

<b>TENDER DOCUMENT (PRICE BID)</b>	
<b>Name of work</b>	: NEW MAIN PANEL, MAIN CONTROL PANELS INSTALLATION AND NEW CABLING IN ALL OVER BHEL MAIN HOSPITAL,TRICHY-14
<b>Tender Schedule No</b>	: CT:TS:003/20-21
<b>Estimate / Tender Value</b>	: <b>Rs. 7,86,500 (Excluding GST)</b>
<b>EMD</b>	: <b>Rs.15,730</b>
<b>Period of Contract</b>	: <b>12 (Twelve) Months</b>
<b>Date of Notification</b>	: <b>23.09.2020</b>
<b>Last Date of Receipt of Tender</b>	: <b>01.10.2020 @ 10:00 hrs.</b>
<b>Issued to</b>	:
<b>Date of Tender Opening</b>	: <b>01.10.2020 @ 10:00 hrs.</b>

**Important Note:**

**EMD EXEMPTION WILL NOT BE ALLOWED TO MSME / NSIC VENDORS** for works contract. This tender is categorized as a work contract. Hence Tenderers are compulsorily need to remit the required **EMD** in order to participate in the Tender. Tender without corresponding EMD will be summarily rejected and will not be considered for any reasons.

**SCHEDULE 'A'****LIST OF WORKS AND PRICES**

**NAME OF WORK:** NEW MAIN PANEL, MAIN CONTROL PANELS INSTALLATION AND NEW CABLING IN ALL OVER BHEL MAIN HOSPITAL,TRICHY-14

I / We \_\_\_\_\_ have read the condition of tender attached hereto and agree to abide by such conditions. I / We offer to execute the works in **T.S No. CT: TS: 003/ 21- 21** for a period of **15 (Fifteen) months** at the percentage below / at par / above the rates contained in Bill of Quantities appended below from **Page No. 3 to 5**

I / We further agree to sign an Agreement Bond to abide by the General Conditions of Contract and to carry out all works according to the specifications for materials and works of Bharat Heavy Electricals Limited, Tiruchirappalli-620 014. In case of acceptance of the tender by the BHEL, I / We bind myself / ourselves to execute the contract documents within 7 days after notice that my/our tender has been accepted and this contract has been awarded to menus and thus failing which I / We shall have no objection to the forfeiture of the Earnest Money amount to **Rs. 15730** lodged with Bharat Heavy Electricals Limited, Tiruchirappalli - 620 014.

I / We further agree to include all tools & plants and consumables required for the work in my / our scope but required power and water will be provided at one point by BHEL at free of cost and based on this, we have quoted our percentage.

**Note:** Details & Quantities of each item of work shown in the BILL OF QUANTITIES are only approximate and the same is appended below. They are given as a guide for the purpose of tendering only and are liable to variation and alteration of the Competent Authority. The work under each item as executed shall be measured and priced at the overall percentage quoted by the contractor Below (100 - X %) / At par (100 %) / Above (100 + X %) of the rates provided in Bill of Quantities appended below from **Page No. 3 to 5**.

Sl. No.	Approx. Value of work	Common single Percentage Rate (Below (100 - X)% / At Par (100%) / Above (100 +X) %) to be quoted with respect to the rates provided in the Bill of Quantities (all items as enclosed in the Price Bid of the Tender Document) from <b>Page No. 3 to 5</b> .	
		In Figures	In Words
1.	<b>Rs.7,86,500 =(100%) (Excluding GST)</b>		

**CIVIL ENGINEERING DEPARTMENT (TOWNSHIP), BHEL, TRICHY - 14**

**BHE: P: C: T: 09:**

**Dt. 23 09 2020**

**Note: BHEL estimate rates are given below. Contractor has to quote the overall percentage only {Below (100-X %) / At par (100%) / Above (100+X %)} at page No. 2 both in figures and in words**

**BILL OF QUANTITIES**

**Name of work:** NEW MAIN PANEL, MAIN CONTROL PANELS INSTALLATION AND NEW CABLING IN ALL OVER BHEL MAIN HOSPITAL,TRICHY-14

<b>Sl.No</b>	<b>Description of work</b>	<b>Qty</b>	<b>Unit</b>	<b>Rate (Rs)</b>	<b>Amount (Rs)</b>
1	<p>Erection, Testing and commissioning of floor mounting cubicle type main incomer MV panel made up of 14 SWG MS CRCA sheet approx size of 3800mm X 1800mm X 1600mm with supply of required foundation bolts, grouting, earthing, cementing etc., including shifting of panel by crane and writing cable size &amp; location details in appropriate places on the panel cover.</p> <p><b>EB Incomer:</b> 2 Nos of 1000A, 4P, 50 KA, Manual draw out type &amp; Thermal Magnetic Based, true, trip free, electrically operated spring closed type Air Circuit Breaker.</p> <p><b>DG Incomer:</b> 1 No 1000A, 4P, 50 KA, Manual draw out type &amp; Thermal Magnetic based, true, trip free, electrically operated spring closed type Air Circuit Breaker.</p> <p><b>Outgoing:</b> 4 Nos of 4P 630A 50 kA MCCB Before erection all the panel inner wirings should be checked up for its proper tightness. The panel including necessary integral base MS Channels / Angles and any cable trench alteration with EB co-ordination.</p>	1	SET	51000	51000

CONTRACTOR

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ACCEPTING OFFICER

**CIVIL ENGINEERING DEPARTMENT (TOWNSHIP), BHEL, TRICHY - 14**

**BHE: P: C: T: 09:**

**Dt. 23 09 2020**

<b>Sl.No</b>	<b>Description of work</b>	<b>Qty</b>	<b>Unit</b>	<b>Rate (Rs)</b>	<b>Amount (Rs)</b>
2	Erection, Testing and Commissioning of floor mounting Industrial type panel made up of 14 SWG MS CRCA sheet approx size of 2800mm X 1800mm X 1300mm with supply of required foundation bolts, grounding, earthing, cementing etc., including shifting of panel by crane and writing cable size & location details in appropriate places on the panel cover. EB Incomer: 1 No of 630A, 4P, Switch fuse unit Out going: 5 Nos of 250A switch fuse unit and 8 Nos of 200A switch fuse unit. Before erection all the panel inner wirings should be checked up for its proper tightening. The panel including necessary integral base MS channels/ Angles and anycable trench alteration with EB co-ordination.	4	SET	45000	180000
3	Removing of existing industrial type 1 No MV panel & 4 No's SUB panels including removing of all cables, terminations, switches etc., with removed panel handing over the incharge electrical including transportation, crane charges etc. Also temporary disconnections and reconnections required to make minimum power outage.	1	LS	55000	55000
4	Laying of 1No PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required.				
A	1R X 3.5C X 300 Sqmm Aluminium Armoured cable	550	M	140	77000
B	1R X 3.5C X 185 Sqmm Aluminium Armoured cable	450	M	100	45000
C	1R X 3.5C X 95 Sqmm Aluminium Armoured Cable	700	M	100	70000
D	1R X 3.5C X 50 Sqmm Aluminium Armoured Cable	1000	M	100	100000
E	1R X 3.5C X 35 Sqmm Aluminium Armoured Cable	250	M	100	25000

CONTRACTOR

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**ACCEPTING OFFICER**

**CIVIL ENGINEERING DEPARTMENT (TOWNSHIP), BHEL, TRICHY - 14**

**BHE: P: C: T: 09:**

**Dt. 23 09 2020**

<b>Sl.No</b>	<b>Description of work</b>	<b>Qty</b>	<b>Unit</b>	<b>Rate (Rs)</b>	<b>Amount (Rs)</b>
5	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required				
A	1R X 3.5C X 300 Sqmm Aluminium Armoured cable	30	NO	1150	34500
B	1R X 3.5C X 185 Sqmm Aluminium Armoured cable	24	NO	850	20400
C	1R X 3.5C X 95 Sqmm Aluminium Armoured cable	36	NO	750	27000
D	1R X 3.5C X 50 Sqmm Aluminium Armoured Cable	72	NO	350	25200
E	1R X 3.5C X 35 Sqmm Aluminium Armoured Cable	30	NO	300	9000
6	Providing earth electrodes as per IS standard excavation of earth , the electrode should be of 50mm dia GI pipe class 'B' length 2500mm with supply and filling of charcoal, salt around the electrode, construction of massonary chamber an cover etc.	10	NO	3500	35000
7	Supply and laying of 50mm X 6mm GI earth flat in formed / excavation trench / wall between the earth pit and panels.	100	M	324	32400
<b>GRAND TOTAL = 7,86,500</b>					

**Rupees Seven Lakhs Eighty Six Thousand Five Hundred only**

**CONTRACTOR**

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**ACCEPTING OFFICER**