

**BHARAT COKING COAL LIMITED,
(A SUBSIDIARY OF COAL INDIA LIMITED),
OFFICE OF THE GENERAL MANAGER,
SIJUA AREA.**

Ref.No.GM:SA:Engg.:Tender:447 :11:3776

Dated 18/10/2011

TENDER NOTICE

Sealed tender is hereby invited in two parts (Technical and Price Bid) from experienced, reputed valid licentiate and eligible firms for taking up the following works.

Sl. No..	Name of Work	Estimated Cost (Rs.)	Earnest Money	Cost of Tender Paper	Time of completion.
1.	For installation of Surge Protector for single phase power supply, to Protect Load Cells, Digitizer etc. from heavy lightening and maintenance free earthing at 03 Road Weigh Bridges of Sijua Area (Details in Annexure "A" enclosed herewith)	₹3,78,200/-	1%	Rs.500/-	Within 45 days from the date of issue of work order.

Tender document may be had from office of the Area Manager(E&M), Sijua Area during office hours on payment of **Rs.500/-** in cash)Non-refundable with cashier from 18/11/11 to 25/11/2011

Tender will be received upto **3.00 p.m.** on 28/11/2011 and will be opened on the same day at 4.00 p.m. on 28/11/11 in the office of the Addl.G.M.. No tender will be issued or submitted by postal means.

Tender should be submitted in two sealed envelopes marked **"Technical Bid" & "Price Bid"** within one sealed envelope super scribing NIT No. With date of opening.

ELIGIBILITY CRITERIA:

- 1) Average Annual Financial turnover of similar works during the last 3 years, ending 31st march of the previous financial year, should be at least **30%** of the estimated cost.
- 2) The intending Tenderer must have experience of having successfully completed similar works during last seven years ending last day of month previous to the one in which application are invited (i.e. eligibility period) should be either of the following:-
 - a)Three completed works each costing not less than the amount equal to **40%** of the estimated cost.

Or

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b)Two Similar completed works each costing not less than the amount equal to **50%** of the estimated cost.

Or

c)One similar completed work each costing not less than the amount equal to **80%** of the estimated cost.

Note: 1) Provision under eligibility criteria under Sl.No.2 shall also include those similar works that have been started earlier than eligibility period of tender but completed during the eligibility period as per NIT.

2)As per eligibility criteria specified under Sl.No.2 prequalification should be done based on experience of the successfully completed works and not on experience of works in progress.

3.) Completed sealed tender (Part-1 & Part-II), Technical Bid part-1 & Price Bid Part-II, should be submitted on or before **3.00 p.m.** in the office of the undersigned and will be opened on the same day **4.00 p.m.** in the presence of intending tenderes or their authorised representative. Only part-I will be opened on 28/11/2011 and part-II will be opened only after acceptance of Part-I (Technical bid).

4. Management of BCCL reserves the right to reject any or all of the tenders without assigning any reasons what so ever and to split up and distribute the work among the Tenderes.

5. Earnest money should be deposited in the form of cash or Bank Draft of local Nationalized Bank in favour of **Bharat Coking Coal Limited payable at Dhanbad**. Proper money receipt should be enclosed with the tender documents (Part-I). Without this, tender will be rejected.

6. Issuance of tender documents does not mean that the parties are considered qualified. Late or delayed tenders will not be accepted.

7. Experience as given in the eligibility criteria should be in the name and style of firm in which tender is filled. Experience in some other firm/company will not be considered for this purpose.

8. The validity of tender will be 120 days from the date of opening of price bid or revised price bid if any.

9. Conditional tenders will not be considered.

10. The complete Bid documents will be available on BCCL website "**<http://bccl.cmpdi.co.in>**" for the purpose of down loading and tender submitted on such down load bid documents shall be considered valid for participating in the tender process.

11. The bidders who will down load the tender documents from the website of the company, will be required to pay the cost of tender paper (Application fee) by Bank Draft as per NIT, at the time of submission of tenders.

12. The bidders will be required to submit an undertaking that they will accept the tender documents as available in the website and their tender shall be rejected if any tampering in the tender documents is found to be done at the time of opening of tender.

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13. The Bank Draft towards the cost of tender documents (Application Fee) shall be submitted in a separate envelope marked "Cost of Tender Documents" and not with part-I/EMD.

14. In case of any discrepancy between the tender documents down loaded from the website and the master copy available in the office, the later shall prevail and will be binding on the Tenderers. No Claim on this account will be entertained.

15. Security deposit: The Security deposit shall be 5% of the contract value. In case of successful tenderer, the EMD shall be converted to Deposit and refunded on successful completion of the guarantee period. If the EMD falls short of 5%, the balance amount shall be deposited by the tenderer within 10 days of the award of work.

16. Payment terms : Within 30 days of successful completion of job.

17. Payment Authority : Area Finance Manager, Sijua Area.

18. PAN, Number/Service Tax Regd.No., are to be submitted in Part-I (Technical Bid) along with the Tenders. All the documents being submitted with the Technical Bid should carry affidavit of Notary Public.

19. Refund of EMD : EMD of unsuccessful tenderers will be refunded after award of Work Order against this tender.

20. Penalty : ½% of contract value per week of delay subject to maximum 5% of the total contract value.

21. Inspection : Area Manager(E&M) Sijua Area or his representative.

22. Guarantee : The contractor/Firm has to stand guarantee for a minimum period of 6 (six) months for trouble free service of the jobs carried out by him after successful completion & handing over of the awarded work.

23. Bank details in prescribed format must be furnished along with the tender for payment purposes as no cheques will be issued to the party by the Finance Department.

**AREA MANAGER(E&M),
SIJUA AREA**

Distribution:-

1. The Executive Director(Vigilance), Koyla Bhawan.
2. C.G.M.(E&M), Koyla Bhawan.
3. G.M., Sijua Area.
4. G.M.(System), Koyla Bhawan --- **For publication in website.**
5. All Area Manager(E&M), BCCL, All Areas – **For wide circulation,**
6. Addl.G.M., Sijua Area.
7. A.F.M., Sijua Area.
8. Notice Board.

ANNEXURE “A”

Specifications related to lightening & Surge protection system.

1. CLASS B PROTECTION (STAGE-I)

KEY FEATURES OF THE ARRESTERS ARE AS FOLLOWS:-

- I) Triggered spark gap.
- II) Low protection level.
- III) High line follow through current quenching capacity of 50 KA.
- IV) Active Energy Control.

Specification	Line of Neutral	Neutral to Earth
Nominal Voltage Up	230V AC	230V
Maximum Continuous AC Voltage	≤350V AC	≥255V
Lightening impulse current (10/350 mic.sec.) Imp	50KA	100KA
Nominal Discharge Current (8/20 mic.sec.) in	50KA	100KA
Voltage Protection Level Up	<0.9KV	<1.5KV
Follow Current Extinguishing capability	>50 KA rms	>100 KA rms
Response Time	< 100 ns	< 100 ns
Mount On	DIN rail	DIN rail

2. C-CLASS IIND STAGE PROTECTION

Specification	Line to Neutral	Neutral to Earth
Nominal Voltage Up	277V	230V
Arrester Rates Voltage UC	≥335V	320V
Nominal Discharge Current (8/20 mic.sec.) in	20KA	20KA
Maximum Discharge Current (8/20 mic.sec.) Imax	40KA	40KA
Voltage Protection Level up	≤1.6KV	<150V
Residual Voltage	≤1.35KV	<100 ns
Response Time ta	≤25 ns	<100 ns
Mount on	DIN Rail	DIN rail
Failure indication	Available	Available
Plugability	Mandatory	Mandatory

3. CLASS-D TYPE PROTECTION (STAGE-III) FOR LOAD CELL

Nominal Voltage (Un)	12V DC
Arrest Rated Voltage (Uc) DC/AC	13V/9V DC
Rated Load Current (II)	300mA
Nominal Discharge Current Core-core/core-PE	10 kA
Residual Surge Current (In) 8/20 mic.Sec.	20KA
Voltage Protection Level at 1Kv/ (UP)	≤18V
Response Time (Ta)	≤1 ns
Plugability	Mandatory

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FOR MAINTENANCE FREE EARTHING.

- | | | |
|------|-----------------|-------------------|
| i) | Earth Electrode | :- 3000 mm (long) |
| ii) | Out dia | :- 80 mm |
| iii) | Inner Dia | :- 40 mm |
| iv) | Terminal Dia | :- 14 mm |

Backfill compound mixture of 25Kg. bag to increase soil conductivity

16 sq.mm flexible copper cable.

Installation of Earthing system.

AREA MANAGER(E&M),
SIJUA AREA

BILL OF QUANTITY.

Sl.No.	Job Description	Quantity	Rate	Amount
A. <u>FOR NICHITPUR ROAD WEIGH BRIDGE</u>				
I.	Power supply protection box, lightening arrestor and surge protector for single phase supply as per specification.	01 Set		
ii.	Protection for load cells x 4 & digitizer x 1 & other attachment	05 Nos.		
iii.	Maintenance free earthing i) Earthing Electrode	03 Mtrs.		
	ii) Back fill compound			
	iii) Cu.cable 30mtr(165/m.)			
	iv) Installation charges			
B. <u>FOR PANDEYDIH ROAD WEIGH BRIDGE :</u>				
I)	Power supply protection box, lightening arrestor and surge protector for single phase supply as per specification	01 Set		
ii)	Protection for load cells x 4 & digitizer x 1 & other attachment	05 Nos.		
	Maintenance free earthing i) Earthing Electrode	03 mtrs.		
	ii) Back fill compound			
	iii) Cu. Cable 30 mtr.(165/m)			
	iv)Installation charges			
C. <u>FOR LOYABAD ROAD WEIGH BRIDGE:</u>				
i)	Power supply protection box, surge protector for single phase supply	01 Set		
ii)	Protection for load cells x1 & digitizer x 1 & other attachment	02 No.		
iii)	Maintenance free earthing i) Earthing electrode			
	ii)Back fill compound			
	iii) Cu. Cable			
	iv) Installation charges			

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