



PREBID TENDER FOR
CIVIL, STRUCTURAL & ARCHITECTURAL WORKS
FOR NDMC LTD

**3.0 MTPA Integrated Steel Plant at Nagarnar,
Chhattisgarh**

SPECIFICATION NO

REV. 00

Sheet Page 1 of 5

1.0 GENERAL

The special conditions of contract and other contract documents are complimentary to each other and shall be read in conjunction with each other. In case of any conflict of meanings between the special conditions of contract and the Customer / BHEL GCC, provisions of special conditions of contract shall over ride the corresponding provisions of the GCC.

2.0 SCOPE OF WORK

Scope covers Design, drawing, Engineering, Civil and auxiliary works of the entire Ore and coal handling Plant of RMHS area. Scope of major civil & structural work is described in **Project information** and **technical Specification**.

3.0 SITE CONDITIONS:

Before submitting the bid, the bidder shall get himself / themselves acquainted with site conditions such as the nature of soil likely to be encountered during the course of work etc., the rates quoted by the contractor shall be deemed to have been quoted after getting acquainted with the prevailing site conditions. No claims, on the pretext of ignorance of site conditions shall be entertained.

4.0 SITE FACILITIES

4.1 SUPPLY OF WATER:

Construction water will be made available at one point by the Customer. Bidder to indicate construction water requirement. Drinking water will be made available at only one point 10 m away from the proposed plant battery limit area at a pressure of approximately 1.5 kg/cm sq.

4.2 Construction Power

The requirement of construction Power shall be indicated by the contractor.

415 V,

3 phase, 4 wire supply will be made available at one point at the construction site.

There after the distribution of power supply for contractors use shall be in contractor's scope. The construction power will be charged as per state electricity rules prevailing at the time.

4.3 MACHINERY

The contractor shall at his own expenses supply all tools, plant and equipment (herein after referred to as (T&P) required for the execution of contract, as specified in the tender documents.

5.0 SPECIFICATION:



PREBID TENDER FOR
CIVIL, STRUCTURAL & ARCHITECTURAL WORKS
FOR NDMC LTD

**3.0 MTPA Integrated Steel Plant at Nagarnar,
Chhattisgarh**

SPECIFICATION NO

REV. 00

Sheet Page 2of 5

- (a) The whole of the works shall be executed in perfect conformity with the specifications and drawings. If contractor perform any works in a manner contrary to the specifications or drawings and without reference to the engineer, he shall bear all the costs arising or ensuring there from.
- (b) All technical documents regarding the construction of works are given in the metric system and work should be carried out according to metric system.
- (c) The work shall be carried out as per detailed specifications enclosed with the tender. For items for which there is no mention in the drawings, detailed specifications relevant to IS specifications (latest edition) shall be followed. Copies of the working drawings shall be supplied progressively to the contractor, free of cost. The contractor shall keep one set of drawings fully the backs at his own expenses, always available at site for reference of Engineer-in-charge and other representatives.
- (d) Building Dimensions shown in TS drawing is indicative only. The tenderer, based on the approved electrical arrangement drawing, shall do final sizes.

6.0 BENCH MARKS AND REFERENCE POINTS:

The contractor shall construct and maintain proper benchmarks and reference points of the intersection of all main walls. No separate payment shall be made for this and rates quoted deemed to include this cost.

7.0 SAFETY PRECAUTIONS:

The contractor shall at all times observe the safety code and take necessary action as required in the tender. In default thereof, the employer may get this done departmentally or through other agencies and recover the cost from the contractor. The contractor shall also abide by all the security regulations promulgated from time to time by the employer.

8.0 RATES:

The rates to be quoted are, lump sum rates for items specified as Lot .Works duly and properly completed in accordance with the GCC and Technical specification and drawings together with such alteration and / or conditions as may be required / ordered and without prejudice to the generality thereof and shall include for details of construction which are obviously and fairly intended and which may not have been specifically referred to in these documents and working drawings but are essential for execution and satisfactory completion of work including those of minor nature and shall be deemed to include and cover inter-alia the following :

- (l) Arrangements for obtaining the clearance wherever required from statutory bodies regarding license for construction, inspection charges and obtaining finance certificates for using these services. The various items rates quoted in the schedule shall be deemed to include the above services and no separate payments shall be made towards these.



PREBID TENDER FOR
CIVIL, STRUCTURAL & ARCHITECTURAL WORKS
FOR NDMC LTD
3.0 MTPA Integrated Steel Plant at Nagarnar,
Chhattisgarh

SPECIFICATION NO

REV. 00

Sheet Page 3 of 5

(II) The cost of all superintendence and labour materials, tools, plants, equipments, mobilizing and demobilizing equipment fuel lubricants, fixtures, transport charges, temporary and permanent works and quarrying charges, testing, screening, washing, handling of materials, stacking and removal charges of any rejected materials and water and power arrangements and satisfactory maintenance of the same and satisfactory completion of the work intended.

(III) All fees, duties, royalties, rent and compensation to owner for surface damage or taxes and impositions payable to local authorities, in respect of land and structure, for all materials supplied for the work or any other duties / expenses for which the contractor may become liable or may be put to under any provision of the law for the purpose in connection with the execution of the contract including levies payable on the transmission.

(IV) Watching and lighting arrangements as required for satisfactory performances.

(V) Setting out of works profiles etc., and of construction repair and up-keep of all center lines; bench marks and levels and pegs thereof including provisions of masonry / concrete pillars showing the center line of structures, grid lines and levels and maintenance and protection of the same including providing fencing etc., throughout the period of contract.

(VI) Erecting, maintenance and removal of temporary works and buildings.

(VII) Supply of samples, moulds, cost of testing of materials etc.

(VIII) Working in all conditions including in / under water liquid, mud, foul conditions etc. and shall also include bailing, other source of whatsoever de shushing and allied operation, at any stage of work including all suspension and delays whatsoever. Cost of curing including pumping and curing water whatever necessary.

(IX) In the interest of completion of work within the stipulated time, certain works are to be carried out during monsoon period also. No separate payment will be made to the contractor for such works and the same will be deemed to be included in the contract rates.

(X) Diversion and draining works, protection works, temporary facilities, bridges, gangway etc.,

(XI) Work at all depth in foundation below the ground level and in superstructure upto all height above ground level including all lifts and descents involved at any other place of work and disposed / borrow areas.



PREBID TENDER FOR
CIVIL, STRUCTURAL & ARCHITECTURAL WORKS
FOR NDMC LTD

**3.0 MTPA Integrated Steel Plant at Nagarnar,
Chhattisgarh**

SPECIFICATION NO

REV. 00

Sheet Page 4 of 5

(XII) Unless otherwise specified in the specification schedule, cost of all leads.

(XIII) Provision of centering, scaffolding, strutting props etc.

(XIV) All materials and labour required for fencing in and protection against risk of accidents and for providing necessary planking, strutting with hand rails, gum boots, helmets, safety belts etc. during the progress of work.

(XV) Works in all shapes, inclined or curved and all sizes as shown or as are required.

(XVI) Cleaning the site after the completion of work of all debris, left out construction materials, machine equipments, temporary offices, stores, work shop etc., including micro dressing the area in neat and clean shape.

9.0 LABOUR COLONIES:

No labour camp will be permitted under any circumstances within the premises.

10.0 LEAD, LIFT, DE-WATERING ETC,

(a) Unless otherwise specified in the tender schedule, the rates for all items will be deemed to include all leads, lifts and descents involved in the work.

(b) No separate payment will be made for de-watering (including seepage, surface drainage and monsoon water) de-sledging and allied operations at any stage of the work, and the cost of such operations will be deemed to be included in the contract rates.

(c) No separate payment will be made for curing including pumping of curing water where necessary.

11. EXTRA ITEMS:

No extra items of work shall be carried out by the contractor other than those authorised to do so in writing by the Engineer. For any such items, works shall be executed as per instructions of Engineer. The rates will be fixed in on the basis indicated under clause 50 of BHEL GCC. The schedule of rates to be followed in this will be CPWD schedule of rates for the year 2002.

12. QUANTITIES:

The probable quantities of the several items of work must be clearly understood that neither the probable quantities nor the aggregate value of the entire work shall be binding on to the Employer/Engineer and that the Employer/Engineer does not in any way assure the contractor



**PREBID TENDER FOR
CIVIL, STRUCTURAL & ARCHITECTURAL WORKS
FOR NDMC LTD
3.0 MTPA Integrated Steel Plant at Nagarnar,
Chhattisgarh**

SPECIFICATION NO

REV. 00

Sheet Page 5 of 5

or guarantee that the said probable quantities are correct or that the work will correspond to these. The employer/engineer reserves the right to omit, vary or add to the item/work described and no claim for compensation will be entertained on this account

13. VARIATION / DEVIATION IN QUANTITIES:

The contractor shall not make any alteration in addition to or omission from the work as described in the tender documents except in pursuance of the written instructions of the Engineer-in-charge. So such deviation from the work described in the tender documents shall be valid unless the same has been specifically confirmed and accepted by the accepting officer in written and incorporated in the contract.

14.0 MATERIALS

Any material that is to be supplied by the Employer will be issued to the contractor on cost recoverable basis / free of charges according to the tender condition. Unloading, loading, transport, storage and other handling of these materials to the work site or his go downs must be arranged by the contractor at his cost.

The contractor shall observe all safety regulations and take necessary safety precautions as called for under the Factories Act or other relevant statute as applicable including the use of safety boots, safety belts, helmets and other equipments and accessories for ensuring safe execution of the contract and freedom from accidents.

15.0 QUALITY CHECKS

Customer /Representative of BHEL shall have access to carry out audit / surveillance on the works covered in the tender with reference to contractual obligations to ensure that management practices / norms are adhered to.

17.0 SOURCE STANDARDIATION

Before commencement of work the contractor shall furnish the source of construction materials like cement, steel, sand aggregate etc to IISCO / BHEL for acceptance and approval.