANUALLY/BY MECHANICAL MEANS INCLUDING STACKING OF SERVICEABLE MATERIAL AND DISPOSAL OF UNSERVICEABLE MATERIAL WITHIN 50 METRES LEAD AS PER DIRECTION OF ENGINEER-IN-CHARGE. IN CEMENT MORTAR.	29.000	CUM	310.75	9011.75
DATA	06	I. CARPENTRY WORK: REMOVING THE SHUTTERS OF DOORS IN ALL ROOMS IN VARIOUS QUARTERS FOR REPLACING THE DAMAGED RAILS/STYLES, PLYWOOD/PLANKS FOR PANELS, AC SHEET/GI SHEET AND USING OF REQUIRED NEW WOODEN MATERIALS, WITH NECESSARY CUTTING, PLANEING, MATCHING THE FRAMES AND PANELS WITH ADHESIVES AND BUTT JOINTS TO BE TIGHTENED WITH GI/MS BOLT AND NUTS OF REQUIRED SIZE AND LENGTH. THE RATE TO INCLUDE REFIXING THE SAME WITH NECESSARY HINGES, SCREWS, TOWER BOLTS. AC/GI SHEETS, BOLTS & NUTS, ETC COMPLETE AS PER STANDARD SPECIFICATIONS AND INSTRUCTIONS OF	200.000	EACH	108.02	21604.00

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					RS	P	RS	P
		ENGINEER-IN-CHARGE. RATE QUOTED SHOULD INCLUDE NECESSARY LABOUR CHARGES, COST OF ADHESIVES. ALL OTHER MATERIALS REQUIRED LIKE WOODEN FRAMES, GLASS, HINGES, PLYWOOD, SCREWS GI/MS BOLT AND NUTS, WASHERS, TOWER BOLTS ETC WHICH WILL BE ISSUED FREE OF COST BY BHEL . A) DOOR SHUTTERS (APPROX. SIZE 2.00MX0.80M)						
AGT.11/09-10	07A	PLUMBING WORKS: REPAIRING THE FOLLOWING EXISTING ALL WATER SUPPLY AND DRAINAGE LINE INCLUDING ALL SANITARY FITTINGS IN VARIOUS QUARTERS AND PUBLIC BUILDINGS IN TOWNSHIP AS PER INSTRUCTIONS OF ENGINEER-IN-CHARGE AND AS PER STANDARD SPECIFICATION. THE RATE INCLUDES LABOUR PAYMENT, ALL CONVEYANCE, COST OF TOOLS AND TACKLES LIKE BAMBOO LADDERS, POWERED HAND DRILLING MACHINE, SCREW DRIVERS, SPANNERS. CUTTING PLAYER, PIPE WRENCH, HACKSAW FRAME WITH BLADE, HAMMER, DIE SET, PIPE JUMPER, JUMPER HOLDER WITH BIT AND OTHER REQUIRED TOOLS AND CONSUMABLE LIKE GI CLAMP, SOLVENT CEMENT, COTTON THREAD, TUPLAN TAPE, SHEELOCK, COTTON WASTE, EMERAY SHEET, PLUG WOOD, SCREWS BUT EXCLUDING COST OF PVC/GI PIPES AND SPECIALS, AND OTHER REQUIRED SANITARY FITTINGS LIKE, WASHERS, TAPS, WASTE PIPES, CONNECTING PIPE, WASTE COUPLING WASH BASIN, URINALS, FLUSHING SYSTEM, ETC WHICH WILL BE ISSUED FROM TOWNSHIP CIVIL STORES ON FREE OF COST.	200.000	EACH	69.20		13840.00	
-DO-	07B	1/2" BRASS TAP LEAKAGE	200.000	EACH	34.60		6920.00	
-DO-	07C	OTHER THAN THE ABOVE PLUMBING COMPLAINTS	200.000	EACH	46.70		9340.00	
4.2.3	08	PROVIDING AND LAYING CEMENT CONCRETE IN RETAINING WALLS, RETURN WALLS,WALLS(ANY THICKNESS) INCLUDING	3.000	CUM	1921.50		5764.50	

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CPWD 2007 REF	SLNO	DESCRIPTION	QTY	UNIT	RATE		AMOUNT	
					RS	P	RS	P
		ATTACHED PILASTERS,COLUMNS,PIERS,ABUTMENTS, PILLARS, POSTS,STRUTS, BUTRESSES,STRING OR FACING COURSES,PARAPETS,COPING,BED BLOCKS,ANCHOR BLOCKS,PLAIN WINDOW SILLS,FILLETS ETC. UP TO FLOOR FIVE LEVEL, EXCLUDING THE COST OF CENTERING,SHUTTERING AND FINISHING. 1:2:4 (1 CEMENT: 2 COARSE SAND : 4 GRADED STONE AGGREGATE 20 MM NOMINAL SIZE).						
6.1.2	09	BRICK WORK WITH F. P.S BRICKS OF CLASS DESIGNATION 75 AND PLINTH LEVEL IN. CEMENT MORTAR 1:6 (1 CEMENT : 2 COARSE SAND : 4 GRADED STONE AGGREGATE 20 MM NOMINAL SIZE)	5.000	CUM	1798.00		8990.00	
6.4.2	10	BRICK WORK WITH F.P.S BRICKS OF CLASS DESIGNATION 75 IN SUPERSTRUCTURE ABOVE PLINTH LEVEL UP TO FLOOR V LEVEL IN ALL SHAPES AND SIZES IN: CEMENT MORTAR 1:6 (1 CEMENT:6 COARSE SAND)	5.000	CUM	2033.65		10168.25	
13.5.2	11	15MM CEMENT PLASTER ON ROUGH SIDE OF SINGLE OR HALF BRICK WALL OF MIX. 1:6 (1 CEMENT : 6 COARSE SAND)	40.000	SQM	62.28		2491.20	
11.39	12	PROVIDING AND LAYING RECTIFIED GLAZED CERAMIC FLOOR TILES 300X300MM OR MORE (THICKNESS TO BE SPECIFIED BY THE MANUFACTURER) OF FIRST QUALITY CONFORMING TO IS:15622 OF APPROVED MAKE IN COLOURS WHITE, IVORY,GREY,FUME RED BROWN, LAID ON 20MM THICK CEMENT MORTAR 1:4 (1 CEMENT : 4 COARSE SAND) INCLUDING GROUTING THE JOINTS WITH WHITE CEMENT AND MATCHING PIGMENTS ETC. COMPLETE.	5660.000	SQM	695.56		3936869.60	
DATA	13A	PROVIDING AND LAYING RECTIFIED GLAZED CERAMIC FLOOR TILES 300X300MM OR MORE (THICKNESS TO BE SPECIFIED BY THE MANUFATURER) OF FIRST QUALITY CONFIRMING TO IS:15622 OF APPROVED MAKE IN COLOURS WHITE, IVORY, GREY, FUME, RED BROWN, FIXING WITH CEMENT	9440.000	SQM	686.31		6478766.40	

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CPWD 2007 REF	SLNO	DESCRIPTION	QTY	UNIT	RATE RS P	AMOUNT RS P
		BASED HIGH POLYMER QS:IS:15477 USING 5 KGS ADHENSIVE PER SQM OF THE AVERAGE 03MM PASTE THICKNESS INCLUDING GROUTING THE JOINTS WITH WHITE CEMENT AND MATCHING PIGMENTS ETC. COMPLETE.				
-DO-	13B	FOR ADDITIONAL 1 MM THICK OVER AND ABOVE FOR 3MM THICK	1890.000	SQM	26.62	50311.80
-DO-	13C	FOR ADDITIONAL 2 MM THICK OVER AND ABOVE FOR 3MM THICK	1890.000	SQM	53.24	100623.60
-DO-	13D	FOR ADDITIONAL 4 MM THICK OVER AND ABOVE FOR 3MM THICK	1890.000	SQM	106.48	201247.20
-DO-	13E	FOR ADDITIONAL 8 MM THICK OVER AND ABOVE FOR 3MM THICK	1890.000	SQM	212.96	402494.40
-DO-	13F	FOR ADDITIONAL 12 MM THICK OVER AND ABOVE FOR 3MM THICK	945.000	SQM	319.44	301870.80
-DO-	13G	FOR ADDITIONAL 14 MM THICK OVER AND ABOVE FOR 3MM THICK	945.000	SQM	372.68	352182.60
8.2.2.2	14	PROVIDING AND FIXING 18MM THICK GANG SAW OUT MIRROR POLISHED (PREMOULDED AND PREPOLISHED) MACHINE CUT FOR KITCHEN PLATFORMS, VANITY COUNTERS, WINDOW SILLS, FACIAS AND SIMILAR LOCATIONS OF REQUIRED SIZE OF APPROVED SHADE, COLOUR AND TEXTURE LAID OVER 20MM THICK BASE CEMENT MORTAR 1:4 (1 CEMENT : 4 COARSE SAND) WITH JOINTS TREATED WITH WHITE CEMENT, MIXED WITH MATCHING PIGMENT, EPOXY TOUCH UPS, INCLUDING RUBBING, CURING, MOULDING AND POLISHING TO EDGE TO GIVE HIGH GLOSS FINISH ETC. COMPLETE AT ALL LEVELS. GRANITE OF ANY COLOUR AND SHADE. AREA OF SLAB OVER 0.50 SQM.	190.000	SQM	2514.12	477682.80
DATA	15A	PROVIDING AND FIXING 18 MM THICK GANG SAW CUT MIRROR POLISHED (PREMOULDED AND PREPOLISHED) MACHINE CUT OF KITCHEN PLATFORMS,VANITY COUNTERS,WINDOW SILLS,FACIAS AND SIMILAR LOCATIONS OF REQUIRED QUANTITY OF APPROVED SHADE,COLOUR AND TEXTURE LAID OVER CEMENT BASED HIGH POLIMER QS:IS:15477 USING 5 KGS ADHESIVE PER SQM OF THE AVERAGE 03 MM PASTE THICKNESS INCLUDING GROUTING THE JOINTS WITH WHITE CEMENT AND	320.000	SQM	2504.87	801558.40

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CPWD 2007 REF	SLNO	DESCRIPTION	QTY	UNIT	RATE RS P	AMOUNT RS P
		MATCHING PIGMENTS ETC. COMPLETE. GRANITE OF ANY COLOUR AND SHADE AREA OF SLAB OVER 0.50 SQM				
-DO-	15B	FOR ADDITIONAL 1 MM THICK OVER AND ABOVE FOR 3MM THICK.	80.000	SQM	26.62	2129.60
-DO-	15C	FOR ADDITIONAL 2 MM THICK OVER AND ABOVE FOR 3MM THICK.	80.000	SQM	53.24	4259.20
-DO-	15D	FOR ADDITIONAL 4 MM THICK OVER AND ABOVE FOR 3MM THICK.	80.000	SQM	106.48	8518.40
-DO-	15E	FOR ADDITIONAL 8 MM THICK OVER AND ABOVE FOR 3MM THICK.	80.000	SQM	212.96	17036.80
8.3.2	16	EXTRA FOR PROVIDING EDGE MouldING TO 18MM THICK STONE COUNTERS, VANITIES, ETC. INCLUDING MACHINE POLISHING TO EDGE TO GIVE HIGH GLOSS FINISH ETC. COMPLETE AS PER DESIGN APPROVED BY ENGINEER-IN-CHARGE. GRANITE WORK.	1120.000	RM	97.60	109312.00
11.36	17A	PROVIDING AND FIXING FIRST QUALITY GALZED WALL TILES CONFORMING TO IS: 15622 (THICKNESS TO BE SPECIFIED BY THE MANUFACTURER) OF APPROVED MAKE IN ALL COLOURS, SHADES EXCEPT BURGUNDY, BOTTLE GREEN, BLACK OF ANY SIZE AS APPROVED BY ENGINEER-IN-CHARGE IN SKIRTING, RISERS OF STEPS AND DADOS OVER 12MM THICK BED OF CEMENT MORTAR 1:3 (1 CEMENT : 3 COARSE SAND) AND JOINTING WITH GREY CEMENT SLURRY @ 3.3KG PER SQM INCLUDING POINTING IN WHITE CEMENT MIXED WITH PIGMENT OF MATCHING SHADE COMPLETE.	5285.000	SQM	492.26	2601594.10
AGT 35/09-10	17B	SAME AS ABOVE BUT FOR BORDER TILES.	340.000	SQM	1189.76	404518.40
AGT.23/09-10	18	SUPPLYING AT SITE OF WORK, CARRYING AND FIXING IN POSITION OF 18 MM THICK GRANITE (BLACK COLOUR) KITCHEN SINK OF SIZE 0.60X0.45X.30M (2'X1.5'X1'). THE FRONT FACE OF THE SINK TO BE SEMIPOLISHED AND TOP EDGES TO BE MOULDED, PROVIDING ONE NO. OF 12MM WASTE COUPLING WITH WASTE PIPE ETC. COMPLETE. RATE TO INCLUDE COST OF ALL MATERIALS, LABOUR CHARGES AND MAKING GOOD ALL DAMAGES, TO THE WALL FLOOR ETC TO MATCH THE EXISTING WORK	320.000	EACH	2062.14	659884.80

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		ETC. COMPLETE ALL AS PER STANDARD SPECIFICATIONS AND INSTRUCTIONS OF ENGINEER-IN-CHARGE				
1.1.1/4	19A	CARRIAGE OF MATERIALS BY MECHANICAL TRANSPORT INCLUDING LOADING, UNLOADING AND STACKING. LIME,MOORAM,BUILDING RUBBISH UPTO 1 KM OR PART THEREOF.	70.000	CUM	39.53	2767.10
1.1.1/5	19B	UPTO 2KM OR PART THEREOF	135.000	CUM	45.13	6092.55
1.1.1/6	19C	UPTO 3KM OR PART THEREOF	135.000	CUM	50.60	6831.00
18.7.1	20A	PROVIDING AND FIXING CHLORINATED POLYVINYL CHLORIDE (CPVC) PIPES, HAVING THERMAL STABILITY FOR HOT & COLD WATER SUPPLY INCLUDING ALL CPVC PLAIN & BRASS THREADED FITTINGS INCLUDING FIXING THE PIPE WITH CLAMPS AT 1.00 M SPACING. THIS INCLUDES JOINTING OF PIPES & FITTINGS WITH ONE STEP CPVC SOLVENT AND TESTING OF JOINTS COMPLETE AS PER DIRECTION OF ENGINEER-IN-CHARGE. INTERNAL WORK - EXPOSED ON WALL 15 MM NOMINAL OUTER DIA . PIPES.	1200.000	METRE	97.95	117540.00
18.7.2	20B	20 MM NOMINAL OUTER DIA.PIPES	100.000	METRE	115.65	11565.00
18.10.1	21A	PROVIDING AND FIXING G.I PIPES COMPLETE WITH G.I FITTINGS AND CLAMPS, INCLUDING CUTTING AND MAKING GOOD THE WALLS ETC. INTERNAL WORK - EXPOSED ON WALL: 15 MM DIA. NOMINAL BORE.	50.000	METRE	105.85	5292.50
18.10.2	21B	20 MM DIA.NOMINAL BORE.	450.000	METRE	133.85	60232.50
18.17.1	22	PROVIDING AND FIXING GUN METAL GATE VALVE WITH C.I WHEEL OF APPROVED QUALITY (SCREWED END) 25 MM NOMINAL BORE	320.000	EACH	285.50	91360.00
18.15.1	23	PROVIDING AND FIXING BRASS BIB COCK OF APPROVED QUALITY : 15 MM NOMINAL BORE	50.000	EACH	191.70	9585.00
18.55.1	24	PROVIDING AND FUIXING PTMT STOP COCK OF APPROVED QUALITY AND COLOR. 15 MM NOMINAL BORE, 86 MM LONG, WEIGHING NOT LESS THAN 88 GRAMS.	50.000	EACH	120.85	6042.50

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CPWD 2007 REF	SLNO	DESCRIPTION	QTY	UNIT	RATE		AMOUNT	
					RS	P	RS	P
DATA	25	PROVIDING AND FIXING CP SHOWER ROSE WITH ARM (100 MM SHOWER ROSE WITH 15 MM OR 20 MM INLET) OF WATERMAN OR EQUIVALENT MAKE. RATE INCLUDES COST OF CP SHOWER ROSE WITH ARM AND LABOUR CHARGES FOR FIXING. ALL AS PER STANDARD SPECIFICATION AND INSTRUCTIONS OF ENGINEER-IN-CHARGE.	50.000	EACH	321.75		16087.50	
DATA	26	PROVIDING AND FIXING 1/2" FLEXIBLE HOSE OF KOHINOOR OR EQUIVALENT MAKE (WITH BRASS UNIONS& 45 CM LENGTH). RATE INCLUDES COST OF FLEXIBLE HOSE AND LABOUR CHARGES FOR FIXING.ALL AS PER STANDARD SPECIFICATIONS AND INSTRUCTIONS OF ENGINEER-IN-CHARGE.	320.000	EACH	192.95		61744.00	
DATA	27	<p>PART - I REMOVING OF EXISTING PVC PIPE & CONNECTED FITTINGS. THE EXISTING PVC PIPE & FITTINGS LIKE BRASS TAP,CP BRASS STOP COCK,FLEXIBLE PVC HOSE, VALVE, SHOWER WITH ARM, FLUSHING SYSTEM,FLUSH PIPE ETC,.THE REMOVED PIPE,VALVE,FLEXIBLE PIPE SHALL BE HANDED OVER TO CIVIL TOWNSHIP STORES AND FLUSHING CISTERNS, FITTINGS LIKE BRASS TAP,CP STOP COCK,SHOWER ROSE WITH ARM,FLUSH PIPE SHALL BE HANDED OVER TO THE SAME RESIDENT FOR REFIXING PURPOSE. THE AUTO CARRIER WILL BE GIVEN FREE OF HIRE CHARGES FOR CONVEYING THE REMOVED PIPES & FITTINGS.</p> <p>PART - II FIXING OF 2 NOS OF SLEEVE PIPE WITH 20/25 MM DIA PVC PIPE OF APPROXIMATE 240 MM LONG BY MAKING HOLE ON MAIN WALL/CROSS WALL USING PIPE JUMBER / DRILLING MACHINE FOR MAKING HOLE, FIXING OF PIPE,END FINISHING BY CEMENT MORTAR ETC., RATE INCLUDES ALL LABOUR CHARGES, TOOLS& TACKLES ETC., COMPLETE BUT EXCLUDING THE COST OF CEMENT & PVC PIPE,WHICH WILL BE ISSUED FROM BHEL STORES AT FREE OF COST. ALL AS PER STANDARD SPECIFICATIONS AND INSTRUCTIONS OF</p>	320.000	HOUSE	164.87			

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		ENGINEER-IN-CHARGE.			52759.68	

17689681.92

ESCALATION @ %

0.00

TOTAL ESTIMATED VALUE (A)

17689681.92

CONTRACTOR TENDER PERCENTAGE @ ABOVE / BELOW / AT PAR _____% (B)

(Percentage in words)

SUB TOTAL (A+B)

SERVICE TAX @ % (C)

SERVICE HEAD : _____

TOTAL VALUE OF WORK (A+B+C)

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CONTRACTOR/ TENDERER

ACCEPTING OFFICER

BHARAT HEAVY ELECTRICALS LIMITED , BOILER AUXILIARIES PLANT, RANIPET - 632 406	
Civil Township	
SPECIAL CONDITIONS OF CONTRACT	
	Name of work: Providing granite top for cooking platform, sink and ceramic floor & wall tiling work at Type 'B' Qtrs in Township. (At dwelling houses).
1	The tenderer shall quote a percentage above or below or at par, the rates shown in the Bill of Quantities based on CPWD DSR 2007. The percentage quoted shall be clearly written both in words and figures. The contractor should accustom with CPWD DSOR & Specifications before quoting.
2	The quoted percentage will apply to the individual items uniformly .
3	The above rates does not include PF & ESI remittance .The tenderer shall quote inclusive of PF & ESI contribution to their workers.
4	Items of work other than those mentioned in Bill of Quantities will have to be carried out at the rates to be fixed by this organisation .The same offered percentage will be applicable with reference to CPWD DSR 2007.
5	Safety precautions should be taken while doing the work. You will have to follow all safety requirements to carry out the work in BHEL premises.
6	CONTRACT CONDITIONS ON TAXES & DUTIES
	a. The Tenderer shall have been Registered under Excise, Sales Tax, VAT, Service Tax regulations if applicable and provide a copy of such registration to BHEL as part of the tender document. In case of fresh registration/amendment thereon, the same shall be carried out before start of the work. PAN no shall be submitted as part the tender document. (copy to be enclosed)
	b. Service Tax shall be paid by the service provider namely the Tenderer.
	c. Required Tax Invoice as per the existing provisions to be issued in required parts duly signed by the Competent/Authorized Official of the Contractor to BHEL
	d. If due to deficiency in the document submitted, BHEL could not avail CENVAT, VAT Credit, the credit amount will be recovered from the amount due to the Tenderer .
	e. If payment of statutory dues are not made in accordance with the applicable provisions of the relevant Act within the time specified and Penalty, Interest etc paid/payable by the Contractor, the same shall not be reimbursed by BHEL and the entire implication is only to be born by the Contractor. The Tenderer shall clearly indicate the rate of applicable taxes and duties for the work to be executed.
	f. The Tenderer shall indicate all exemptions on account of thrushold limits or special notification under any stature. Any modification theron shall also be intimated immediately on changes.
	g. The quote submitted shall include all taxes and duties of whatsoever in nature but exclusive of Service Tax which shall be quoted separately if applicable. The existing rate shall be quoted clearly. If reduced rates are applicable on account of material, labour if any the same shall be indicated clearly. After tender opening addition of any tax & duty is not admissible.You will have to remit the service tax and claim reimbursement from BHEL on production of necessary documents,if for any reasons,tenderer has to pay penalty,interest on service tax,the tenderer has to bear such additional payment.The BHEL will pay only service tax

	h. if any composition scheme is to be availed by the Tenderer, the all relevant terms and conditions shall be indicated clearly in the offer. The required compliance under relevant statute shall be carried out.			
	i. Any statutory variation will be to the account of BHEL. But if the variation is effective during the delayed/extended period of execution for reasons attributable to the vendor, the same shall be borne by the vendor only.			
	J1. Whether Servicable Turnover has crossed the Service Tax Threshold Limit as per Service Tax Rules for the tenderer.	YES	NO	Remarks
	J2.Registered with Service Tax authorities	YES	NO	
	J3.If yes copy of Service Tax Regn. Is enclosed	YES	NO	
	J4.Service Tax Registration No.			
	J5.Under which Service Head(s):			
	J6.Service Tax @ % is applicable as extra for this tender.			
	J7.Whether Input credit for the Materials is availed by the tenderer.	YES	NO	
	J8.Whether Input credit for the service portion is availed by the tenderer.	YES	NO	
	J9.The Total Value of Work (A+B+C) quoted is in the Tender is Inclusive of Service Tax . (Must be quoted both in figures and words)			
	J10.Tenderer has their own PF registration	YES	NO	
	J11.Tenderer has their own ESI registration	YES	NO	
	J12.PAN No. of the Tenderer			
7	<p>7a) Power and water for all civil & road construction works will be provided by BHEL from the nearest tapping point at the recovery rates specified below. The contractor should make necessary arrangement for tapping the same at his own cost.</p> <p>7b) The Contractor should quote the tender considering the above. The recovery rates towards the cost for these facilities will be @ 1% for water charges & 0.5% for Power charges will be effected from the bills on the executed value as certified by the Engineer-in-charge based on the usage of Power & water.</p> <p>7c) In case the above facilities are not provided by BHEL, the tenderer has to arrange these facilities at his own cost and the recovery rates of 1% for water charges & 0.5% for Power charges will not be effected on the executed value as certified by the Engineer-in-charge.</p>			
8	All materials shall conform to the latest IS/IRC specifications			
9	Once the work is completed the contractor should remove all the unwanted materials from the site time to time and it should be disposed off as per the instructions of Engineer-in-charge without any further delay.			
10	All works shall be carried out as per standard specifications and instructions of Engineer-in-charge.			
11	All materials, colour, shade,brand, etc. shall be got approved from the Engineer-in-charge before the start of the work and shall conform to the latest IS/IRC specifications..			
12	The current minimum wages per day for USW is Rs.165.00/-			
13	The contractor have to follow all statutory requirements like PF ,ESI etc.,through out the contract period.			
14	The General conditions of contract in force shall apply to this contract(57 pages booklet)			
15	The contractor is required to engage a Diploma holder Engineer through out the contract period.			

16	Time is essence of the contract. Any delay beyond the delivery date will be subjected to LD.
17	Tenderers are requested to visit the site and verify themselves about the actual site conditions to know about the site facilities, distances and assess the site condition before quoting for the job. No compensation for not acquainting themselves with the actual site conditions will be entertained at the later stage.
18	All materials shall confirm to the latest IS/IRC/MORTH specifications
19	Cement and Reinforcement steel will be issued free of cost for theoretical consumption and at a recovery rate of Rs. 6,325.00 / MT and Rs. 41,975.00 / MT respectively. Structural steel and AC sheets will also be issued free of cost for theoretical consumption and at a recovery rate of Rs. 46,500.00 / MT and Rs. 140.00 / Sqm respectively. Upto 5% over and above the theoretical consumption beyond which penal recovery will be effected at double the rates specified above.
20	The Schedule rates indicated in the BOQ should remain intact.
21	The CPWD Specifications of Volume - I (From page No 1 to 664) and Volume - II (From page No 665 to 1440) are applicable for this work
22	The Order will be finalised on overall L1 by applying +/-at par % on the indicated total contract value,the quoted tender % will be apply uniformly to all the schedule of rates on the indicated total contract value
23	The indicated contract value is not assured by BHEL
24	The price shall be firm during the period of contract
25	Where DSR rates are not available,purchase rates shall be taken for data calculation purpose
26	No rate schedule will be allowed to unquote
27	The Scope of work covers all type of quarters,Public buildings and service line in Township premises
28	The contractor or his representative should report to the office daily on all working days
29	Day to day complaints received are completed on that day itself,completed complaints should get signed by the occupent and it has to be handed over for verification by the department officials
30	All materials required for day to day work may be collected from civil stores by giving departmental issue vouchers
31	Contractor has to engage disiplined skilled workers and helpers to attend the complaints and they should follow the rules and regulations of the company then and there
32	Proper shock proof tools and tackles are to be used accoding to the nature of works
33	Contractor/his workers should not do any other work in the quarters which are not covered in the
34	Once the complaint is received from user through department all efforts should be taken to start the
35	If any employee/labour working in the contract is found involved in corruption activities, the contract will be terminated and the contractor will be banned for applying any future contract for 3 years
36	BHEL reserves the right of splitting the work as it discretion to two parties at the rate of 60% of the ordered quantity on L1 and balance 40% on L2 at the ordering rate of L1. If L2 tenderer has not agree to carry out at the L1 rate, L1 tenderer has to carry out 100% of work.

TECHNICAL SPECIFICATIONS

01. All civil and road works shall have to be carried out strictly as per the specifications including all applicable official amendments and revisions laid down in Tamil Nadu Building Practice volume I & II for reference the above volumes are kept in the office of Addl. General Manager/Civil Factory & Township.
02. All structural and fabrication works shall have to be carried out as per BHEL General Specifications and Special conditions incorporated under “ Structural Steel Construction” (For reference the specifications are kept in the office of the Addl. General Manager/Civil Factory & Township.
03. Issue of stores to contractors and subsequent materials accounting will be done as per the conditions laid down under “ Issue of stores to the Contractor “. The stores will be issued to the Contractors at the rates specified in Schedule “ B ‘.
04. All materials supplied by the contractor and incorporated on the work shall conform to the latest IS Specifications including all applicable official amendments and revisions.
05. Power, Water and compressed air wherever necessary will be provided to the contractor from the nearest tapping point as specified in Sl.No.7 of Special Conditions of Contract. The contractor shall make necessary arrangements for drawing water, Power and compressed air to the workshop at his own cost complying with necessary safety regulations as per the relevant statutory regulations and codes.
06. The contractor should judiciously use the power, Water and compressed air failing which penalty will be enforced as decided by the Engineer-in-charge from time to time.
07. Written permission for erection of temporary work sheds at site will have to be obtained from BHEL, Once the work is completed, the contractor should remove his temporary shed and also the unwanted materials and dispose the debris as instructed by the Engineer-in-charge. Around 10 Mtrs. Width of the constructed area, the contractor should remove all debris and clear all unwanted materials.

CONTRACTOR / TENDERER

ACCEPTING OFFICER

BHARAT HEAVY ELECTRICALS LIMITED
BOILER AUXILIARIES PLANT
RANIPET – 632 406

01. I / We have gone through the Tamil Nadu Building practices volume I and III.
02. I / We have gone through the BHEL General Specifications and Special Conditions incorporated under “STRUCTURAL STEEL CONSTRUCTION”.
03. I / We have worked out the rates based on the cement adequacy given in the cement consumption statement.

CONTRACTOR / TENDERER

ACCEPTING OFFICER

ISSUE OF STORES MATERIAL TO THE CONTRACTOR (FORMS PART OF THE CONTRACT)

FOR ALL MATERIALS LIKE CEMENT, REINFORCEMENT STEEL, STRUCTURAL STEEL AND AC SHEET ETC., TRANSPORTING AND HANDLING TO WORK SITE SHALL BE TO THE CONTRACTOR'S ACCOUNT.

(A) CEMENT:

01. Ordinary / Pozzalona Portland cement will be issued by BHEL from stores in Gunny / Polythene / Paper bags recoverable from the contractor at the issue rate specified.
02. For the purpose of computing weight for issue to contractor by bags, each bag will be reckoned at 50 Kgs.
03. Recovery rate of cement is inclusive cost of Gunny / Paper / Polythene bags. The empty bags will remain as the property of the contractor and need not be returned to BHEL.
04. If the contractor considers that consignment of cement received from BHEL is not upto the specifications, he can have them tested at his cost and report the results to the Engineer-in-charge so that the matter can be taken up with the suppliers. Such consignment of cement must be kept aside separately and shall not be used on the work.
05. Cement adequacy indicated in "Cement Consumption Statement " is inclusive of wastage. However, Wastage allowable upto 5% on this work will be considered for single recovery beyond which penal recovery at 100% more than the issue rate will be enforces.
06. The reconciliation of issue and consumption will be based on "Cement Consumption Statement " which forms part of this contract. For reference the cement consumption statement is kept in the office of the Addl. General Manager/Civil Factory & Township.
07. If the cement issued to the contractor are damaged / lost the recovery will be made at penal rates which shall be 100% more than the issue rate.
08. If the contractor requires cement for his enabling works as certified by the Engineer-in-charge, it shall be issued at BHEL stores on single recovery basis at the issue rate specified in the contract. The quantity so issued shall be at the discretion of Engineer-in-charge.

CONTRACTOR / TENDERER

ACCEPTING OFFICER

(B).REINFORCEMENT STEEL

01. Reinforcement steel (CTD & MS Rounds) will be issued from BHEL stores section wise, at random lengths commercially available and by weight recoverable from the contractor at the issue rate specified.
02. The cost of all cuttings, conversion or substitution as well as wastage shall have to be borne by the contractor.
03. Measurements will be made for payment, section wise, linear length and converted to weight by considering the standard sectional weight / RM as given in the relevant IS standards.
04. The Contractor shall return all the scrap to the disposal stores at his own cost. Bent rods will also be taken as scrap only, irrespective of their length. The maximum permissible limit of scrap without recovery is 5% of the actual consumption. Should the quantum of returned scrap exceeds 5% of actual consumption, the excess over 5% will be charged for and recovered at twice the issue rates. The quantity of steel rods not accounted for will be recovered at punitive rates which will also be twice the issue rates.
05. The reconciliation of issue and consumption will be made section wise and allowable wastage will also be worked out accordingly. Any variation between standard weight and the actual weight on account of the rolling variations the same will be allowed. The percentage limit given for the wastage is the upper limit and it is only to ensure proper planning in cutting the steel and it does not entitle to automatic consideration of the percentage for reconciliation purposes when the actual wastages section wise is less.
06. If steel issued to the contractor are damaged / lost, recovery will be made at penal rates which will be 100% more than the issue rate.

(C). STRUCTURAL STEEL

01. The structural steel materials will be issued free of cost from BHEL stores at random lengths and sizes as stocked by BHEL and the cost of all cuttings, conversion, or substitution as well as wastage shall have to be borne by the contractor.
02. All surplus raw steel remaining with the contractor shall be returned to BHEL stores at his own cost, after completion of fabrication, in the form of full lengths, useful cut bits and scrap. The following yardstick will be adopted for the purpose of classification of scrap and useful cut bits.

CONTRACTOR / TENDERER

ACCEPTING OFFICER

- | | | | |
|---------|--|-------------------------------------|---------------------------------|
| 03. (i) | Mild steel and alloy steel plates and sheets | 500x500mm. | Useful
and above
cut bits |
| (ii) | Mild steel and alloy steel plates and sheets | Less than
500x500mm | Scrap |
| (iii) | Structurals | one meter &
above in | Useful
cutbits |
| (iv) | Structurals | Less than
one metre
in Length | Scrap |

04. All scrap shall be returned to BHEL stores based on their actual weight and useful cut bits / full lengths section wise with their section weights. The labour employed for segregation of scrap from useful cutbits will be at the cost of the contractor.

05. The invisible (non-returnable) Wastage should not exceed a maximum of 2% by weight of fabricated steel work and the returnable wastage generated by way of scrap shall not exceed 3% by weight of fabricated steel . Every care should be taken to see that raw steel is utilized most economically by preparing necessary cutting plans and getting them approved from Engineer-in-charge.

06. Should the quantum of invisible wastage exceeds 2% permissible limit, recovery at two (2) times the issue rate (which will be evaluated on an average cost per tonne basis considering the total raw steel materials issued) will be effected from the contractor's bill for the excess quantity of wastage involved.

07. If the quantum of scrap exceed 3% permissible limit recovery at two (2) times the issue rate will be effected from the contractor's bill for the excess quantity of scrap involved. The Contractor shall submit a material tallying statement on completion of the work indicating the details of quantities of each material (section by section) received, quantities used for fabrication as per DOD lists, quantity returned in full lengths, useful cut bits and scrap and the quantity reckoned as invisible wastages.

CONTRACTOR / TENDERER

ACCEPTING OFFICER

(D). AC SHEET

AC materials will be issued by BHEL at BHEL stores free of cost. The Contractor shall arrange for drawing the same, transporting, cutting to size and fixing including supply of all GI bolts / GI washers / Bitumen Washers and nuts etc., complete of approved quality. The Contractor shall take all reasonable care not to damage the AC materials during the transport / cutting to size / erection. However a breakage allowance of max. 3% of the total materials used category wise will be allowed and will be recovered at this issue rate specified.

(E). ISSUE OF BUILDING MATERIALS ON CONTRACTOR'S REQUEST

If any other building material not contemplated for issue by BHEL but for incorporation in the work is required by the contractor, the same will be issued on his written request at the purchase rate / prevailing market rate whichever is higher adding 30% departmental charges. Subject to availability the issue of such materials will be decided by the Engineer-in-charge.

CONTRACTOR / TENDERER

ACCEPTING OFFICER

BHEL : BAP ; RANIPET

WORKS CONTRACT - VARIOUS STATUTORY REQUIREMENTS - SPECIAL CONDITIONS

All the works contract in BHEL will be governed by the following statutory regulations

01. The rate indicated in the schedule here include PF & ESI etc.,
02. Since with effect from 01.11.1990 PF becomes applicable for engagement of a worker even FOR A SINGLE DAY, deduction of PF by the contractor has to be ensured. The contractor has to remit the PF dues of the workers before the submission of the Running account bill. The PF code number will be allotted by BHEL.
03. The list of No. of employees who are to be engaged with details of their names, age, father's name etc., and their daily attendance have to be maintained by the contractor.
04. The contractor has to ensure payment of the statutorily prescribed minimum wages as applicable from time to time and maintain proper records of their timely disbursement. These records would need to be preserved and made available even after the contract is over for any verification by the various statutory authorities.
05. Proof of deduction as well as remittance of the PF dues to the appropriate authorities has also to be shown and proper records maintained.
06. Similarly the contractor should cover all his workers (including that of Sub - contractor's workers) under ESI scheme and the ESI code number will be allotted by BHEL. The contractor shall be asked to furnish along with the bill each month details in the following format for having effected payment of both deduction / contribution towards PF / ESI to the concerned statutory authorities.

(.....2)

Contractor / Tenderer

Accepting Officer

**DETAILS OF WORKERS EMPLOYED BY THE CONTRACTOR
FOR THE MONTH OF**

Sl No.	Name of the Contract Worker	No of days worked	Wages paid for days worked	Amount of PF deducted	Amount of ESI deducted
(01)	(02)	(03)	(04)	(05)	(06)
	Amount of payment of PF to authorities	Voucher Ref (copy attached)	Amount of ESI contribution paid	Voucher Ref (copy attached)	
	(07)	(08)	(09)	(10)	

07. The tenderer has to furnish proper returns to the concerned statutory authorities.
08. The tenderer has to ensure that all the required information in the tender are to be furnished, failing which BHEL reserves the right to reject the offer.
09. The contractor has to submit Sales Tax Registration No., irrespective of their liability, if any.
10. The first running bill will be released only on production of the following documents
(i) ST Registration No., (ii) Labour Licence No.,
11. The final payment will be released only on production of clearance certificate from PF, ESI and assessment orders from the Commercial Tax authorities concerned.

Contractor/Tenderer

Accepting Officer