

# **Bharat Heavy Electricals Limited**

**High Pressure Boiler Plant  
Tiruchirappalli – 620 014. India  
Civil Engineering Department (Factory)**

## **TENDER DOCUMENT (PRICE BID)**

**Name of work** : Laying of second lane road from 24 Building roundana to Nehru Nagar roundana in New Plant area under CAS Phase II.

**Value of work** : Rs. 242.00 Lakh

**Tender Notice No.** : 01/09-10

**Tender Schedule No.** : 03/09-10

**Period of Contract** : 3 Months

**Issued to** :

**PRICE BID**

**SCHEDULE 'A'**

**LIST OF WORKS AND PRICES**

**NAME OF WORK:** Laying of second lane road from 24 Building roundana to Nehru Nagar roundana in New Plant area under CAS Phase II.

DETAILS & QUANTITIES of each item of work shown in the BILL OF QUANTITIES are only approximate. 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 corresponding rate quoted by the contractor in the BILL OF QUANTITIES

Sl.No.	Description of work / supplied	Total amount of work / supplies (in figures and words)		Period of contract
		Rs.	Ps.	
1.	Laying of second lane road from 24 Building roundana to Nehru Nagar roundana in New Plant area under CAS Phase II.	242,00,000/-		<b>THREE (3) MONTHS</b>

**BILL OF QUANTITIES**

Sl. No.	Appx. Qty.	Description of work	TNBP No.	Rate (Both in Unit fig & Words)	Amount	
					Rs.	Ps.

AS PER SEPARATE SHEETS ATTACHED CONTAINING **3** PAGES

FROM SERIAL No. **2** to **4**

CONTRACTOR

2

ACCEPTING OFFICER

BHARAT HEAVY ELECTRICALS LIMITED  
TIRUCHIRAPPALLI - 14

BILL OF QUANTITIES

**NAME OF WORK:** Laying of second lane road from 24 Building roundana to Nehru Nagar roundana in New Plant area under CAS Phase II.

Sl. No.	Quantity	Description of work	Rate (both in figures and in words)	Unit	Total Rs. P.
1		Supply, spreading and laying to proper line, level, camber and grade with granite stones of following sizes for first or second layer of metaling for a thickne4ss of 75mm including sectioning to camber, rolling dry with power roller, also supply and spreading gravel 25mm thick for blindage, watering and consolidating the surface with power roller etc., all as per standard specifications. Rate includes cost of all materials, labour, contractor's power roller charges etc., complete			
a)	25500	IRC graded stone aggregates of size range from 63 mm to 45 mm		Sq.m.	
b)	25500	IRC graded stone aggregates of size range from 53 mm to 22.4 mm		Sq.m.	

CONTRACTOR

ACCEPTING OFFICER

Sl. No.	Quantity	Description of work	Rate (both in figures and in words)	Unit	Total Rs. P.
2	51000	Providing and applying tack coat including heating the bitumen in boiler, labour for preparing the surface, spraying the bitumen as tack coat, hire and running charges for all tools & plants and all other incidentals etc., complete. Over bituminous surface / WBM using 5 K.G of bitumen (grade 80/100) per 10 SQM area.		Sq.m.	
3	2550	Providing 50 mm consolidated thick bituminous macadam over bituminous surface using IRC grade metal of 0.35 Cu.m of 25 to 12 mm, 0.21 cu.m of 12 to 6 mm & 0.14 Cu.m of 6 mm and below for 10 Sq.m with 40 kg of bitumen for premixing, including handling charges at CMP site, labour for loading the bitumen in bitumen tank and metal to feed units, labour for attending to paver site, heating & mixing the bitumen and metal to the required temperature in the central hot mix plant, conveying the mix by tipper to paver site, spreading the mix in required temperature & thickness with mechanical paver to the specified grade and cross section, consolidation by power roller to get the required density, including hire charges for CMP, paver finisher, tipper, power roller, bitumen boiler, all other tools and plants, incidental charges such as barricading, provision of danger lights etc., complete. Rate includes cost of metal, bitumen, hire and running charges for tools & plants and all other incidentals etc., complete. Payment will be made on pre level & post level measurements.		Cu.m.	

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Sl. No.	Quantity	Description of work	Rate (both in figures and in words)	Unit	Total Rs. P.
4	1020	Providing semidense carpet of 40 mm consolidated thickness using machine crushed IRC size HBG metal 0.16 Cu.m of 13.20 mm, 0.256 Cu.m of 11.20 mm and 0.176 Cu.m of 5.60 mm & below for 10 Sq.m with 49.60 kg of bitumen for premixing for 10 Sq.m of 40 mm consolidated thickness of semidense carpet, including cost of bitumen, handling charges, labour for loading the bitumen in bitumen tanks & metal in feeder units, labour for attending paver units, heating & mixing the bitumen and metal to the required temperature in the central hot mix plant, conveying the mix from CMP site to work site by tipper, spreading by the paver finisher to the required grade and cross profile & consolidation by power roller, including hire and running charges for CMP, paver finisher, tipper, power roller, bitumen boiler and all other tools & plants and all other incidental charges etc., complete. Rate includes cost of metal, bitumen, labour, hire and running charges for tools and plants and all other incidentals etc., complete. Payment will be made based on pre level and post level measurements.		CUM	
<b>TOTAL .. ..</b>					
( RUPEES..... )					

CONTRACTOR

ACCEPTING OFFICER

## SCHEDULE 'B'

1. The following materials will be issued FREE of cost to contractor at BHEL Stores / Stock yard.

SI.No.	DESCRIPTION	PLACE OF ISSUE
1	Cement	BHEL STORES or Stock yard
2	M.S Rounds, C.T.D Bars & Structural Steel, rails and all railway materials	BHEL STORES or Stock yard
3	A.C. / Galvalume / Polycarbonate Sheets	BHEL STORES or Stock yard

2. It will be the responsibility of the Contractor to submit his demands for the above stores in writing atleast seven days in advance of the actual requirement.
3. Issue of Stores is subject of the availability at the place of issue cited above, items of stores to be issued by BHEL which are not available at the time of indenting by the contractor may be supplied by BHEL after necessary procurement. The contractor shall not be entitled to any claim of compensation for delay in the supply of stores by BHEL under any circumstances.
4. The materials will be issued only during the working hours of the BHEL Stores Department ( 8.00 a.m. to 4.30 p.m. ). Contractor shall have to transport them as soon as they are issued to him to the site of work at his own cost.
5. The steel materials if issued will be in random lengths and sizes as stocked by the BHEL and the cost of all cutting, conversion, substitution and fabrication as well as wastage shall have to be borne by the Contractor.
6. The contractor shall from time to time render proper account of all materials issued to him by BHEL. If he fails to do so, no further issue of materials will be made to him and he will be held responsible for any delay in the execution of the work which may occur on this account.
7. Where A.C. Sheets and accessories, Doors, Windows, Sanitary fittings, Special glasses or other items are issued free of cost to the contractor, the contractor will have to make good at his own cost any loss or damage to any part or whole of the items issued to him as above. All wastage within the premises limits as fixed by BHEL will be charged for at the prescribed issued rates of BHEL. Excess wastage will be charged for at punitive rates which will be 100% higher than the issue rates.
8. All surplus materials in good condition which are not returned to the BHEL Stores as also quantities of materials consumed in excess of the max. permissible limit as fixed by BHEL shall be charged for at punitive rates.

The decision of the Senior Engineer / Dy. Manager / Manager as to the extent to which materials have been rendered surplus or consumed in excess of the actual requirements shall be final and conclusive and binding on the contractor.

**SCHEDULE 'C'**

**ISSUE OF TOOLS AND PLANTS TO CONTRACTORS**

Sl.No.	Qty.	Particulars	Details of BHEL Crew Supplied	Hire Charges Per unit Per Day	Place of Issue	of	Remarks
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.....Nil.....

a. Machineries shall not be operated over time without the written permission of the Sr. Engineer / Dy. Manager / Manager.

b. All Coolies, Watermen etc., required in addition to BHEL crew mentioned in column 4 above shall be arranged by the contractor at his own expense.

**SCHEDULE 'D'**

NOTE : All Drawings are to be signed by the Contractor as well as the officer entering into contract.

SL.No.	DRAWING NUMBER	DESCRIPTION
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--NIL--

**SCHEDULE 'E'**

**LEAD STATEMENT**

Sl.No.	Name of Material	Name of Source	Lead Particulars both for Factory and Township
	--NIL--		

C.A.....Date .....  
(To be used in conjunction with BHE Ltd., General Conditions of Contract )

### AUTHORITY TO TENDER

Tender Notice No. 01 / 09-10

Office of the  
ADDL GENERAL MANAGER / CIVIL /  
PLANNING & PROJECTS  
BHARAT HEAVY ELECTRICALS LIMITED  
TIRUCHY – 14.

Tender Schedule No. 03 / 09-10

**Item rate tender for work required in “Laying of second lane road from 24 Building roundana to Nehru Nagar roundana in New Plant area under CAS Phase II.”**

Messrs / Mr. ....

.....of.....

are / is hereby authorized to tender for the above work. The Tender is to be delivered at the Office of the ADDL.GENERAL MANAGER / CIVIL / PLANNING / (FACTORY) Bharat Heavy Electricals Limited Unit, Thiruverumbur, Tiruchirappalli – 620 014, **upto 14.30 hrs. on 22.07.09** addressed to the Addl. General Manager / Civil / Planning & Projects, BHEL. Tiruverumbur, Tiruchirappalli – 620 014 superscribing the name of work as mentioned above.

Any correspondence concerning this tender should be addressed as indicated above quoting the Tender Notice, Schedule No. and other relevant particulars.

**BHARAT HEAVY ELECTRICALS LIMITED DO NOT BIND THEMSELVES TO ACCEPT THE LOWEST OR ANY TENDER.**

Issuing Officer with  
Designation

Contract Agreement No.....

**TENDER**

To

The Addl. General Manager/Civil/Factory & Projects  
Bharat Heavy Electricals Limited  
Unit : Tiruverumbur  
TIRUCHIRAPPALLI – 620 014.

I / We hereby offer to carryout the work of **“Laying of second lane road from 24 Building roundana to Nehru Nagar roundana in New Plant area under CAS Phase II.”**

I / We hereby carefully perused the following documents connected with the above noted work and agree to obide by the same.

- 1.Specifications (General & Particular )
- 2.Drawings
- 3.Schedule ‘A’, ‘B’, ‘C’, ‘D’ & ‘E’
- 4.Schedule of Rates
- 5.BHE Ltd., General & Special Conditions of Contract, Tender Notice and Instructions to Tenders attached hereto.

I / We forward herewith the sum of Rs.....as Earnest Money, which shall be refunded should this tender be rejected. I / We further agree to deposit such sum which along with the sum of Rs.....mentioned above shall make up 50% of the fully Security Deposit for this work as provided for under conditions of the BHARAT HEAVY ELECTRICALS LIMITED General Conditions of Contract.

I / We further agree to execute all the work referred to in the said documents upon the terms & conditions contained or referred therein and as detailed in Schedule ‘A’ and Bill of Quantities annexure thereto and to carry out such deviations as may be ordered, vide conditions 6 of the BHEL Ltd., General Conditions of Contract upto a maximum of 20% of the tendered amount of Rs.....

I / We further agree to refer all disputes, as required by condition 62 of the General conditions of Contract to the sole arbitration of an Officer, to be appointed by the General Manager, B.H.E Ltd., in his sold discretion whose decision shall be final and binding.

**WITNESS**

Signature of the Contractor

Date :

- 1. ....
- 2. ....

**GENERAL SUMMARY**

1.	(a) Net Cost of works or building etc., from Schedule 'A'	Rs.	
2.	Provisional sum	Rs.	
			.....
	Total	Rs.	
			.....

Rupees.....  
.....  
.....

Shri..... in  
the capacity of .....  
has been duly authorized by me / us to sign the tender for and on behalf of  
.....

( in block letters )

Date :

SIGNATURE OF CONTRACTOR

Witness :

Postal Address :

1.....  
Address

Telephone No.

2. ....  
Address

..... alterations have been made in the Tender Document and as evidence that these alterations were made before the execution of contract agreement, they have been initialed by the Contractor and the .....

.....the said officer is hereby authorized to sign and initial on my behalf the documents forming part of this contract (Number of alternation in figures and words to be given here)

The above tender is accepted by me on behalf of the Bharat Heavy Electricals Limited, Unit: Thriuverumbur, Tiruchirappalli – 620 014. for a sum of Rs.....

.....

.....

at the percentage rates as indicated in Schedule 'A'.

Signature .....Date.....

Designation .....