

ANNEXURE-I

(for Spot purchase of coal)

22nd August, 2017

Requirement of "Coal" for Steam & Power Generation at Bharuch plant.

GNFC intend to procure approximately 50,000 MT ($\pm 10\%$) of coal on Spot purchase basis from Seller's stock yard to its Bharuch site as per Technical specifications stipulated at "Annexure-II" attached with this notice.

GNFC requires the material as above for its requirement of Steam & Power Generation plant.

The bidders who are interested to participate in the tender are hereby intimated to contact following officials on or before **26.08.2017, 17.00 hrs. IST**; for further information to submit their offers.

Contact Persons:

- | | | |
|--------------------------------------|---|--------------------------------|
| 1. BS Limbachia Addl. General Manger | - | Email ID : bslimbachia@gnfc.in |
| 2. VM Patel Addl. General Manger | - | Email ID : vmpatel@gnfc.in |
| 3. SM Shah Manager | - | Email ID : sureshshah@gnfc.in |
| 4. SR Radadiya Senior Matl. Officer | - | Email ID : srradadiya@gnfc.in |



P G Dave
Executive Director



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CIN: L24110GJ1976PLC002903

MM/SPOT-COAL-2017/SMS

Annexure-II (1/1)

Technical Specifications for Coal					
NOMENCLATURE : Air dried = (AD) As received = (AR) Dry Ash Free = (DAF)					
Sr.No	ITEM	UNIT	SPECIFICATIONS OF COAL TO BE SUPPLIED	Guaranteed value by the Bidder	
1	TOTAL MOISTURE (AR)	% by wt	7 to 12		
2	INHERENT MOISTURE (AD)	% by wt	2 to 8		
3	FIXED CARBON (AD)	% by wt	42 to 55		
4	VOLATILE MATTER (AD)	% by wt	28 to 35		
5	FC/VM Ratio (AD)	--	1.2 to 1.8		
6	ASH (AD)	% by wt	4 to 14		
7	TOTAL SULPHUR (AD)	% by wt	0.2 to 1.0		
8	HGI	--	45 to 60		
9	GCV (AD)	Kcal/kg	6400 to 6800		
10	GCV (AR)	Kcal/kg	6000 to 6400		
11	NCV (AR)	Kcal/kg	5600 to 6000		
12	CARBON (DAF) - Load Port	% by wt	75 to 85		
13	HYDROGEN (DAF) - Load Port	% by wt	4 to 6		
14	NITROGEN (DAF) - Load Port	% by wt	2.0 (maximum)		
15	SULPHUR (DAF) - Load Port	% by wt	1.0 (maximum)		
16	OXYGEN (by difference)	% by wt	18.0 (maximum)		
17	C/H Ratio (DAF) - Load Port	% by wt	13 to 20		
OTHER IMPORTANT PARAMETERS					
18	SIZE OF COAL	mm	0 to 2 mm (10% maximum) 2 to 20 mm (68% minimum) 20 to 50 mm (20% maximum) > 50 mm component (2.0% max)		
19	ASH FUSION TEMPERATURE	IDT HT FT	deg C deg C deg C	1300 (min) Minimum 40 deg C above IDT Minimum 40 deg C above HT	
20	Mineralogical Ash Analysis	% by wt	SiO ₂ : 50% (min) Al ₂ O ₃ : 20% (min) Fe ₂ O ₃ : 10% (max) CaO : 7% (max) MgO : 4% (max) Na ₂ O : 0.6% (max) K ₂ O : 1.5% (max) TiO ₂ : 1.8% (max)		

NOTES:-

1. Supply shall strictly be on NCV (AR) basis only.
2. Analysis shall strictly be as per ASTM standards.
3. Discharge port analysis report is to be enclosed.
4. Analysis report of the cargo lying at stock yard is to be enclosed.
5. No premium would be payable / applicable for any of the parameters of Technical Specification of coal, if found better at GNFC Lab analysis vis-a-vis Guaranteed value of coal offered by you as above.
6. Bidder may quote for the coal having specifications as close to above Technical Specifications.

Date:

Seal & Signature of the Bidder