



CENTRAL COALFIELDS LIMITED
(A Miniratna Cat- I Company)
OFFICE OF THE GENERAL MANAGER(KTA)
P.O:KATHARA ; DISTT: BOKARO

No. GM(KTA)/SO(C)/ Tender/2013 / 1070

Dated 29.7.2013.

NOTICE INVITING TENDER
Tender Notice No. 05 of 2013 – 14

1. Sealed tenders in two parts are invited for the works detailed as below : –

Sl. No.	Name of work	Estimated Cost (Rs.`)	Earnest Money (Rs.`)	Application Fee (Rs`)	Period of completion
1	Renovation of 2 nos. pump foundation and retaining wall with CGI sheet roofing shed at Damodar River intake point under Jarangdih Colliery.	380306.23	3803.00	250 + 14% VAT	3 months
2	Repairing of CGI sheet roof of Kathara Colliery Store under Kathara Colliery.	274284.32	2743.00	250 + 14% VAT	2 months
3	Day to day R/M of works in qrts. in township under GM Unit, Kathara.	494608.67	4946.00	250 + 14% VAT	6 months
4	R/M of 3 block WB(DS) qrts. at Gayatri colony under GM Unit, Kathara.	482548.26	4826.00	250 + 14% VAT	3 months
5	Augmentation of training gallery of Mines Rescue Stn. Under GM Unit, Kathara.	486844.10	4868.00	250 + 14% VAT	3 months

2. Tender documents may be purchased from the Office of the General Manager(KTA), Kathara Area, CCL from **6.8.13** to **12.8.13** on deposit of the application fee in cash (non-refundable) with the Sr. Cashier, Kathara Colliery from 9.00 AM to 1.00 PM on all working days except on Saturday from 9.00 AM to 12.00 noon. Tender documents can also be purchased by depositing the application fee in the form of bank draft in favour of Central Coalfields Limited, Kathara payable at SBI, Kathara , Bokaro Thermal and Bank of India, Sawang Colliery. The Bank Draft towards the cost of application fee should be prepared within the sale period of tender document.
- For further details, please log on CCL Website www.ccl.gov.in / www.tenders.gov.in / CPP Portal eprocure.gov.in and any tenderer who desires to download the tender document from website and submit the tender on due date and time, may do so within the sale period of tender document subject to the condition that they will deposit the application fee through Bank Draft in favour of Central Coalfields Limited, Kathara, payable at SBI, Kathara , Bokaro Thermal and Bank of India, Sawang Colliery and an undertaking as per annexure-XII of Detail Tender Document. The Bank Draft towards the cost of application fee should be prepared within the sale period of tender document and should be submitted along with the undertaking of the tenderer in a separate envelope marked "Cost of Tender Documents and the undertaking" and not with Part – I / EMD.
3. Earnest money is to be deposited in the form of DD with validity 28 days beyond the validity of the bid in the format given in the bid document in a separate envelope super scribing "Earnest Money deposit" and not inside the envelope containing Part – I or Part – II of the bid. Demand drafts submitted as earnest money/bid security should be drawn in favour of Central Coalfields Ltd. Kathara payable at SBI, Kathara , Bokaro Thermal and Bank of India, Sawang Colliery and its date of issuance should be on or after the date of issue of NIT.
4. (i) Tenders must be submitted in 2 (Two) parts as specified in the tender document in the office of General Manager (KTA), Kathara Area upto **3.30 PM** on **13.8.13** .
- (ii) Part-I tender will contain credentials (duly authenticated by the bidder) in support of his qualifications in accordance with the eligibility criteria & put into separate sealed envelope super scribing "Part-I". Part-II tender will contain price bid only & put into separate sealed envelope super scribing "Part-II". Thereafter all the three envelopes i.e. Part-I, Part-II & EMD (four envelopes in case of Bidders using downloaded Bid document) should be submitted in a sealed envelope super scribing name of work & NIT no & date. Part-II tender of only those tenderers will be opened who will qualify on the basis of credentials submitted in Part - I tender.

Part - I of the Tenders will be opened on **13.8.13 at 4.00 PM** in the office of the undersigned.

The minimum eligibility criteria for consideration for award of the contract shall include the following : –

- a) The intending tenderer must have in its name as a prime contractor experience of having successfully completed similar works during last 7 (seven) years ending last day of month previous to the one in which bid applications are invited (i.e. eligibility period) should be either of the following : –

Three similar completed works each costing not less than the amount equal to 40% of the estimated cost.

OR

Two similar completed works each costing not less than the amount equal to 50% of the estimated cost.

OR

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

In all the above cases while considering the value of completed works, the full value of completed work be considered whether or not the date of commencement is within the said seven years period.

In case the bidder is not a prime contractor but a sub-contractor, the bidder's experience as sub-contractor will be taken into account if the contract in support of qualification is a sub-contract in compliance with the provision of such sub-contract in the original contract awarded to prime contractor.

Similar nature of work shall means : For Sl.No.1 to 5 R&M/ Construction of civil work.

Working experience of only Govt. / Govt. owned organization would be reckoned.

- b) Average annual financial turnover of civil work during the last 3 (three) years, ending 31st March of the previous financial year should be at least 30% of the estimated cost.

The intending tenderer must submit documentary evidence in support of 5 (a) & (b) above in the form of certified copy of work order, completion certificate, payment certificates/vouchers indicating the period of work for which the payment has been made.

Financial turn over and cost of completed works of previous works shall be given a weightage of 5% per year (average annual rate of inflation) to bring them at current price level, while evaluating the qualification requirement and bid assessment of the bidders

5. The validity of tenders shall be 4 (four) months from the date of opening of price bid or revised price bid, if any.
6. Following documents are required to be submitted with Part I of the tender :-
 - a. Firm registration details / any other document of the firm.
 - b. Power of Attorney in the case the tender is signed by an authorized representative of the tenderer.
 - c. Photocopy of PAN card either of the firm or of the individual as the case may be / PAN.
 - d. Particulars of registration with appropriate Sales Tax authority / Valid Sales Tax clearance certificate.
 - e. Credentials of satisfactory performance of contracts completed with full details of clients location of work, cost & time taken for completion during the period as indicated at sl. no. 5.
 - f. Affidavit in original in non-judicial stamp paper of ` 5/- or above as per Annexure – VI of Tender document duly authenticated by Notary.
 - g. Declaration to the effect that no condition has been given in the price bid (Part-II).
 - h. Particulars of registration / clearance from appropriate provident fund authority or affidavit in original in non-judicial stamp paper of ` 5/- or above as per Annexure – IX of Tender document duly authenticated by Notary.
 - i. Declaration regarding delisting / banning by any Govt. or quasi Govt. agencies or PSUS.
 - j. Authorization of all payment through electronic fund transfer system / RTGS / CBS / intra bank transfer as per Annexure – XI of Tender document.
 - k. Particulars of Service Tax registration.
7. All the pages of tender documents, credentials should be signed by the tenderer including cutting / overwriting if any.
8. Other eligibility criteria and details required to be submitted with tender should be as detailed in tender document.
9. Mere issue of tender document to intending bidders will not mean that they have fulfilled the requisite qualification. The eligibility and other qualification criteria will be examined at the time of the evaluation of Part-I of the bid.
10. CCL reserves the right to reject any or all the tenders without assigning any reason what so ever and to split up & distribute the work among more than one tenderer.
11. The decision of CCL in awarding the work shall be final and cannot be subject to arbitration.
13. No subletting of work by the contractor is permissible. Subletting of work in piece rated jobs is permissible with the prior approval of the department.

**Staff Officer (Civil)(KTA)
Kathara Area.**

DETAIL TENDER DOCUMENT



CENTRAL COALFIELDS LIMITED

(A Subsidiary of Coal India Limited)

OFFICE OF THE GENERAL MANAGER(KTA)

P.O:KATHARA ; DISTT: BOKARO

PART – I OF TENDER

TENDER DOCUMENT ISSUE DETAILS

NAME OF WORK :

- 1.Renovation of 2 nos. pump foundation and retaining wall with CGI sheet roofing shed at Damodar River intake point under Jarangdih Colliery.
- 2.Repairing of CGI sheet roof of Kathara Colliery Store under Kathara Colliery.
- 3.Day to day R/M of works in qrts. in township under GM Unit, Kathara.
- 4.R/M of 3 block WB(DS) qrts. at Gayatri colony under GM Unit,Kathara.
- 5.Augmentation of training gallery of Mines Rescue Stn. Under GM Unit, Kathara.

TENDER NOTICE NO. AND DATE – 05 of 2013 – 14 dt:29.7.2013**DATE AND TIME OF SUBMISSION OF TENDER :** Up to 3.30 PM on 13.8.13**DATE AND TIME OF OPENING TENDER:** on 13.8.13 at 4.00 PM**COST OF TENDER DOCUEMTNT :** For Sl. No.1 to 5 Rs. 250 + 14% VAT each set.**ISSUED TO / SUBMITTED BY :****NAME OF TENDERER :** _____**POSTAL ADDRESS :** _____**e-mail address** _____**Telephone No.** _____**Mobile No.** _____

Against deposit of cost of tender document vide CR / DD No. _____ Dated :

Staff Officer(C)(KTA)
Kathara Area

BASIC INFORMATION FOR BIDDERS

1. Name of work
(To be superscripted on
tender covers / envelopes) - :

Sealed tenders in 2 parts will be received in the Office of the Staff Officer (Civil), (KTA), Kathara Area.

2. Closing of receipt of tenders upto 3.30 PM on 13.8.12.13
3. **Opening of Part-I of tenders at 4.00 PM on 13.8.13**
4. Opening of part –I I of the tenders : shall be communicated to only those tenderers whose Part – I of the tenders are found acceptable.
5. **Sale of tender document : from 6.8.13 to 12.8.13**
6. Price of tender document (non-refundable) to be paid in cash / bank draft payable at Kathara (also refer NIT.)
7. Earnest Money/ Bid Security @1% of the estimated cost (rounded of to nearest hundred rupees subject to maximum of Rs.50.00 lakhs) is to be deposited in the form of irrevocable Bank Guarantee (from Scheduled Bank/ Branch acceptable to the owner) with validity 28 days beyond the validity of the Bid in the format given in the Bid Document (Annexure-VIII) in a separate envelope alongwith the tender.

Demand Drafts issued on or after the issue date of NIT will also be acceptable as Earnest Money/ Bid Security drawn in favour of Central Coalfields Ltd. on any scheduled Bank payable at its branch at Kathara.

For works valued up to Rs. 5 lakhs the earnest money may be deposited in cash or in the aforesaid form. In case of earnest money deposit by cash, cash receipt is to be submitted in a separate envelope alongwith the tender.

Earnest Money/ Bid Security of the unsuccessful bidder shall be refunded as promptly as possible after opening of Price Bid and finalization of the tender and shall bear no interest.
8. The validity period of the tenders shall be 4 (four) months from the date of opening of price bid or revised price bid, if any
9. In case of tender document down loaded from the web site, the bidder will be required to pay the cost of tender documents (application fee) by bank draft prepared within the sale period of Tender Document as per NIT alongwith an undertaking as per Annexure -XII in a separate envelope at the time of submission of tender

ELIGIBILITY CRITERIA :-

- a. Details of Earnest Money. **AS MENTIONED IN NIT (refer CL .3 OF DETAIL TENDER NOTICE)**
- b. In case of Firms, registration or proof of application for registration, Partnership Deed and Power of attorney in the case of partnership firms, affidavit regarding proprietorship in the case of proprietorship firm/Articles of Association, Memorandum in the case of Company

or

 Firm registration details / any other document of the firm.
- c. Power of Attorney in the case the tender is signed by an authorised representative of the tenderer.
- d. Photocopy of PAN card either of the firm or of the individual as the case may be/ PAN.
- e. Particulars of registration with appropriate Sales Tax Authority / Valid Sales Tax Clearance Certificate.
- f. Credentials as per the following :-
 1. Average annual financial turnover of Civil works during the last 3 (three) years ending 31st March of the previous financial years should be at least 30% of the estimated cost.
 2. The intending tenderer must have in its name as a prime contractor experience of having successfully completed similar works during last 7 (seven) years ending last day of month previous to the one in which bid applications are invited (i.e. eligibility period) should be either of the following : –

Three similar completed works costing not less than the amount equal to 40% of the Estt. Cost.

OR

Two similar completed works costing not less than the amount equal to 50% of the Estt. Cost.

OR

One similar completed work costing not less than the amount equal to 80% of the Estt. Cost.

In all the above cases, while considering the value of completed works, the full value of completed work be considered whether or not the date of commencement is within the said seven years period.

In case the bidder is not a prime contractor but a sub-contractor, the bidder's experience as sub-contractor will be taken into account if the contract in support of qualification is a sub-contract in compliance with the provision of such sub-contract in the original contract awarded to prime contractor.

Definition of similar nature of work: AS MENTIONED IN ENCLOSED NIT

WORKING EXPERIENCE ONLY IN GOVT./ GOVT OWNED ORGANISATION WOULD BE RECKONED.

The intending tenderer must submit documentary evidence in support of above in the form of certified copy of work order, completion certificate, payment certificates/vouchers indicating the period of work for which the payment has been made.

Financial turn over and cost of completed works of previous works shall be given a weightage of 5% per year (average annual rate of inflation) to bring them at current price level, while evaluating the qualification requirement and bid assessment of the bidders

- g. Affidavit in original in non-judicial stamp paper of ` 5/- or above as per Annexure – VI of Tender document duly authenticated by Notary.
- h. Declaration to the effect that no condition has been given in the price bid (Part-II)
- i. Particulars of registration / clearance from appropriate provident fund authority or affidavit in original in non-judicial stamp paper of ` 5/- or above as per Annexure – IX of Tender document duly authenticated by Notary.
- j. Declaration regarding delisting / banning by any Govt. or quasi Govt. agencies or PSUS.
- k. Authorization of all payment through electronic fund transfer system / RTGS / CBS / intra bank transfer as per Annexure – XI of Tender document.
- l. Particulars of Service Tax registration, if Service Tax is applicable.
- m. Tenderers should submit necessary data in the format given as per clause no. 18 of Detailed Tender Notice for Tender Evaluation & Bid Assessment.
- n. All the pages of tender documents, credentials should be signed by the tenderer including cutting / overwriting if any.
- o. The bidders who will download the tender documents from the website, will be required to pay the cost of tender documents (application fee) by bank draft prepared within the sale period of Tender Document as per NIT along with an undertaking as per Annexure - XII in a separate envelope at the time of submission of tender.

CCL Reserves full right to reject any tender at Part –I stage in case any information as required is lacking in Part-I of tender and no appeal against CCL's decision will be entertained.

PART – II OF THE TENDER SHOULD CONTAIN

Price – bid indicating the rate offered along with the schedule of quantities
each page duly signed

(Also refer to instruction in enclosed NIT)

PROCEDURE & SYSTEM OF DOWNLOADED TENDER DOCUMENT

1. Tenderers who want to download the T.D. directly from the CCL Website, they may do so in the following manner :
 Download the **Part – I**
 Download the **Part – II**
2. Separate tender is required to be submitted for each work (if applicable).
3. All the pages of tender must be signed.
4. Part – II envelope should contain signed BOQ of relevant work with quoted rate on **percentage basis / item rate basis** as indicated.
5. For other information detailed tender notice may be referred to.
6. For any query, may contact -
 (During Office Hours) Central Coalfields Limited,
 Office of the General Manager(KTA)
 P.O:Kathara; Distt: Bokaro.

7. Utmost care has been taken to place the correct information / data as per original TD. However, if the tenderer finds any discrepancy in the downloaded T.D. that might have occurred due to inadvertent error / problems in downloading, they are requested to preferably go through the master copy of the T.D. available in the Office of Staff Officer (C)(KTA), Kathara Area to sort out the same, if they feel so.
8. In case of any discrepancy between the tender documents downloaded from the web site and the master copy available in the office, the latter shall prevail and will be binding on the tenderers. No claim on this account will be entertained.
9. The bidders, who will download the tender documents from the website of the company, will be required to pay the cost of tender documents (Application Fee) by Bank Draft prepared within the sale period of Tender Document as per NIT at the time of submission of tenders
10. The bidders will be required to submit an undertaking as per Annexure –XII
11. The Bank Draft towards the cost of tender documents (Application Fee) and the undertaking of the tenderer as above shall be submitted in a separate envelope marked “Cost of Tender Documents and the Undertaking” and not with Part-I/ EMD.
12. The company shall not be responsible for any delay/difficulties/ inaccessibility of the downloading facility for any reason whatsoever. The downloading facility shall be available during the period of sale of tender document.

Envelope System For Submission Of Tender

The documents / credentials should be submitted in sealed envelopes in the following manner :

- **First Envelope is only for bidders who have download the tender documents from the website.** This will contain the cost of tender document (application fee) in form of bank draft prepared within the sale period of Tender Document as per NIT along with an undertaking as per Annexure –XII. The envelope should be sealed and super scribed **“Cost of Tender Documents and the undertaking”**.
- **Second Envelope** will contain the Earnest Money as per SI No. ‘a’ of **Eligibility Criteria**. The envelope should be sealed and super scribed **“Earnest Money deposit”**.
- **Third Envelope** will contain the Part –I of tender document along with credentials related to SI No. ‘b’ to ‘m’ of **Eligibility Criteria**. All the pages of tender documents, credentials should be signed by the tenderer including cutting / overwriting if any. The envelope should be sealed and super scribed **“Part-I”**.
- **Fourth Envelope** will contain the Part –II (Price Bid) of tender document. All the pages of Part –II (Price Bid) should be signed by the tenderer including cutting / overwriting if any. The envelope should be sealed and super scribed **“Part-II”**.
- **Fifth Envelope** will contain all the above three envelopes i.e. second envelope, third envelope & fourth envelope (**four envelopes i.e. first envelope also in case of Bidders using downloaded tender document**). The envelope should be sealed and super scribed **“Name of work & NIT no & date”**.

The name and address of the bidders should be super scribed on the bottom left hand corner of all the above envelopes

DECLARATION

I/We hereby declare that there is no condition in Price bid (Part- II).

Signature of Tenderer

GENERAL TERMS AND CONDITIONS

1. Definitions

- i) **"Employer"** or "Company" means the Coal India Limited or any of its subsidiaries who will employ the contractor represented by the appropriate authority.
- ii) **"Principal Employer"** means the Coal India Limited or any of its subsidiaries or the officer nominated by the Company to function on its behalf.
- iii) The word **"Contractor/ Contractors"** wherever occurs means the successful tenderer/ tenderers who has/have deposited the necessary Earnest money and has/have been given written intimation about the acceptance of tender and shall include legal representative of such individual or persons composing a firm or a company or the successors and permitted assignees of such individual, firm or Company, as the case may be.
- iv) **"Site"** means the land and places including any building and erection thereon, over, under, in or through which the Permanent works or Temporary works designed by the Engineer in Charge are to be executed and any other lands and places provided by the Employer for working space or any other purpose as may be specifically designated in the Contract as forming part of the site.
- v) The term **"Sub-Contractor"** as employed herein, includes those having a direct contract with Contractor either on piece rate, item rate, time rate or any other basis and it includes one who furnishes work to a special design according to the plans or specifications of this work but does not include one who merely supplies materials.
- vi) **"Accepting Authority"** shall mean the management of the company and includes an authorized representative of the company or any other person or body of persons empowered in this behalf by the company.
- vii) **"Engineer-in-charge"** shall mean the officer nominated by the company in the Civil Engineering cadre/ discipline who is competent to direct supervisors and authorized to be in charge of the works for the purpose of this contract. The Engineer in Charge /Designated Officer in Charge who is of an appropriate seniority, will be responsible for supervising and administering the contract, certifying payments due to the contractor, valuing variations to the contract, awarding extension of time and valuing compensation events. The Engineer in Charge /Designated Officer in Charge may further appoint his representatives i.e. another person/Project Manager or any other competent person and notify to the contractor who is directly responsible for supervising the work being executed at the site, on his behalf under their Delegation of Powers of the company. However, overall responsibility, as far as the contract is concerned, will be that of the Engineer in Charge/Designated Officer in Charge.
- viii) The **"Contract"** shall mean the notice inviting tender, the tender as accepted by the Company, the work order issued to the contractor, and the formal contract agreement executed between the company and the contractor together with the documents referred to therein including general terms and conditions, special conditions, if any, scope of work, frozen terms & conditions/technical parameters/scope of work and revised offer, if any, specifications, drawings, including those to be submitted during progress of work, schedule of quantities with rates and amounts.
- ix) A **"Day"** shall mean a day of 24 hours from midnight to midnight.
- x) The **"Work"** shall mean the works required to be executed in accordance with the contract/work order or parts thereof as the case may be and shall include all extra or additional, altered or substituted works or any work of emergent nature, which in the opinion of the Engineer-in-charge, become necessary during the progress of the works to obviate any risk or accident or failure or become necessary for security.
- xi) **"Schedule of Rates"** referred to in this conditions shall mean the standard schedule of rates prescribed by the company and the amendments issued from time to time.
- xii) **"Contract amount"** shall mean:

a) in the case of turnkey contracts the total sum for which tender is accepted by the company.

b) in the case of other types of contracts the total sum arrived at based on the individual rates quoted by the tenderer for the various items shown in the "Schedule of Quantities" of the tender document as accepted by the Company with or without any alteration as the case may be.

xiii) **"Written notice"** shall mean a notice or communication in writing and shall be deemed to have been duly served if delivered in persons to the individual or to a member of the contractors firm or to an office of the company for whom it is intended, or if delivered at or sent by registered mail to the last business address known to him who gives the notice.

xiv) **"The constructional plant"** means all appliances, tools, plants or machinery or whatsoever nature required in or about the execution, completion or maintenance of the works but does not include materials or other things intended to form part of the permanent work.

xv) **"Letter of Acceptance of Tender"** means letter giving intimation to the tenderer that his tender has been accepted in accordance with the provisions contained in that letter.

xvi) **"Department"** means the Civil Engineering Department of Coal India Limited or any of its subsidiary companies/units represented by the appropriate authority.

xvii) **"Act of insolvency"** means as it is designed by Presidency Town Insolvency Act or Provincial Insolvency Act or any act amending such originals.

xviii) The words indicating the singular only also include the plural and vice-versa where the context so requires.

2. Contract Documents:

The following documents shall constitute the contract documents :

- i) Notice Inviting Tender/Detailed Tender Notice.
- ii) Articles of Agreement / Letter of Acceptance of Tender/ Work Order.
- iii) General Terms & Conditions of contract/ Commercial Terms & Conditions of contract.
- iv) Additional Terms & Conditions of contract, if any.
- v) Specifications.
- vi) Schedule of quantities (or Bill of Quantities)/ Schedule of work/ Scope of work and schedule of deviation *(to be provided by the contractor.)*
- vii) Frozen terms & conditions / technical parameters/ scope of work and revised offer, if any.
- viii) Contract drawings and work programme.
- ix) Safety Code etc. forming part of the tender.

N.B. Deviations: Deviations sought by the bidders, whether they are technical or commercial deviations, must only be given in the schedules prescribed for them. Any willful attempt by the bidders to camouflage the deviations by giving them in the covering letter or in any other documents than the prescribed schedules may render the bid itself as non-responsive.

2.1 The contractor shall enter into and execute contract agreement in the prescribed form (ref. format at ANNEXURE VII). The cost of the stamp papers for the contract agreement shall be borne by the contractor. Two sets of contract document/agreements shall be prepared and signed by both the parties. One of the sets shall be stamped "Original" and the other "Duplicate". The duplicate copy will be supplied to the contractor free of cost and the original is to be retained by the company. For any additional copies required by the contractors the price to be charged would be that of the cost of the Tender Document (Application Fee).

All additional copies should be certified by the Engineer in Charge.

The contractor shall keep copy of these documents on the site/place of work in proper manner so that these are available for inspection at all reasonable times by the Engineer-in-charge, his representatives or any other officials authorised by the company for the purpose.

2.2 The contract document shall not be used by the contractor for any purpose other than this contract and the contractor shall ensure that all persons employed for this contract strictly adhere to this and maintain secrecy, as required of such documents.

2.3 Tender Evaluation & Bid Assessment
[Refer clause 18 of Detailed Tender Notice]

2.4. Abnormally High Rate (AHR) & Abnormally Low Rate (ALR) Items.

Abnormally High Rates & Abnormally Low Rates, if quoted by the contractor, in item rate tenders will be identified & dealt with as under:

- i) For identification of AHR & ALR items the ceiling of +/- 20% respectively, when compared with the updated estimated rate, will be considered.
- ii) Variation in Quantity on quoted rate during execution for AHR & ALR items shall be permitted upto +/-25% (+25% for AHR & -25% for ALR) of the quantity provided for items of work below plinth level & +/- 5% of the quantity provided for items of work above plinth level respectively.
- iii) Quantity variation beyond the limit mentioned at ii) above shall be dealt by arriving at new rate based on prevalent market rates of materials & labour analysed as per standard analysis of rate of N.B.O./ C.P.W.D. Payment of extra quantity over the permitted quantity of +/-25% and +/-5% (as the case may be) would be made on the basis of the new analysed rate.
- iv) For identified abnormally low rate (ALR) items, the contractor will be required to deposit with the company the difference in amount calculated between the departmental justified rate multiplied by the quantity of a particular ALR item and the ALR rate quoted by the contractor multiplied by the quantity of the same item.

The total amount to be deposited will be the sum total of all the identified ALR items calculated as per the method outlined above.

The amount so retained will be refunded on successful completion of individual ALR items of work.

2.5 Negotiations:
[Refer clause 19 of Detailed Tender Notice]

2.6 Acceptance of Offer :

Letter of Acceptance is an acceptance of offer by the company and it need not be accepted by the tenderer. But the tenderer should acknowledge the receipt of the order within 15 days of mailing of work order and any delay in acknowledging the receipt will be treated as a breach of contract and compensation for the loss caused by such breach will be declared by the company by forfeiting EMD .

2.7 Banned or delisted Contractors: [Refer clause 20 of Detailed Tender Notice]

3. Discrepancies in contract documents & Adjustments thereof

The documents forming part of the contract are to be treated as mutually explanatory of one another and in case of discrepancy between schedule of quantity, the specifications and/or drawing, the following order of preference shall be observed;

- a) Description in Bill of Quantities of work.
- b) Particular specification and special conditions, if any
- c) Drawings.
- d) General specifications.

3.1 In the event of varying or conflicting provision in any of the document(s) forming part of the contract, the Accepting Authority's decision/clarification shall hold good with regard to the intention of the document or contract as the case may be.

3.2 Any error in description, quantity or rate in Bill of Quantities or any omission there from, shall not vitiate the contract or release the contractor from discharging his obligations under the contract including execution of work according to the Drawings and Specifications forming part of the particular contract document.

3.3 Any difference detected in the tender/ tenders submitted resulting from :

- a) discrepancy between description in words and figures, the rate which corresponds to the amount worked out by the contractor shall be taken as correct.
- b) discrepancy in the amount quoted by the contractor due to calculation mistake of the unit rate and quantity, the unit rate shall be regarded as firm and amount corrected.
- c) when the amount of an item is not worked out by the contractor or it does not correspond with the rates written either in figures or words, then the rates quoted by the Contractor in words shall be taken as correct.
- d) in the case of percentage rate tender, the Contractors are required to quote their rates both in amount as well as in the percentage below/above the rates entered in the Schedule. In such cases in the event of Arithmetical error committed in amount by the contractor, the tender percentage and not the amount should be taken into account.
- e) discrepancy in totaling or carry forward in the amount quoted by the contractor shall be corrected.

The tendered sum so corrected and altered shall be substituted for the sum originally tendered and considered for acceptance instead of the original sum quoted by the tenderer alongwith other tender/tenders. Rounding off to the nearest rupee should be done in the final summary of the amount instead of in totals of various sections of the offer.

4. Security Deposit:

4.1.1 Security Deposit shall consist of two parts;

- a) Performance Security to be submitted at award of work and
- b) Retention Money to be recovered from running bills.

The security deposit shall bear no interest.

4.1.2 Performance Security should be 5% of contract amount and should be submitted within 28 days of receipt of LOA by the successful bidders in any of the form given below

- a Bank Guarantee in the form given in the bid document
- Govt. Securities, FDR or any other form of deposit stipulated by the owner
- Demand Draft drawn in favour of Coalfields Ltd on any Scheduled Bank payable at its Branch at.....

The Earnest Money/ Bid Security deposited in the form of Bank Guarantee shall be discharged when the Bidder has signed the Agreement and furnished the required Performance Security/ Security Deposit. The bid security deposited in the form of Demand draft/ cash shall be adjusted against the security deposit.

If performance security is provided by the successful bidders in the form of bank guarantee it shall be issued either -

- (a) at Bidder's option by a nationalized/ Scheduled Indian Bank or
- (b) by a foreign bank located in India and acceptable to the employer.
- (c) the validity of the Bank Guarantee shall be for a period of one year or ninety days beyond the period of contract, whichever is more.

Failure of the successful bidder to comply with the requirement as above shall constitute sufficient ground for cancellation of the award of work and forfeiture of the bid security.

4.2.1 All running on account bills shall be paid at 95% (ninety five percent) of work value. This 5% (five percent) deduction towards Retention Money will be the second part of security deposit.

4.2.2 . 5% Performance Security should be refunded within 14 days of the issue of defect liability certificate (taking over certificate with a list of defects). Retention Money should be refunded after issue of No Defect Certificate. Retention Money should be deducted at 5% from running bills.

4.3 The Bank Guarantee towards security deposit shall be acceptable only for values above Rs.50, 000/- and the Bank Guarantee shall also be valid for a minimum period of one year or ninety days beyond the period of contract, whichever is more.. Bank Guarantee is to be submitted in the format prescribed by the company. Bank Guarantee shall be irrevocable and will be from amongst the list of Banks (Scheduled Banks) provided in the bid document.

4.4 The Company shall be at liberty to deduct/appropriate from the security deposit such sums as are due and payable by the contractor to the company as may be determined in terms of the contract, and the amount appropriated from the security deposit shall have to be restored by further deduction from the contractors subsequent on account running bills, if any.

The refund of security deposit shall be subject to company's right to deduct/ appropriate its due against the contractor under this contract or under any other contract.

4.5 On completion of the entire work and issue of defect liability certificate (taking over certificate with a list of defects) by the Engineer-in-charge, one half of the security deposit remaining with the company shall be refunded. The other half shall be refunded to the contractor after issue of No Defect Certificate by the Engineer-in-Charge. on the expiry of Defect Liability Period of six months , subject to the following conditions:

- a) Any defect/defects in the work, if detected after issue of defect liability certificate is/are rectified to the satisfaction of the Engineer-in-Charge within the said period.
- b) In the case of building work or other work of similar nature, the refund shall be made on the expiry of the said six months period or at the end of one full monsoon period i.e. June to September, whichever is later in point of time and any defects such as leakages in roof, effloresces in walls, dampness, defects in drainage etc. should be rectified to the satisfaction of Engineer-in-Charge.

5. Deviations/Variations in Quantities and Pricing

The quantities given in the "Schedule of Quantities" are based on estimates and are meant to indicate the extent of the work and to provide a uniform basis for tendering and any variation either by addition or omission shall not vitiate the contract.

5.1 The company through its Engineer In Charge or his representative shall, without radically changing the original scope and nature of the work, under contract, have power to make any alterations in or additions to or substitution of the original specifications, drawings, designs and instructions that may appear to be necessary or advisable during the progress of the work.

The contractor shall be bound to carry out the works in accordance with the instructions given to him in writing by the Engineer In Charge or his representative on behalf of the company. Such altered or additional or substituted work, which shall form part of the original contract, shall be carried out by the contractor on the same terms and conditions in all respects on which they agreed to do the main work and at the same rate/rates as are specified in the contract/ work-order.

5.2 The right is reserved to cancel any items of work included in the contract agreement or portion thereof in any stage of execution if found necessary to the work and such omission shall not be a waiver of any condition of the contract nor invalidate any of the provisions thereof.

5.3 If the additional, altered or substituted work includes any class of work for which rate/rates is/are not specified in the contract/work order, rates for such items shall be determined by the Engineer In Charge as follows:

- a) In the case of percentage tenders, if the rate for the item of work executed is available in the company's approved SOR, it will be paid at the schedule rate plus or minus the accepted percentage as per contract,
- b) In case of item rate tenders, the rate for extra item shall be derived from the rate for similar item or near similar item of work available in the agreement schedule of work or by analysis of rates as at (c) below and the lower rate out of the above two shall be considered.
- c) In case the rate for extra item is to be derived by analysis of rate, the same shall be done by analysis on prevalent market rate of materials and labour based on standard norms of analysis of rate of N.B.O./C.P.W.D.
- d) In case of combined tender with partly item rate for non-schedule items & partly percentage tenders for SOR items, the rate for extra item shall be derived as at (b) above in case of non-schedule items rates and in case of percentage rates for SOR items the rate for extra item shall be derived as at (a) above.

In case of any difference between the contractor and the Engineer-In Charge as to the fixation of rates, the matter shall be referred to the accepting authority of the company i.e. CGM(C)/GM(C)/CE(C) of the company or Staff Officer(C) for the work awarded at Company Hqrs. level and Area level respectively, whose decision shall be final and binding on the contractor.

5.4 Payment for such deviated items (additional/ altered / substituted items of work or excess quantities of work beyond +/- 25% of the agreement schedule) shall be made in the contractors running on account bills, till the revised estimate regularising these items are sanctioned by the competent authority of the company, at the provisional rates and shall not exceed :

- a) 75% of the rate recommended by the Engineer In Charge to the accepting authority of the company i.e. CGM(C)/GM(C)/ CE(C) of the company or SO(C) of the Area , if the rate is directly available in the SOR of the company.
- b) 50% of the rate recommended by the Engineer In Charge to the accepting authority of the company, i.e. CGM(C)/ GM(C)/ CE(C) of the company or SO(C) of the Area , if it is analysed item rates based on prevalent market rates of materials and labour following NBO/CPWD norms.

5.5 *The time for completion of the originally contracted work shall be extended by the company in the proportion that the additional work (in value) bears to the original contracted work (in value) plus 25% of the time calculated as explained above or such further additional time as may be considered reasonable by the Engineer in Charge.*

5.6 The company through its Engineer In Charge or his representative, on behalf of the company, shall have power to omit any part of the work in case of non-availability of a portion of the site or for any other reason and the contractor shall be bound to carry out the rest of the work in accordance with the instructions given by the Engineer In Charge. No claim from the Contractor shall be entertained/ accepted on these grounds.

5.7 In the event of any deviation being ordered which in the opinion of the contractor changes radically the original scope/nature of the contract, the contractor shall under no circumstances suspend the work, either original or altered or substituted, and the dispute/disagreement as to the nature of deviation and the rate/rates to be paid for such deviations shall be resolved separately with the company as per the procedures/ norms laid down hereafter.

6. Time for Completion of Contract, Extension thereof, Defaults and Compensation for Delay

Time is the essence of the contract and as such all works shall be completed within the time stipulated in the contract/ work order.

Immediately after the contract is executed/the work order is issued, the Engineer In Charge and the contractor shall agree upon a detailed time and progress chart prepared based on BAR CHART/ PERT CPM techniques on the basis of a construction schedule submitted by the contractor at the time of executing contract showing the order in which the work is proposed to be carried out within the time specified in the contract document/work order.

For the purpose of this detailed time and progress chart, the work shall be deemed to have commenced on the expiry of 10 (ten) days from the issue of Letter of Acceptance of Tender/Work Order or handing over the site of work or handing over reasonable number of working drawings to the contractor or the period of mobilisation allowed in the work order for starting the work in special circumstances, whichever is later.

6.1 If the contractor, without reasonable cause or valid reasons, commits default in commencing the work within the aforesaid time limit, the company shall without prejudice to any other right or remedy, be at liberty, by giving 15 days notice in writing to the contractor to commence the work, to forfeit the Earnest Money deposited by him and to rescind the Letter of Acceptance of Tender/Work Order.

Additionally, the Company will reserve the right to debar such defaulting Contractors from participating in future Tenders for a minimum period of 1 (One) year.

6.2 If the contractor fails to maintain the required progress in terms of the agreed time and progress chart or to complete the work and clear the site on or before the contract or extended date of completion, he shall without prejudice to any other right or remedy available under the law to the company on account of such breach, pay as compensation (Liquidated Damages) @ half percent (1/2%) of the contract price per week of delay. The aggregate of such compensation/ compensations shall not exceed 10 (ten) percent of the total value as shown in the contract.

This will also apply to items or group of items for which separate period of completion has been specified. The amount of compensation may be adjusted or setoff against any sum payable to the contractor under this or any other contract with the company.

6.2.1 The company, if satisfied, that the works can be completed by the contractor within a reasonable time after the specified time of completion, may allow further extension of time at its discretion with or without the levy of L.D. In the event of extension granted being with L.D, the company will be entitled without prejudice to any other right or remedy available in that behalf, to recover from the contractor as agreed damages equivalent to half percent of the contract value of the works for each week or part of the week subject to a ceiling of 10% of the contract price.

6.2.2 The company, if not satisfied that the works can be completed by the contractor, and in the event of failure on the part of the contractor to complete work within further extension of time allowed as aforesaid, shall be entitled, without prejudice to any other right, or remedy available in that behalf, to rescind the contract.

6.2.3 The company, if not satisfied with the progress of the contract and in the event of failure of the contractor to recoup the delays in the mutually agreed time frame, shall be entitled to terminate the contract.

6.2.4 In the event of such termination of the contract as described in clauses 6.2.2 or 6.2.3 or both, the company, shall be entitled to recover L.D. upto ten percent (10%) of the contract value and forfeit the security deposit made by the contractor besides getting the work completed by other means at the risk and cost of the contractor.

6.3 a) The company may at its sole discretion, waive the payment of compensation on request received from the contractor indicating valid and acceptable reasons if the entire work is completed within the date as specified in the contract/work order or as validly extended date without stipulating any compensation for delay. **or**

b) If the progress of the work or of any portion of the work is unsatisfactory, the Engineer In-charge shall be entitled, after giving the contractor 15 days' notice in writing, to employ another Agency for executing the job or to carry out the work departmentally either wholly or partly debiting the contractor with the cost involved in engaging another Agency or the cost involved in executing the work departmentally, as the case may be. The certificate to be issued by the Engineer In-charge for the cost of the work so done shall be final and conclusive and the extra cost, if any, shall be borne by the contractor.

6.4 Extension of date of completion: On occurrences of any events causing delay as stated here-under, the contractor shall intimate immediately in writing to the Engineer In Charge.

- a) Force Majeure :
- i) Natural phenomena, including but not limited to abnormally bad weather, unprecedented flood and draught, earthquakes & epidemics.
 - ii) Political upheaval, civil commotion, strikes, lockouts, acts of any Govt. (domestic/foreign) including but not limited to war, proprieties, quarantine embargoes

The successful bidder/ contractor will advise in the event of his having to resort to this clause by a registered letter duly certified by the local chamber of commerce or statutory authorities, the beginning and end of the cause of delay, within fifteen days of the occurrence and cessation of such Force Majeure condition.

In the event of delay due to Force Majeure for more than one month the contract may be terminated at the discretion of the company. Termination under such circumstances will be without any liability on either side.

- b) Serious loss or damage by fire
- c) Non-availability of stores which are the responsibility of the company to supply as per contract
- d) Non-availability of working drawings in time, which are to be made available by the company as per contract during progress of the work
- e) Delay on the part of the contractors or tradesmen engaged by the company not forming part of the contract, holding up further progress of the work
- f) Non-availability or breakdown of tools and plant to be made available or made available by the company
- g) The execution of any modified or additional items of work or excess quantity of work.
- h) Any other causes which, at the sole discretion of the company, is beyond the control of the contractor.

6.4.1 A HINDRANCE REGISTER shall be maintained by both department and the contractor at site to record the various hindrances, as stated above, encountered during the course of execution.

Hindrance register will be signed by both the parties. The contractor may also record his observations in the Hindrance Register. In case the contractor has a different opinion for hindrance and a dispute arises then the matter would be referred to the EIC and or the next higher authority whose decision would be final & binding on the contractor & the decision to be communicated within 15 days.

6.4.2 The contractor shall request the company in writing for extension of time within 15 days of happening of such event causing delay stating also, the period for which extension is required. The company may, considering the genuinity of the request, give a reasonable extension of time for completion of the work. Such extension shall be communicated to the contractor in writing by the company through the Engineer In Charge within 1(one) month of the date of receipt of such request.

6.4.3 The opinion of the Engineer-in-charge, whether the grounds shown for the extension of time are or are not reasonable, is final. If the Engineer-in-charge is of the opinion that the grounds shown by the contractor are not reasonable and declines to the grant of extension to time, the contractor can not challenge the soundness of the opinion by reference to arbitration.

The opinion of the Engineer-in-charge that the period of extension granted by him is proper or necessary is not, however, final. If the contractor feels that the period of extension granted is inadequate he can appeal to the CGM(Civil)/ GM(Civil)/ CE(Civil) of the company for consideration on the question whether the period of extension is or is not proper or necessary.

6.4.4 Provisional extension of time may also be granted by the Engineer In Charge during the course of execution, on written request for extension of time within 15(fifteen) days of happening of such events as stated above, reserving the company's right to impose/ waive penalty at the time of granting final extension of time as per contract agreement.

6.4.5 When the period fixed for the completion of the contract is about to expire, the question of extension of the contract may be considered at the instance of the Contractor or the Department or of both. The extension will have to be by party's agreement, express or implied.

In case the contractor does not apply for grant of extension of time within 15(fifteen) days of the hindrance occurring in execution of the work and the department wants to continue with the work beyond the stipulated date of completion for reason of the work having been unavoidably hindered, the Engineer-in-charge can grant extension of time even in the absence of application from the contractor.

Such extension of time granted by the Engineer In Charge is valid provided the contractor accepts the same either expressly or implied by his actions before and subsequent to the date of completion. Such extension of time shall be without prejudice to Company's right to levy compensation under the relevant clause of the contract.

The contractor shall however use his best efforts to prevent or make good the delay by putting his endeavors constantly as may be reasonably required of him to the satisfaction of the Engineer In Charge.

7. Material Supply & other facilities

7.1* The company does not undertake any responsibility for supply of any materials to the contractor.

Or

7.1* The company will supply steel both reinforcement and structural and cement at the following rates inclusive of all taxes. The contractor shall bear all the cost for transportation; handling and storage from the issuing store of the company to contractor's work site store.

- i) Reinforcement Steel:-
 - a) M.S.Round : Rs.
 - b) Tor Steel : Rs.
 - c) Structural Steel : Rs.
 - ii) Cement : Rs.
- [* delete whichever is not applicable]**

7.2 If the steel is issued by the department, the wastage of steel shall be the barest minimum. The wastage allowed from theoretical quantity will be upto a maximum of 5% to cover the wastage due to cutting into pieces, bending and other factors. No cut pieces or scrap less than 2 mtr. in length will be taken by the department. Efforts should be made to use the cut pieces of 2 mtr. or above length as far as possible.

If the wastage of steel is more than the permissible variation mentioned above the cost of excess wastage made by the contractor shall be recovered at double the issue rates indicated above, or 115% of prevailing market rate including sales tax and general tax during the period of work, whichever is more.

No allowances shall be entertained on account of Rolling Margin for the steel either issued by the department or procured by the contractor.

7.3 If the cement is issued by the department, the variation of 5% will be permitted over the theoretical consumption of cement for value of work upto Rs.10.00 lakhs and 3% for value of work above Rs.10.00 lakhs. In the event of cement consumed is more/less than specified above, the recovery for the quantity of cement consumed in excess or less than the specified quantity shall be made at double the issue rate or 115% of prevailing market rate including sales tax and general tax during the period of work, whichever is more.

7.4 In case the department is not able to supply cement/steel as per the provisions of the contract, the Engineer In Charge may allow, with the approval of CGM(Civil)/ GM(Civil)/ CE(Civil) of the company, the contractor in writing for procurement of cement/ steel from the approved sources and the extra on this account including transport charges, if any, over the issue rate shall be reimbursed to the contractor on production of authentic documents. Transportation of cement/ steel from the place of purchase to the site of work and proper storage of cement/steel at site shall be contractor's responsibility. He should maintain proper account of cement/steel issued/procured by him and should allow inspection of his godown and his cement/steel account by the concerned Engineer-in-charge or any other authorised officers of the company. Contractor should draw materials from the company on the basis of actual requirement as assessed by the Engineer In Charge on "as and when required" basis.

7.5 Recovery of cost of materials issued on sale A/c will be made as per actual consumption basis but the Engineer In Charge will have the discretion for making full recovery while processing a particular bill or asking for the return of the balance materials if the work is not progressing satisfactorily.

The contractor shall keep accurate record of materials issued by the company, maintain proper account for the materials received and consumed in the work and shall be open to check by the Engineer In Charge or his authorised representative. The contractor shall ensure that such materials are consumed for the contract works only and the Register for the aforesaid account shall be signed both by the representatives of Engineer In Charge and the contractor.

7.6 All materials, tools and plants brought to site by the contractor including the materials supplied by the company shall be deemed to be held in lien by the company and the contractor shall not have the right to remove the same from the site, without the written permission of the Engineer In Charge. The company shall not however be liable for any loss, theft or damage due to fire or other cause during this period of lien, the responsibility for which shall lie entirely on the contractor.

7.7 The contractor shall bear the cost of loading, transportation to site, unloading, storing under cover as required etc. as may be necessary for the use and keeping the materials in good condition.

7.8 Any surplus materials issued by the company, remaining after completion or termination of the contract, shall be returned by the contractor at his cost to the place of issue and the Engineer In Charge shall accept the same at the rate not exceeding the rate at which these were originally issued taking into consideration the deterioration or damage, if any, that may have been caused during the custody of the contractor. In the event, the contractor fails to return the surplus materials out of those supplied by the company, the Engineer In Charge may, in addition to any other liability which the contractor would incur in this regard, by giving notice in writing require the contractor to pay the amount at double the issue rate for such unreturned surplus materials or 115% of the prevailing market rate including Sales Tax & General Tax during the period of work, whichever is more.

7.9 On completion or on termination of the contract and on complete recovery of secured advance paid by the company, if any, in respect of materials brought to site, the contractor with due permission of the Engineer In Charge shall be entitled to remove at his expenses all surplus materials originally supplied by him and upon such removal, the same shall become the property of the contractor.

7.10 All charges on account of octroi, terminal or sales tax and other duties on materials obtained for the works from any source (excluding materials supplied by the company) shall be borne by the contractor.

7.11 The contractor shall arrange necessary electricity at his own cost for the work and his own establishment. However, if available and feasible the company may arrange electricity at one point near the work site and necessary recovery of cost of energy consumed will be made at rates prescribed by the company from time to time. Energy meter for this purpose shall be provided by the contractor.

7.12 The contractor shall arrange necessary water for the work and his own establishment. However, if available and feasible the company may arrange water at one point near the work site for which recovery @ 1% of the contract value of work done will be made from the contractor's bills.

7.13 Coal required for manufacturing of bricks to be used in the work will be issued @ 25 tonnes per one lakh of bricks on payment at the rate prevailing on the date of issue. Requirement of coal may vary depending on the quality of coal. Transportation of coal and the charges thereof shall be contractor's responsibility.

7.14 Explosives, detonators and other inflammable materials shall not be used in the execution of the work at site by the contractor without prior written permission of the Engineer In Charge. Transportation and storage of such materials shall be done in specified manner in accordance with the law in force. The contractor shall also obtain licence under such laws for, transportation, storage, use and all other operations, connected with the handling of the same.

8. Quality Assurance - Materials and Workmanship

The contractor shall carry out and complete the work in every respect in accordance with the contract and shall ensure that the work conforms strictly to the drawings, specifications, instructions of the Engineer In Charge. The Engineer In Charge may issue, from time to time, further drawings, detailed instructions/ directions in writing to the contractor. All such drawings, instructions/directions shall be consistent with the contract documents and should be reasonably inferable therefrom, alongwith clarifications/ explanations thereof, if necessary.

8.1 For Quality Assurances of all the Civil Engineering Works the norms/ guidelines laid down by the company herein and elsewhere will form part of the contract for the purpose of quality of works.

8.2 The contractor shall be responsible for correct and complete execution of the work in a workman like manner with the materials as per specification which shall be subject to the approval of the company. All work under execution in pursuance of the contract shall be open to inspection and supervision by the Engineer In Charge or by his authorised representative or any other official of higher rank or any other person authorised by the company in his behalf & the contractor shall allow the same.

8.3 All materials to be provided by the contractor shall be in conformity with the specifications/schedule of work as per the contract and the contractor shall furnish proof, if so required by the Engineer In Charge to his satisfaction that the materials do so comply.

8.4 The contractor shall immediately after the award of work draw up a schedule giving dates for submission of samples as required or necessary as per the specification for approval of Engineer In Charge who shall approve, if found acceptable, promptly so that there is no delay in the progress of the work of the contractor or of the work of any of the sub-contractor.

On receipt of samples as per schedule, the Engineer In Charge shall arrange to examine/test with reasonable promptness ensuring conformity of the samples with the required specification and complying with the requirements as per contract documents keeping in view that the work shall be in accordance with the samples approved by him. The contractor shall not start bringing materials at the site unless the respective samples are approved. Materials conforming to approved samples shall only be brought to site.

Samples are to be supplied by the contractor at his own cost. The cost involved in tests shall be borne by the contractor. If any test is ordered by the Engineer In Charge which is to be carried out by any independent person or agency at any place other than the site even then the cost of materials and testing charge etc. shall be borne by the contractor. If the test shows that the materials are not in accordance with the specifications, the said materials shall not be used in the work and removed from the site at contractors cost.

8.5 The company, through the Engineer In Charge, shall have full powers to reject any materials or work due to a defect therein for not conforming to the required specification, or for materials not being of the required quality and standard or for reasons of poor workmanship or for not being in accordance with the sample approved by him. The contractor shall forthwith remedy the defect/replace the materials at his expense and no further work shall be done pending such rectification/replacement of materials, if so instructed by the Engineer In Charge.

In case of default on the part of the contractor, the Engineer In Charge shall be at liberty to procure the proper materials for replacement and/or to carry out the rectifications in any manner considered advisable under the circumstances and the entire cost & delay for such procurement/rectification shall be borne by the contractor.

8.6 The Engineer In Charge shall be entitled to have tests carried out for any materials, according to the standard practice followed for such tests, other than those for which satisfactory proof has already been furnished by the contractor who shall provide at his expense all facilities which the Engineer In Charge may require for the purpose.

The cost of any other tests, if so required by the Engineer In Charge, shall be borne by the contractor only, if the test shows the workmanship or materials not to be in accordance with the provision of the contract or the instruction of Engineer In Charge, but otherwise by the company.

8.7 Access to the works: The Engineer-in-charge and any person authorised by the company shall at all times have access to the works and to all workshops and places where work is being prepared or from where materials, manufactured articles are being obtained for the works and the contractor shall afford every facility for and every assistance in or in obtaining the right to such access.

8.8 Inspection of works: i) No work shall be covered up or put out of view without the approval of the Engineer-in-charge or the Engineer-in-charge's representative or any other officer nominated by the company for the purpose and the contractor shall afford full opportunity for the EIC or EIC's representative or any other officer nominated by the company for the purpose to examine and measure any work which is about to be covered up or put out of view and to examine foundations before permanent work is placed thereon. the contractor shall give due notice to the Engineer-in-charge's representative whenever any such work or foundations is ready or about to be ready for examination and the Engineer-in-charge's representative shall, without unreasonable delay, unless he considers it unnecessary and advises the contractor accordingly, attend for the purpose of examining and measuring such work or foundations.

ii) The contractor shall uncover any part or parts of the works or making openings in or through the same as the Engineer In Charge may from time to time direct and shall reinstate and make good such part or parts to the satisfaction of Engineer-in-charge.

If any such part or parts have been covered up or put out of view after compliance with the requirement of sub-clause above and are found to be executed in accordance with the contract, the expenses of uncovering, making openings in or through and making good the same shall be borne by the Employer, but in any other cases all costs shall be borne by the contractor.

8.9 Removal of Improper Work and Materials:

i) The Engineer-in-charge shall during the progress of the works have power to order in writing from time to time :

- a) The removal from the site, of any materials which in the opinion of Engineer-in-charge, are not in accordance with the contract/ work order/ approved sample.
- b) The substitution with proper and suitable materials.
- c) The removal and proper re-execution, notwithstanding any previous test thereof or interim payment therefrom, of any work which in respect of materials or workmanship is not in accordance with the contract.

ii) In case of default on the part of the contractor in carrying out such order, the Engineer-in -charge shall be entitled to employ and pay other agency to carry out the same and all expenses consequent thereon shall be recoverable from the contractor or may be deducted from any amount due or which may become due to the contractor.

8.10 Devaluation of Work : In lieu of rejecting work done or materials supplied not in conformity with the contract/work order/approved samples , the Engineer-in-charge or any other officer nominated by the company for the purpose may allow such work or materials to remain, provided the Engineer In Charge/ the officer nominated by the company is satisfied with the quality of any materials, or the strength and structural safety of the work, and in that case shall make such deduction for the difference in value, as in his opinion may be reasonable.

8.11 Final Inspection of Work: The Engineer-in-charge and any other officer nominated by the company for the purpose shall make final inspection of all work included in the contract/work order, or any portion thereof, or any completed structure forming part of the work of the contract, as soon as practicable after notification by the contractor that the work is completed and ready for acceptance. If the work is not acceptable to the Engineer-in-charge at the time of such inspection, he shall inform the contractor in writing as to the particular defects to be remedied before final acceptance can be made.

8.12 Defects appearing after acceptance: Any defects which may appear within the defect liability period and arising, in the opinion of the Engineer-in-charge, from lack of conformance with the drawings and specifications, shall, if so required by the Engineer-in-charge in writing, be remedied by the contractor at his own cost within the time stipulated by the Engineer-in-charge. If the contractor fails to comply, the Engineer-in-charge may employ other persons to remedy the defects and recover the cost thereof from the dues of the contractor.

8.13 Site Order Book : A Site Order Book is a Register duly certified by the Engineer-in-charge regarding number of pages it contains, each page being numbered, name of work, name of contractor, reference of contract/ work order and the aforesaid certificate should be recorded on its first page.

Site Order Books shall be maintained on the sites of works and should never be removed therefrom under any circumstances. It shall be the property of the company. The Engineer In Charge or his authorised representative shall duly record his observations regarding any work which needs action on the part of the contractor like, improvement in the quality of work, failure to adhere to the scheduled programme etc. as per contract/work order. The contractor shall promptly sign the site order book and note the orders given therein by the EIC or his representative and comply with them. The compliance shall be reported by the contractor in writing to EIC in time so that it can be checked.

The Site Order Book will be consulted by the Engineer In Charge at the time of making both running on account and final bills of the contractor. A certificate to this effect should be given in the Measurement books by the Engineer In Charge or his representative.

8.14 Samples and Testing of Materials: All the materials to be procured by the contractor and to be used in work shall be approved by the Engineer In Charge in advance, and shall pass the tests and analysis required by him, which will be as specified in the specifications of the items concerned and or as specified by BIS or the IRC standard specifications acceptable to the Engineer In Charge. The method of sampling and testing shall be as per the relevant BIS, IRC and other relevant standards and practices. Minor minerals like sand, stone chips etc. shall be conforming to relevant BIS standards. All bought out items including Cement and Steel shall be procured from such manufacturers who hold valid license conforming to relevant BIS standards for manufacturing of such items.

8.15 Storage of Materials : Materials shall be so stored as to ensure the preservation of the quality and fitness for the work. When considered necessary by the Engineer-in-charge, they shall be placed on wooden platforms or other hard, clean surfaces and not directly on the ground.

Materials shall be placed under cover when so directed and the contractor shall erect and maintain at his own cost temporary weather-proof sheds at the work site for the purpose. Stored materials shall be so located as to facilitate prompt inspection. All stored materials shall be inspected at the time of use in the work, even though they may have been inspected and approved before being placed in storage or during storage.

8.16 Defective Materials: All materials not conforming to the requirements of the specifications shall be considered as defective, and all such materials, whether in place or not shall be rejected. They shall be removed immediately by the contractor at his expenses and replaced with acceptable material.

No rejected material, the defects of which have been subsequently corrected, shall be used on the work until approval in writing has been given by the Engineer In Charge. Upon failure on the part of the contractor to comply with any instruction of the Engineer-in-charge made under the provisions of this article within the time stipulated by the Engineer-in-charge, the Engineer-in-charge shall have authority to remove and replace defective material and recover the cost of removal and replacement from the contractor.

Further all such defective material lying at site not removed and replaced within 30 days after issue of notice by the Engineer-in-charge, if the Engineer-in-charge so decides, shall dispose off such material in any manner without any further written notice to the contractor.

9. Measurement and Payments

Except where any general or detailed description of the work in the Bill of Quantities or specifications of the contract/ work order provides otherwise, measurement of work done shall be taken in accordance with the relevant standard method of measurement published by the Bureau of Indian Standards(BIS) and if not covered by the above, other relevant Standards/practices shall be followed as per instructions of the Engineer In Charge.

9.1 All items of work carried out by the contractor in accordance with the provision of the contract having a financial value shall be entered in the Measurement Book as prescribed by the company so that a complete record of the measurements is available for all the works executed under the contract and the value of the work executed can be ascertained and determined therefrom. Measurements of completed work / portion of completed work shall be recorded only in the Measurement Books.

9.2 Measurement shall be taken jointly by the Engineer-in-Charge or his authorised representative and by the contractor or his authorised representative.

9.3 Before taking measurements of any work, the Engineer In Charge or the person deputed by him for the purpose shall intimate the contractor to attend or to send his representative to attend the measurement. Every measurement thus taken shall be signed and dated by both the parties on the site on completion of the measurement. If the contractor objects to any measurements, a note to that effect shall be made in the Measurement Book / Log Book and signed and dated by both the parties.

9.4 The measurement of the portion of work/items of work objected to, shall be re-measured by the Engineer In Charge himself or the authority nominated by the company for the purpose in the presence of the contractor or his authorised representative and recorded in the M.B. which shall be signed and dated by both the parties. Measurements so recorded shall be final and binding upon the contractor and no claim whatsoever shall thereafter be entertained.

In case the contractor or his authorised representative does not attend to the joint measurements at the prefixed date and time after due notice, the measurements taken by the Engineer In Charge or his representative shall be final and binding on the contractor.

Measurement of the extra items of work or excess quantities of work duly authorised in writing by the Engineer In Charge shall also be taken and recorded in the M.B. based on the existing items in the SOR of the company and if such items do not exist in the company's SOR, the description of the work shall be as per actual execution. Payment for such extra items will be based on the rates to be derived as described in the relevant clauses of the contract/ work-order

9.5 No work shall be covered up or put out of view without the approval by the Engineer In Charge and recording of measurements and check measurement thereof duly accepted by the contractor. The contractor shall provide full opportunity to the Engineer In Charge or his representative to examine and measure all works to be covered up and to examine the foundations before covering up.

The contractor shall also give notice to Engineer In Charge whenever such works or foundations are ready for examination and the Engineer In Charge shall without unreasonable delay arrange to inspect and to record the measurements, if the work is acceptable and advise the contractor regarding covering of such works or foundations.

9.6 In case of items which are claimed by the contractor but are not admissible according to the department, measurements of such items, will be taken by for record purposes only and without prejudice so that in case it is subsequently decided by the department to admit the contractor's claims, there should be no difficulty in determining the quantities of such work. A suitable remark should, however, be made against such measurements to guard against payment in the ordinary way.

9.7 Payments: The running on account payments may be made once in a month or at intervals stipulated in the work order/ contract agreement.

9.7.01 Running on account bill/bills for the work executed/ materials supplied in accordance with the work order/ contract shall be prepared on the basis of detailed measurements recorded as described hereinbefore and processed for payments.

9.7.02 Payment of on account bill shall be made on the Engineer In Charge's certifying the sum to which the contractor is considered entitled by way of interim payment for the following :

a) The work executed as covered by the bill/bills after deducting the amount already paid, the security deposit and such other amounts as may be deductible or recoverable in terms of the work order/ contract.

b) (i) Payment for excess quantity of work done with the written instructions of the Engineer In Charge for items already appearing in the bill of quantities of work with approved rates, will be made alongwith the on account bills only upto 10% of the quantity provided in the agreement subject to overall value of work not exceeding the agreement value.

(ii) The CGM(Civil)/ GM(Civil)/ CE(Civil) of the company and / or the Staff Officer(C) of the Area may authorise interim payment for excess work done upto 20 % of the quantity of work provided in the Bill of Quantity of the work awarded from Company level and Area level respectively subject to overall value of work done does not exceed the contract value.

c) Extra items of work executed will be paid on specific written authorisation of CGM (Civil)/ GM(C)/ CE(C) of the company or Staff Officer (Civil) of the Area provided that the value of such extra items of work when added together is not more than 10% of the contract value and the total gross payment including excess quantity does not exceed the contract value.

Balance amount on account of excess quantity and extra items of work executed shall be paid after the deviation estimate / revised estimate regularising the extra items and excess quantities of work is sanctioned by the competent authority of the company with the concurrence of the Finance Department of the company.

d) On the Engineer In Charge's certificate of completion in respect of the work covered by the contract / final measurements of the work certified by the Engineer In Charge or his representative.

9.7.03 The measurements shall be entered in the M.B for the work done upto the date of completion and evaluated based on the approved rates for the items in the contract agreement/sanctioned revised estimate. In case of extra items of work, the rates shall be derived as stated in the relevant clause of the contract.

The payments shall be released against the final bill subject to all deductions which may be made on account of materials supplied, water supply for construction, supply of electricity and any other dues payable by the contractor to the company, and further subject to the contractor having given to the Engineer In Charge a no claim certificate.

The contractor shall indemnify the company against proof of depositing royalty on account of minor minerals used in the work before the final bill is processed for payments. The final payment to be made will also be subject to Clause-4.5 of the General Terms & Conditions of the contract.

9.7.04 Any certificate given by the Engineer In Charge for the purpose of payment of interim bill/bills shall not of itself be conclusive evidence that any work/materials to which it relate is/are in accordance with the contract and may be modified or corrected by the Engineer In Charge by any subsequent certificate or by the final certificate.

9.7.05 The company reserve the right to recover/enforce recovery of any over payments detected after the payment as a result of post payment audit or technical examination or by any other means, not withstanding the fact that the amount of disputed claims, if any, of the contractor exceeds the amount of such overpayment and irrespective of the facts whether such disputed claims of the contractor are the subject matter of arbitration or not.

The amount of such over payments shall be recovered from subsequent bills under the contract, failing that from contractor's claim under any other contract with the company or from the contractor's security deposit or the contractor shall pay the amount of over payment on demand. In case of contractor's non-payment on such demand, the same should be realised from the contractor's dues, if any, with Coal India Limited or any of its subsidiaries.

9.7.06 The contractors are required to execute all works satisfactorily and according to the specifications laid down in the contract/ work order. If certain items of work, executed by the contractor, are below specifications, the contractor should re-do them according to the specifications and instructions of EIC and if the contractor fails to rectify the defect within the time and in the manner specified by the EIC, the work shall be got re-done or rectified by the department at the risk and cost of the contractor. Engineer In Charge may accept such work of below specifications provided the department is satisfied with the quality of such works and the strength/ structural safety of such works. In that case Engineer In Charge shall make such deductions for the difference in value, as in his opinion is reasonable and is approved by the accepting authority of the company i.e. CGM(C)/ GM(C)/ CE(C) of the company in this case or any other officer nominated by CGM(C)/ GM(C)/ CE(C) for the purpose.

9.7.07 Payment Stage: The payment stage involved will be as under,

- i) Signature of EA(Civil)/ Sr. Overseer(C) / Overseer(C) in MB's both in pages recording measurements, abstract of bill & the duly filled in bill form.
- ii) Signature of Engineer(C)/ EE(C) with appropriate check measurements in the MB's and the bill form.
- iii) Signature of Sr. EE(C)/ SE(C) with appropriate check measurements in MB's and the bill form.**
- iv) Signature of Engineer in Charge as per definition as at clause 1(vii) of the General Terms and Conditions, as a token of acceptance for payment of the bill. The EIC may sign in the abstract of the bill in the MB & the bill form. In between stage iii) and iv) accountal checking may be made by the concerned Accounts Officer/ Accountant.

9.7.08 Secured Advance: Secured advance can be paid for items of materials required for execution of the work and covered under categories A & B and supplied by the contractor at work site, supported by necessary vouchers, challans, test certificates etc. after execution of indemnity bond as per prescribed Form of the company on non-judicial stamp paper of prescribed value.

This advance shall be recovered in four equal installments or as per consumption whichever is higher. Engineer In Charge shall recover at his discretion all or any part of secured advance paid, if in his opinion the work is not progressing satisfactorily or the security of these materials at site is not adequately taken care of by the contractor. Secured advance shall be payable for contracts of value above Rs.10.00 lakhs only.

Secured advance for structural steel sections, reinforcement steel and cement, collected at site, will be paid upto 75% of the corresponding stock yard prices of SAIL for the corresponding steel items and Govt. approved/ D.G.S.D. prices for cement, if the same exist.

In case of non-availability of Govt. approved prices of cement & steel and for the materials falling under Category - A and B the secured advance will be paid at the basic rate available in the approved schedule of rates of the company plus or minus the overall percentage on which the work was awarded, provided such rate is not more than 60% of the quoted rate of the contractor for the actual work.

At any point of time the outstanding recoverable secured advance shall not be more than 10% of the contract value.

Items against which secured advance can be granted:

Category-A

Civil:

1. Bricks
2. Stone and brick aggregate
3. Stones
4. Finished products of brass, iron and steel such as doors & windows frames, wire mesh, gate, GI Sheets.
5. Pre-cast R.C.C. products such as pipes, jali, water storage tanks etc.
6. Doors & Window fittings.
7. Pipes and sanitary fittings of CI, SCI & HCI

Electrical :

1. Steel conduits
2. G.I. Pipes
3. I.C. Boards
4. Switchgears (Air circuit breakers and Air break switches)
5. C.I. Boxes.
6. A.C.S.R. Conductors
7. A.C. Plant & Machinery
8. Pumps
9. Generating sets (without oil)

Items against which secured advance can be granted:

Category- B

Civil:

1. Glazed tiles, terrazzo tiles and similar articles.
2. Marble slabs
3. Asbestos cement products
4. Finished timber products such as doors, windows, flush doors, particle boards (subject to mandatory test being satisfactory) etc.
5. Bitumen in sealed drums
6. Bitumen felt
7. Polythene pipes and fittings and tanks
8. Sanitary fittings and pipes of S.W., porcelain and chinaware materials
9. Laminated / Safety, one way vision, and bullet proof glasses.
10. Chemical required for anti-termite treatment (in sealed drums)
11. Paints, varnishes, distempers, pigment, spirits etc.

Electrical:

1. Transformers
2. Oil-filled switch gears.
3. L.T. & H.T. Cables
4. Fans
5. Storage and Dry Batteries
6. Insulation tapes
7. Epoxy cable compounds
8. Electric light fittings
9. Wooden battens, casing & capping and wooden boards
10. Flexible wires
11. PVC materials
12. Oil and lubricants
13. Rubber materials
14. Glass wool, thermocole & other insulating materials
15. Porcelain H.T. and L.T. insulators.

In addition to indemnity bond, for materials listed under Category-B, the contractor shall be required to provide necessary insurance cover of equivalent value of materials.

Items against which no secured advance shall be granted:

Civil:

1. Glass products other than those indicated in Category-B.
2. Sand and moorum
3. Chemical compounds other than those indicated in Category-B.

Electrical:

1. Glass gloves and shades
2. Bulbs and tubes
3. Petrol and diesel
4. Freon and other refrigeration gases.

9.8 Income tax deduction @ 2% (Two percent) of the gross value of each bill or at the rate as amended from time to time, shall be made unless exempted by the competent authority of the Income Tax Department

Sales tax on works contract shall be payable by the contractor. If, however, the company is asked to make deduction from the contractor's bills, the same shall be done and a certificate to this effect shall be issued to the contractor for dealing with the State Govt. and the company does not take any responsibility to do anything further in this regard.

9.9 No interest shall be payable on the amounts withheld, under the terms of the Contract Agreement/Work-order.

10. Termination, Cancellation, Suspension and Foreclosure of Contract

The company shall, in addition to other remedial steps to be taken as provided in the conditions of contract be entitled to cancel the contract in full or in part, if the contractor :-

a) makes default in proceeding with the works with due diligence and continues to do so even after a notice in writing from the Engineer In Charge, then on the expiry of the period as specified in the notice

Or

b) commits default/breach in complying with any of the terms and conditions of the contract and does not remedy it or fails to take effective steps for the remedy to the satisfaction of the Engineer In Charge, then on the expiry of the period as may be specified by the Engineer In Charge in a notice in writing.

Or

c) obtains a contract with the company as a result of ring tendering or other non-bonafide methods of competitive tendering

Or

d) shall offer or give or agree to give any person in the service of the company or to any other person on his behalf any gift or consideration of any kind as an inducement or reward for act/acts of favour in relation to the obtaining or execution of this or any other contract for his company.

Or

e) fails to complete the work or items of work with individual dates of completion, on or before the date/dates of completion or as extended by the company, then on the expiry of the period as may be specified by the Engineer In Charge in a notice in writing.

Or

f) transfers, sublets, assigns the entire work or any portion thereof without the prior approval in writing from the Engineer In Charge. The Engineer In Charge may by giving a written notice, cancel the whole contract or portion of it in default.

10.1 The contract shall also stand terminated under any of the following circumstances :

a) If the contractor being an individual in the case of proprietary concern or in the case of a partnership firm any of its partners is declared insolvent under the provisions of Insolvency Act for the time being in force, or makes any conveyance or assignment of his effects or composition or arrangement for the benefit of his creditors amounting to proceedings for liquidation or composition under any Insolvency Act.

b) In the case of the contractor being a company, its affairs are under liquidation either by a resolution passed by the contractors company or by an order of court, not being a voluntary liquidation proceedings for the purpose of amalgamation or reorganisation, or a receiver or manager is appointed by the court on the application by the debenture holders of the contractor's company, if any.

c) If the contractor shall suffer an execution being levied on his/their goods, estates and allow it to be continued for a period of 21 (twenty-one) days.

d) On the death of the contractor being a proprietary concern or of any of the partners in the case of a partnership concern and the company is not satisfied that the legal representative of the deceased proprietor or the other surviving partners of the partnership concern are capable of carrying out and completing the contract. The decision of the company in this respect shall be final and binding which is to be intimated in writing to the legal representative or to the partnership concern.

10.2 On cancellation of the contract or on termination of the contract, the Engineer In Charge shall have powers:

a) to take possession of the site and any materials, constructional plant, equipments, stores etc. thereon.

b) to carry out the incomplete work by any means at the risk and cost of the contractor.

c) to determine the amount to be recovered from the contractor for completing the remaining work or in the event the remaining work is not to be completed the loss/damage suffered, if any, by the company after giving credit for the value of the work executed by the contractor upto the time of cancellation less on a/c payments made till date and value of contractor's materials, plant, equipments, etc. taken possession of after cancellation.

d) to recover the amount determined as above, if any, from any money due to the contractor on any account or under any other contract and in the event of any shortfall, the contractor shall be called upon to pay the same on demand. The need for determination of the amount of recovery of any extra cost/expenditure or of any loss/damage suffered by the company shall not however arise in the case of termination of the contract for death/demise of the contractor as stated in clause 10.1(d) of the contract.

e) to give the contractor or his representative of the work 7 (seven) days notice in writing for taking final measurement for the works executed till the date of cancellation or termination of the contract. The Engineer In Charge shall fix the time for taking such final measurement and intimate the contractor in writing. The final measurement shall be carried out at the said appointed time notwithstanding whether the contractor is present or not. Any claim as regards measurement which the contractor is to make shall be made in writing within 7 (seven) days of taking final measurement by Engineer-In-charge as aforesaid and if no such claim is received, the contractor shall be deemed to have waived all claims regarding above measurements and any claim made thereafter shall not be entertained.

10.3 Suspension of Work:

i) The company shall have power to suspend the work or any part thereof and the Engineer In Charge may direct the contractor in writing to suspend the work, for such period and in such manner as may be specified therein, on account of any default on the part of the contractor, or for proper execution of the work for reasons other than any default on part of the contractor, or on ground of safety of the work.

ii) In the event of suspension for reasons other than any default on the part of the contractor, extension of time shall be allowed by the company equal to the period of such suspension and the contractor shall properly protect and secure the works to the extent necessary during such suspension.

The contractor shall carry out the instructions given in this respect by the Engineer-In Charge & if such suspension exceeds 45 (forty five) days, the contractor will be compensated on mutually agreed terms.

10.4 The work shall, throughout the stipulated period of contract, be carried out with all due diligence on the part of the contractor. In the event of termination or suspension of the contract, on account of default on the part of the contractor, as narrated hereinbefore, the security deposit and other dues of this work or any other work done under this company shall be forfeited and brought under the absolute disposal of the company provided, that the amount so forfeited shall not exceed 10 (ten) percent of the contract value.

10.5 Foreclosure of contract:

If at any time after acceptance of the tender the company decides to abandon for any reason whatsoever the company, through its Engineer In Charge, shall give notice in writing to that effect to the contractor. In the event of abandonment the company shall be liable :-

- a) to pay reasonable amount assessed and certified by the Engineer In Charge of the expenditure incurred, if any, by the contractor on preliminary works at site e.g. temporary access roads, temporary construction for labour and staff quarters, office accommodation, storage of materials, water storage tanks and water supply for the work including supply to labour/ staff quarters, office etc.
- b) to pay the contractor at the contract rates full amount for works executed and measured at site upto the date of such abandonment.
- c) to pay for the materials brought to site or to be delivered at site, which the contractor is legally liable to pay, for the purpose of consumption in works carried out or were to be carried out but for the foreclosure, including the cost of purchase and transportation and cost of delivery of such materials. The materials to be taken over by the company should be in good condition and the company may allow at its discretion the contractor to retain the materials in full or in part if so desired by him and to be transported by the contractor from site to his place at his own cost with due permission of the EIC.
- d) to take back the materials issued by the company but remaining unused, if any, in the work on the date of abandonment/reduction in the work, at the original issue price less allowance for any deterioration or damage caused while in custody of the contractor.
- e) to pay for the transportation of tools and plants of the contractor from site to contractor's place or to any other destination, whichever is less.

10.5.01 The contractor shall, if required by the Engineer In Charge, furnish to him books of accounts, papers, relevant documents as may be necessary to enable the Engineer In Charge to assess the amounts payable in terms of clauses 10.5(b) (c) & (e) of the contract. The contractor shall not have any claim for compensation for abandonment of the work, other than those as specified above.

11. Completion Certificate / Defect Liability Certificate

Except in cases where the contract provides for "Performance Test" before issue of Defect Liability certificate, in which case the issue of Defect Liability certificate shall be in accordance with the procedure specified therein, the contractor shall give notice of completion of work, as soon as the work is completed, to the Engineer In Charge. The Engineer In Charge and or any other Officer, nominated for the purpose by the company, shall within 30 (thirty) days from the receipt thereof, inspect the work and ascertain the defects/deficiencies, if any, to be rectified by the contractor as also the items, if any, for which payment shall be made at reduced rate.

If the defects, according to the Engineer In Charge are of a major nature and the rectification of which is necessary for the satisfactory performance of the contract, he shall intimate in writing the defects and instruct the contractor to rectify the defects/remove deficiencies within the period and in the manner to be specified therein. In such cases Defect Liability Certificate will be issued by the EIC after the above rectifications are carried out/ deficiencies are removed by the contractor to the satisfaction of EIC.

In the event there are no defects or the defects/ deficiencies are of a minor nature and the Engineer In Charge is satisfied that the contractor has already made arrangements for rectification, or in the event of contractor's failure to rectify the defects for any reason whatsoever, the defects can be rectified by the company departmentally or by other means and the 50% of the security deposit of the contractor shall be sufficient to cover the cost thereof, he shall issue the Defect Liability Certificate (Taking Over Certificate with list of defects)indicating the date of completion of the work, defects to be rectified, if any, and the items, if any, for which payment shall be made at reduced rate indicating reasons therefor and with necessary instructions to the contractor to clear the site/place of work or all debris/ waste materials, scaffoldings, sheds, surplus materials etc. making it clean.

11.1 In cases where separate period of completion for certain items or groups of items are specified in the contract, separate Defect Liability certificate for such items or groups of items may be issued by the Engineer In Charge after completion of such items on receipt of notice from the contractor only in the event the work is completed satisfactorily in every respect.

Refund of security deposit and payment of final bill shall, however, be made on completion of the entire contract work, but not on completion of such items of work.

12. Additional Responsibilities of the Contractor(s)

The cost on account of the "Additional Responsibilities of the Contractors" under this clause is deemed to be included in the tendered rates.

i) The company reserves the right to let other contractors also works in connection with the Project and the contractor/contractors shall co-operate in the works for the introduction and stores and materials and execution of his/their works.

ii) The contractor/contractors shall keep on the work site during the progress a competent and experienced Resident Engineer exclusively for the work and necessary assistants who shall represent the contractor(s). The contractor shall employ, on the site in connection with the execution and maintenance of the work, the following technical staff :

For Buildings Roads, Water Supply & Sanitary Works:

- | | |
|---|---|
| 1) For value of work ranging from Rs.10 lakhs to Rs.20 lakhs. | 1 Experienced Diploma holder. |
| 2) For value of work above Rs.20 lakhs and upto Rs.1 crore. | 1 Experienced Graduate Engineer in addition to Diploma holder as per sl.no.4 below. |
| 3) For value of work in excess of Rs.1 crore & for every additional Rs.2 crores or part thereof. | 1 Graduate Engineer extra in addition to Graduate Engineer and Diploma holder as per sl.no.1 & 4. |
| 4) For value of work in excess of Rs.20 lakhs & for every additional Rs.50 lakhs or part thereof. | 1 Diploma holder extra. |

For Industrial Structures :

- | | |
|---|---|
| 1) For value of work ranging from Rs.5 lakhs to Rs.15 lakhs. | 1 Experienced Diploma holder. |
| 2) For value of work above Rs.15 lakhs and upto Rs.75 lakhs. | 1 Experienced Graduate Engineer in addition to Diploma holder as per sl.no.4 below. |
| 3) For value of work in excess of Rs.75 lakhs & for every additional Rs.1.5 crores or part thereof. | 1 Graduate Engineer extra in addition to Graduate Engineer and Diploma holder as per sl.no.1 & 4. |
| 4) For value of work in excess of Rs.15 lakhs & for every additional Rs.50 lakhs or part thereof. | 1 Diploma holder extra. |

The contractor shall intimate the Engineer In Charge in writing the names, qualifications, experience and full postal address of each and every technical personnel employed at site by him.

The contractor(s) shall not be allowed to execute the work unless he/they engage the required technical staff at site as stated above. The delay on this account, if any, shall be the contractor's responsibility.

Important instructions shall be confirmed to the contractor(s) in writing. If the contractor/contractors in course of the works finds/find any discrepancy between the drawing, forming part of the contract documents and the physical conditions of the locality or any errors or omissions in drawings except those prepared by himself / themselves and not approved by the Engineer In Charge. It shall be his/their duty to immediately inform the Engineer In Charge in writing and the Engineer In Charge shall verify the same. Any work done after such discovery and without intimation as indicated above will be done at the risk of the contractor/contractors.

iii) The contractor / contractors shall employ only competent, skillful and orderly men to do the work. The Engineer In Charge shall have the right to ask the contractor/ contractors to remove from the work site any men of the contractor/contractors who in his opinion is undesirable and the contractor/contractors will have to remove him within 3 (three) hours of such orders.

The contractor shall employ apprentices in the execution of the contract work as required under Apprentices Act.

The contractor shall further be responsible for making arrangements at his own cost, or accommodation and social needs of the staff and workers under his employment.

iv) Precautions shall be exercised at all times by the contractor(s) for the protection of persons (including employees) and property. The safety required or recommended by all applicable laws, codes, statutes and regulations shall be observed by the contractor(s). In case of accidents, the contractor(s) shall be responsible for compliance with all the requirements imposed by the Workmen's Compensation Act or any other similar laws in force, and the contractor(s) shall indemnify the company against any claim on this account.

All scaffoldings, ladders and such other structures which the workmen are likely to use shall be examined by the Engineer In Charge or his authorised representative whenever they want and the structure must be strong, durable, and safe and of such design as required by Engineer In Charge.

In no case any structure condemned by the Engineer In Charge or his authorised representatives shall be kept on the work and such structure must be pulled down within three hours of such condemnation and any certificate or instructions, however, shall in no way absolve the contractor/contractors from his/their responsibility, as an employer, as the company shall in no way be responsible for any claim.

The contractor / contractors shall at all times exercises reasonable precautions for the safety of employees in the performance of his/their contract and shall comply with all applicable provisions of the safety laws drawn up by the State Govt. or Central Govt. or Municipalities and other authorities in India. The contractor/contractors shall comply with the provision of the safety hand book as approved and amended from time to time by the Government of India.

- v) The contractor / contractors shall familiarise themselves with and be governed by all laws and rules of India and Local statutes and orders and regulations applicable to his/ their work.
 - vi) The contractor shall maintain all records as per the provision made in the various statutes including Contract Labour (Regulation & Abolition) Act, 1970 and the Contract Labour (Regulation & Abolition) Central Rules, 1971, Minimum Wages Act, Workmen Compensation Act etc. and latest amendment thereof. Such records maintained by the contractor shall be opened for inspection by the Engineer In Charge or by the nominated representative of the Principal Employer.
 - vii) The contractor/ contractors shall provide facilities for the sanitary necessities of all persons employed on the work shall be constructed and maintained in the number, manner and place approved or ordered by the Engineer In Charge. The contractor/contractors shall vigorously prohibit committing of nuisance at any other place. Cost of all works under this item shall be covered by the contractor/contractor's tendered rates.
 - viii) The contractor/contractors shall furnish to the Engineer In Charge or his authorised representative with work reports from time to time regarding the contractor / contractors organisation and the progress made by him / them in the execution of the work as per the contract.
 - ix) All Duties taxes and other levies, payable by the contractor under the contract or for any other cause as applicable on the last date of submission of tender shall be included in the rates, prices and the total bid price submitted by the bidder. All incidentals, overheads, etc. as may be attendant upon execution and completion of works shall also be included in the rates, process and total bid price submitted by the bidder.
- However, such duties, taxes, levies etc. which is notified after the last date of submission of tender and / or any increase over the rate existing on the last date of submission of tender shall be reimbursed by the company on production of documentary evidence in support of payment actually made to the concerned authorities.
- The company reserves the right to deduct / without any amount towards taxes, levies, etc. and to deal with such amount in terms of the provisions of the Statute or in terms of the direction of any Statutory authority and the company shall only provide with certificate towards such deduction and shall not be responsible for any reason whatsoever.
- In case the company land is used for manufacture of bricks or extraction of gravels etc. the contractor will have to pay compensation to the company (apart from the liability of the contractor to make the payment of royalty etc. to the State Government) at the same rates or royalty fixed by the State Government or an appropriate deduction may be made in the rate to be paid to the contractors.
- x) The contractor / contractors shall make his / their own arrangement for all materials, tools, staff and labourer required for the contract, which shall include cost of lead, lift, loading, unloading, railway freight, recruiting expenses and any other charges for the completion of the work to entire satisfaction of the company.
 - xi) The contractor / contractors shall make their own arrangement for carriage of all materials to the work site at his/their own cost.
 - xii) The work shall not be sublet to any other party, unless approved by Engineer In Charge, in writing.
 - xiii) a) No fruit trees or valuable plants or trees with trunk diameter exceeding 150mm shall be pulled, destroyed or damaged by the contractor/contractors or any of his/their employees without the prior permission of the company, failing which the cost of such trees or plants shall be deducted from the contractor/contractors dues at the rate to be decided by the company. The rates quoted are supposed to include clearance of shrubs and jungles and removal of such trees upto 150 mm dia., as will be permitted by the Engineer In Charge in writing.
 - c) Anything of historical or other interest or of significant value unexpectedly discovered on the site is the property of the employer. The Contractor is to notify the Nodal Officer or his nominee of such discoveries and carry out the Nodal Officer or his nominee's instructions for dealing with him.

xiv) The contractor / contractors shall not pay less than the minimum wages to the labourers engaged by him/them as per Minimum Wages Act or such other legislation or award of the minimum wage fixed by the respective State Govt. or Central Govt. as may be in force.

xv) All accounts shall be maintained properly and the company shall have the right of access and inspection of all such books of accounts etc., relating to payment of labourer considered necessary and the company may arrange for witnessing the payment to the labourer by its representatives.

xvi) The contractor shall in additions to any indemnity provided by the relevant clauses of the agreement or by law, indemnify and keep indemnified for the following :

a) The company or any agent or employee of the company against any action, claim or proceeding relating to infringement or use of any patent or design right and shall pay any royalties or other charges which may be payable in respect of any article or material included in the contract.

However, the amount so paid shall be reimbursed by the company in the event such infringement has taken place in complying with the specific directions issued by the company or the use of such article or material was the result of any drawing and/or specifications issued by the company after submission of tender by the contractor. The contractor must notify immediately after any claim being made or any action brought against the company, or any agent or employee of company in respect of any such matter.

b) The company against all claims, damages or compensation under the provisions of payment of Wages Act, 1938, Minimum Wages Act, 1948, Employer's Liability Act, 1938, The Workmen's Compensation Act, 1923, Industrial Dispute Act, 1947, Mines Act as applicable, Employees State Insurance Act 1948 and Maternity Benefit Act, 1961, Acts regulating P.F. or any modification thereof or any other law relating thereto and rules made thereunder from time to time, as may be applicable to the contract which may arise out of or in consequence of the construction or maintenance or performance of the work under the contract and also against costs, charges and expenses of any suit, action or proceedings arising out of any accident or injury.

c) The company against all losses and claims for injuries or damages to any third party or to any property belonging to any third party which may arise out of or in consequence of the construction or maintenance or performance of the work under the contract and against all claims/demands proceedings/damages, cost charges and expenses whatsoever in respect of or in relation thereto.

xvii) The contractor is under obligation to hand over to the company the vacant possession of the completed building structures failing which the Engineer In Charge can impose a levy upon the contractor upto 5% of the total contract value for the delay in handing over the vacant possession of the completed works after giving a 15 (fifteen) days notice to the contractor.

xviii) **a) INSURANCE** : The contractor shall take full responsibility to take all precautions to prevent loss or damage to the works or part thereof for any reasons whatsoever (excluding act of God e.g. flood, riots, war, earthquake, etc.) and shall at his own cost repair and make good the loss/damage to the work so that on completion, the work shall be in good order and condition and in conformity with the requirements of the contract and instructions of the Engineer In Charge.

In case of construction works without limiting the obligations and responsibilities under the contract, the contractor shall take insurance policy for the total value of work for the period from commencement to completion including defect liability period against risk of loss/ damage to the extent as permissible under the law of insurance.

The contractor shall arrange necessary insurance and pledge the same in the name of the company and all moneys payable by the insurers shall be recovered by the company which shall be paid to the contractor in installments as may be certified by the Engineer In Charge for the purpose of rebuilding or replacement or repair of the works and/or goods destroyed or damaged for which payment was received from the insurers.

b) Where any company building or part thereof is used, rented or leased by the contractor for the purpose of storing or using materials of combustible nature, the contractor shall take separate insurance policy for the entire building and the policy shall be deposited with the company.

c) The contractor shall at all times during the tenure of the contract indemnify the company against all claims, damages or compensation under the provision of the Workmen's Compensation Act and shall take insurance policy covering all risk, claims, damages, or compensation payable under the Workmen's Compensation Act or under any other law relating thereto.

d) The contractor shall ensure that the insurance policy/ policies is/are kept alive till full expiry of the contract by timely payment of premiums and it/they shall not be cancelled without the approval of the company and a provision is made to this effect in all policies, and similar insurance policies are also taken by his sub-contractors if any. The cost of premium shall be borne by the contractor and it shall be deemed to have been included in the tendered rate.

e) In the event of contractor's failure to effect or to keep in force the insurance referred to above or any other insurance which the contractor is required to effect under the terms of the contract, the company may effect and keep in force any such insurance and pay such premium/premiums as may be necessary for that purpose from time to time and recover the amount thus paid from any moneys due to the contractor.

THE CLAUSE 12 xviii SHALL BE APPLICABLE FOR WORKS OF ESTIMATED VALUE OF OVER Rs. 50 LAKHS.

xix) **Setting Out:** The contractor shall be responsible for the contract and proper setting out of the works and correctness of the position, reduced levels, dimensions and alignment of all parts of the work including marking out the correct lay out in reference to the permanent bench mark and reference points. Only one permanent bench mark and basic reference lines shall be marked and shown to the contractor as basic data.

The contractor shall have all necessary instruments, appliances and labour in connection therewith. If at any time during the progress of work any error is detected in respect of the position, levels, dimensions or alignment of any part of the work, the contractor on being required to do so by the Engineer In Charge or his representative shall at the expenses of the contractor rectify such errors to the satisfaction of Engineer In Charge unless such error is due to incorrect data supplied by the Engineer In Charge.

xx) On receipt of Letter of Acceptance of Tender / Work Order the contractor shall forthwith Register and obtain License from the competent authority under the Contract Labour (Regulation & Abolition) Act 1970, the Contract Labour (Regulation & Abolition) Central Rules, 1971 and submit certified copies of the same to the Engineer In Charge and the Principal Employer.

xxi) The contractor shall be registered with the concerned State Govt. and the Central Govt. in respect of Sales Tax Act and the certificate having details of Registration No., period of validity etc. should be submitted to the Engineer In Charge.

xxii) The contractor shall, in connection with works, provide and maintain, at his own cost, all lights, security guards, fencing when and where necessary as required by the Engineer In Charge for the purpose of protection of the works, materials at site, safety of workmen and convenience of the public.

xxiii) All materials (e.g. stone, moorum and other materials) obtained in the course of execution of the work during excavation and dismantling etc. shall be the property of the company and the same may be issued to the contractors, if required for use in the works at the rates to be fixed by the Engineer In Charge.

xxiv) Unless otherwise specifically provided for, dewatering of excavation pits, working areas etc. shall be the contractor's responsibility and is to be carried out at his own cost as per instructions of EIC. The rates quoted by the contractor shall be deemed to include the dewatering costs.

xxv) Approval by the Nodal Officer/Engineer in Charge or his nominee: The contractor shall submit specifications and drawings showing the proposed temporary work to the Nodal Officer/Engineer-in-Charge or his nominee, who is to approve them if they comply with the specifications and drawings.

The contractor shall be responsible for design of Temporary Works.

The Nodal Officer/Engineer-in-charge or his nominee's approval shall not alter the contractor's responsibility for design of the Temporary Works.

13. Defects Liability Period:

In addition to the defect/s to be rectified by the contractor as per terms of the contract/ work order, the contractor shall be responsible to make good and remedy at his own expense the defect/s mentioned hereunder within such period as may be stipulated by the Engineer In Charge in writing :

a) Any defect/defects in the work detected by the Engineer In Charge within a period of 6 (six) months from the date of issue of Defect Liability certificate / completion certificate.

b) In the case of building works or other works of similar nature any defect in the work detected by the Engineer In Charge within a period of 6 (six) months from the date of issue of Defect Liability certificate/ completion certificate or before the expiry of one full monsoon period i.e. June to October whichever is later in point of time.

13.1 A programme shall be drawn by the contractor and the Engineer In Charge for carrying out the defects by the contractor detected within the defect liability period and if the contractor fails to adhere to this programme, the Engineer In Charge shall be at liberty to procure proper materials and carry out the rectifications in any manner considered advisable under the circumstances and the cost of such procurement of materials and rectification work shall be chargeable to the contractor and recoverable from any of the pending dues of the contractors.

The defect liability period can be extended by the company on getting request from the contractor only for valid reasons.

There will be no defect liability period for works like Grass Cutting, Jungle Cutting, Surface Dressing & any other work of similar nature to be decided by the Engineer in Charge.

14. Operating and Maintenance Manual:

If "as built" drawings and/or Operating and Maintenance Manual are required the contractor shall supply them by the dates as per instruction of the Engineer-in-charge.

If the contractor does not supply the drawings and/or Manual by the dates as stated above, or they do not receive the Nodal Officer or his nominee's approval, the Nodal Officer or his nominee shall withhold the amount as stated in the agreement.

15. Settlement of Disputes/ Arbitration

15.1 It is incumbent upon the contractor to avoid litigation and disputes during the course of execution. However, if such disputes take place between the contractor and the department, effort shall be made first to settle the disputes at the company level.

The contractor should make request in writing to the Engineer-in-charge for settlement of such disputes/ claims within 30 (thirty) days of arising of the cause of dispute/ claim failing which no disputes/ claims of the contractor shall be entertained by the company.

15.2 If differences still persist, the settlement of the dispute with Govt. Agencies shall be dealt with as per the Guidelines issued by the Ministry of Finance, Govt. of India in this regard. In case of parties other than Govt. Agencies, the redressal of the dispute may be sought in the Court of Law.

ADDITIONAL SAFETY MEASURES TO BE TAKEN BY THE CONTRACTORS

SAFETY CODE

- i. Suitable scaffolds should be provided for workmen for all works that cannot safely be done from the ground or from solid construction except such short period work as can be done safely from ladder. When a ladder is used an extra Mazdoor shall be engaged for holding the ladder and if the ladder is used for carrying materials as well, suitable foot holds and handholds shall be provided on the ladder and the ladder shall be given on the inclination not steeper than $1/4$ to 1 ($1/4$ horizontal and 1 vertical).
- ii. Scaffolding or staging more than 12' above the ground or floor, swing or suspended, from an overhead support or erected with stationery support shall have a guard rail properly attached, bolted, braced and otherwise secured at least 3 feet high above the floor or platform of such scaffolding or staging and ends thereof with only such openings as maybe necessary for the delivery of materials. Such scaffoldings or staging shall be so fastened as to prevent it from swaying from the building or structure.
- iii. Working platform, gangways and stairways should be so constructed that they should not sag unduly or unequally and if the height of the platform or the gangway or the stairway is more than 12 feet above ground level or floor level they should be closely braced, should have adequate width and should be suitably fenced, as described in (ii) above.
- iv. Every opening in the floor of a building or in working platform be provided with suitable means to prevent the fall of persons or materials by providing suitable fencing or railing whose minimum height shall be 3' – 0'.
- v. Safe means of access shall be provided to all working platforms and other working places. Every ladder shall be provided securely fixed. No portable single ladder shall be over 30 feet in length while the width between side rails in rung ladder shall in no case be less than 11 – $1/2$ " for ladder upto and including 10 feet in length. For longer ladders this width should be increased at least $1/4$ " for each additional feet of length. Uniform step spacing shall not exceed 12". Adequate precautions shall be taken to prevent danger from electrical equipment. No materials on any of the sites of work shall be so stacked or placed as to cause danger or inconvenience to any person or the public. The contractor / contractors shall also provide all necessary fencing and lights to protect the public from accident and shall be bound to bear the expenses of defense of every suit action or other proceedings at all that may be brought by any person for injury sustained owing to neglect of the above precautions and to pay any damages and cost which may be awarded in any such suit, action or proceedings to any such person or which may with the consent of the contractor (s) be paid to compromise any claim by any such persons.
- vi. **Excavating and Trenching**

All trenches, feet or more in depth, shall at all times be supplied with at least one ladder for each 100 feet in length or fraction thereof. Ladder shall be extended from bottom of the trench to at least 3' above the surface of the ground. The side of the trenches which are 5' or more in depth shall be stepped back to give suitable slope or securely held by timber bracing, so as to avoid the danger of sides to collapse. The excavated materials shall not be placed within 5 feet of the edge of the trench or half of the trench whichever is more cutting shall be done from top to bottom. Under no circumstances shall mining or under cutting shall be done.

vii. Demolition

Before any demolition work is commenced and also during the process of the work

- a. All roads and open areas adjacent to the work site shall either be closed or suitable protected.
- b. No electric cable "or apparatus which is liable to be a source of danger over a cable or apparatus used by the operation shall remain electrically charge.
- c. All practical steps shall be taken to prevent danger to persons employed from risk of fire or explosion or flooding. No floor, roof or other part of the building shall be so overloaded with debris or materials as to render it unsafe.

viii. All necessary personal safety equipment as considered adequate by the Engineer-in-Charge should be kept available for the use of the persons employed on the site and maintained in a condition suitable for immediate use and the contractor should take adequate steps to ensure proper use of equipment by those concerned.

- a. Workers employed on mixing as fighting materials, cement and lime mortar shall be provided with protective foot ware and protective goggles.
- b. Those engaged in white washing and mixing or stacking of cement bags or ay materials which is injurious to the eyes shall be provided with protective goggles.
- c. Those engaged in welding works shall be provided with welders glass.
- d. Stone breakers shall be provided with protective goggles and protective clothing and seated at sulfurously safe intervals.
- e. When workers are employed in sewers and manholes, which are in use, the contractor(s) shall ensure that the mobile covers are opened and are ventilated at least for an hour before the workers are allowed to get into the manholes and the holes so opened shall be cordoned off with suitable for ling and provided with warning signals or boards to prevent accident to the public.
- f. The contractor(s) shall not employ men below the age of 18 and woman on the work of painting with products containing lead in any form. Whenever man above the age of 18 are employed for the work of lead painting the following precautions should be taken :

ix. Painting

1. No paint containing lead or lead products should be used except in the form or paste and ready-made paint.
 2. Suitable face masks should be supplied for use by the workers when paint is applied in the form of spray or a surface having lead paint dry rubber and scraped.
 3. Cotton/wools shall be supplied by the Contractor(s) to the workmen and adequate facilities shall be provided to enable the working Painter/helper to wash during process of work.
- x. When the work is done near any place where there is risk or drowning all necessary equipments should be provided and kept ready for prompt rescue of any person in danger and adequate provision should be made for prompt first aid treatment of all injuries likely to be sustained during the course of the work.
- xi. Use of hoisting machines and tackle including their attachments, uncharged and supported shall conform to the following stands or conditions :

- a. These shall be of good mechanical construction sound materials and adequate strength and free from patent defect and shall be kept in good repair and in good working order.
 - b. Every rope used in jointing or lowering materials or as a means of suspension shall be of durable quality and adequate strength, and free from patent defects.
 - c. Every crane driver or jointing appliance operator shall be properly qualified and no person under the age of 21 years should be In-charge of any hoisting machine including any scaffold, winch or for giving singles to the operator.
 - d. In case of every joisting machine and of every chain ring hook, shackle swizzle and pulley block used in jointing or lowering or mains of suspension, the safe working load shall be ascertained by adequate means. Every hosting machine and all gear referred to above shall be plainly marked with the safe working load. In case of joisting machine having variable safe working load each safe working load of the condition under which it is applicable shall be clearly indicated. No part of any machine or any gear referred to above in this paragraph shall be beyond the safe working load except for the purpose of testing.
 - e. In case of department machines, the safe working load shall be notice by the Electrical Engineer-in-Charge. As regards contractor's machines the contractor(s) shall notify the safe working load of the machines to the Engineer-in-Charge. Whenever he brings any machine to site of work and get verified by the Electrical Engineer concerned.
 - f. Gearing, transmission, electric wiring and other dangerous parts or hoisting appliances should be provide with such means as will reduce to minimum risk of accidental descent of the load. Adequate precaution should be taken to reduce to the minimum the risk of any part of suspended load becoming accidentally displaced.
 - g. When workers employed on electrical installations, which are already energized, insulating mats, wearing appeared, such as Globefish Sleeves and boots as may be necessary should be provided. The workers should not wear any rings, watches and carry keys or others materials which are good conductors of electricity.
- xii. All scaffold, ladders and other safety devices mentioned or described herein shall be maintained in safe condition and no scaffold, ladder or equipment shall be altered or removed while it is in use. Adequate washing facilities shall provided at or near places of work.
 - xiii. These safety provision, shall be brought to the notice of all concerned by display on a Notice Board at a prominent place at the work spot. The person responsible by for complaisance of the safety code shall be named therein the contractor(s).
 - xiv. To ensure effective enforcement of the rules, regulations relating to safety precautions, the arrangements made by the contractor(s) shall be open to inspection by the labour officers, Engineer-in-Charge of the department or their representative.
 - xv. Not with standing the above clause from (1) to (xiv) there is nothing in these to exempt the contractor(s) from the operations of any other act or rules enforce in the Republic of India.

Read over & accepted
Signature of the Contractor

DECLARATION BY THE CONTACTOR

1. I / We

Contractor, hereby undertake that I / We shall pay the labour engaged on the work of Wages as per Minimum Wages Act of Govt. of India / Govt. of Jharkhand and amendment there to applicable to the zone in which the work lies and act accordingly. I/We also undertake to abide by the various laws in force and extend necessary facilities and amenities to the staff and workers employed by me / us.

2. I / We hereby declare that I / We have made myself / ourselves thoroughly conversant with the local conditions regarding all materials and labour on which I / We have based my / our rates for this work. The specification / conditions of this work has been carefully studied and understood by me / us before submitting this tender.
3. I / We hereby promise to get ourselves registered with the labour department as per provision of the laws before commencement of the work.
4. I / We hereby declare that I / We have not even been banned / de-listed by CCL or any subsidiary of CIL or any Govt. or quasi Govt. agencies or PSUS.

Signature of Tenderer.

PROFORMA FOR AFFIDAVIT TO BE SUBMITTED BY THE TENDERER

Non Judicial Stamp Paper of Rs.5/- or above.

AFFIDAVIT

I, -----, Proprietor/ Partner/Legal Attorney/ Accredited Representative of M/S -----, solemnly declare that :

- 1. We are submitting Tender for the Work -----

against Tender Notice No.----- dtd -----
- 2. None of the Partners of our firm is relative of employee of Central coalfields limited.
- 3. None of the Partners of our firm has either individually or collectively has been involved in any criminal offences.
- 4. That we shall not employ any close relative of CCL employee in this work.
- 5. All information furnished by us in respect of fulfillment of eligibility criteria and qualification information of this Tender is complete, correct and true.
- 6. All documents/ credentials submitted along with this Tender are genuine, authentic, true and valid.
- 7. We shall abide by the prevailing contractual norms of the company.
- 8. If any information and document submitted is found to be false/ incorrect any time, department may cancel my Tender and action as deemed fit may be taken against us, including termination of the contract, forfeiture of all dues including Earnest Money and banning / delisting of our firm and all partners of the firm etc.

Signature of the Tenderer

Dated-----

Seal of Notary

ANNEXURE-IX

Non Judicial Stamp Paper of Rs.5/- or above

AFFIDAVIT

1. I Partner/Legal Attorney /
Proprietor / Accredited Representative of M/s
..... solemnly declare that :
2. I/We are submitting tender for the work
.....
..... against
Tender Notice No. Date
.....
3. I/We shall abide by CMPF/any other appropriate PF authority’s clause of Tender
Documents and ensure implementation of the same and Misc. Provisions therein and
allied scheme framed there under is respect of the workers deployed by me / us.

Seal of Notary

Signature of the Tenderer

Date

Annexure – XI

e-Payment

To
Central Coalfields Limited,
Office of the General Manager(KTA),
Kathara.

Dear Sir,

Ref. : AUTHORISATION OF ALL OUR PAYMENT THROUGH ELECTRONIC FUND TRANSFER SYSTEM / RTGS / CBS / INTRA BANK TRANSFER.

We, hereby authorize Central Coalfields Limited to make all our payments against our bills, Refund of Earnest Money deposit and security deposit, through Electronic Fund Transfer System / RTGS / CBS / Intra Bank transfer. The details for facilitating the payment are given below : –

(TO BE FILLED IN CAPITAL LETTERS)

1	NAME OF THE BENEFICIARY	
2	ADDRESS (WITH PIN CODE)	
3	TELEPHONE NO. (WITH STD CODE)	
4	BANK PARTICULARS	
	1. BANK NAME	
	2. BANK TELEPHONE NO. (WITH STD CODE)	
	3. BRANCH NAME	
	4. BANK BRANCH CODE	
	5. BRANCH ADDRESS (WITH PIN CODE)	
	6. BANK FAX NO. (WITH STD CODE)	
	7. 9 DIGIT MICR CODE OF THE BANK BRANCH (ENCLOSE COPY OF A CANCELLED CHEQUE)	
	8. 11 DIGIT IFSC CODE OF BENEFICIARY BRANCHI	
	9. BANK ACCOUNT NUMBER	
	10. BANK ACCOUNT TYPE (TICK ONE)	
	SAVING	
	CURRENT	
	LOAN	
	CASH CREDIT	
	OTHERS	
	IF OTHERS, SPECIFY	

5	PERMANENT ACCOUNT NUMBER (PAN)	
6	E-MAIL ADDRESS FOR INTIMATION REGARDING RELEASE OF PAYMENT	
7	CCL VENDOR CODE	

I/We hereby declare that the particulars given above are correct and complete. If the transaction is delayed or credit is not effected at all for reasons of incomplete or incorrect information, I/We would not hold the company responsible. We also agree to bear the bank changes, if any for enabling such transfer.

Date :

(AUTHORISED SIGNATORY)
Name –
Official Stamp –

BANK CERTIFICATION

It is certified that above mentioned beneficiary holds a bank account No. _____ with our branch and the Bank particulars mentioned above are correct.

Date :

(AUTHORISED SIGNATORY)
Authorisation No.
Name –
Official Stamp –

Annexure – XII

UNDERTAKING

(Only for those who have down loaded tender document)

I, -----, Proprietor/ Partner/Legal Attorney/ Accredited Representative of M/S -----, solemnly declare that :

1. I /We are submitting downloaded tender document for the Work -----

-----against Tender Notice No.----- dtd -----
2. I / We accept the tender documents as available in the website and my/our tender shall be rejected, if any tampering in the tender document is found to be done at the time of opening of tender

Signature of the Tenderer

Date

DECLARATION

We have read the tender document and the enclosed NIT and understood all provisions and specifications in totality. All terms and conditions are acceptable to us. We do not have any terms and conditions of our own.

Seal :

Date :

Signature of the Tenderer

PART – II OF TENDER
TENDER DOCUMENT ISSUE DETAILS

Name of work –

- 1.Renovation of 2 nos. pump foundation and retaining wall with CGI sheet roofing shed at Damodar River intake point under Jarangdih Colliery.
- 2.Repairing of CGI sheet roof of Kathara Colliery Store under Kathara Colliery.
- 3.Day to day R/M of works in qrts. in township under GM Unit, Kathara.
- 4.R/M of 3 block WB(DS) qrts. at Gayatri colony under GM Unit,Kathara.
- 5.Augmentation of training gallery of Mines Rescue Stn. Under GM Unit, Kathara.

Tender Notice no. & date – 05 of 2013 – 14, vide ref. GM(KTA(/SO(C)/

Tender/ 2013 /1070 dated 29.7.2013

Date and time of submission of tender – 13.8.13 upto 3.30 P.M.

Date and time of opening of Part – II – To be intimated later to eligible bidder.

Cost of Tender Document – ` For Sl.No.1 to 5 Rs.250/- + 14% VAT each set.

ISSUE TO / SUBMITTED BY :

NAME OF TENDERER :

POSTAL ADDRESS

e-mail address

Telephone No.

Mobile No.

Staff Officer (Civil)(KTA)
Kathara Area.

Bill of qnty. for Renovation of 2 nos. pump foundation and retaining wall with CGI sheet roofing shed at Damodar River intake point under Jarangdih Colliery.

Sl. No.	Description	Quantity	Unit	Rate per	Unit	Amount Rs.
1	Earth work in excv. By mechanical means (Hydraulic excavator)/Manual means in foundation trenches or drains (not exceeding 1.5m in width or 10sqm on plan) incl. Dressing of sides and ramming of bottom lift upto 1.5 m incl. Getting out the excv. soil and disposal of surplus soil as dir. within a lead of 50m all kind of soil.	85.00	cum	103.40	cum	8789.00
2	Providing and laying in position cement concrete of specified grade excluding thecost of centering and shuttering- All work upto plinth level: 1:1.5:3 (1cement:1.5coarse sand:3 graded stone agg. 20mm nominal size).	14.50	cum	3629.80	cum	52632.10
3	Providing and laying in position cement concrete of specified grade excluding thecost of centering and shuttering- All work upto plinth level: 1:4:8 (1cement:4 fine sand:8 graded stone agg. 40mm nominal size).	7.00	cum	2296.15	cum	16073.05
4	Reinforcement cement conc. Work in walls (any thickness incl. Attached pilasters, buttresses,plinth and stairing courses , fillets, coloumns, pillars, piers, abutments, posts, and struts etc. upto floor five levels excl. cost of shent.shutt.finishing and reinforcement 1:1.5:3(1cement:1.5 coarse sand :3graded stone agg, 20mm nominal size.	20.00	cum	4092.35	cum	81847.00
5	Brick work with FPS bricks of class designation 50 in foundation and plinth in cement mortar 1:6 (1cement :6 coarse sand).	8.20	cum	2006.99	cum	16457.32
6	Providing and fixing M.S. grills of required pattern in frames of windowswith MS flats, square or round bars etc. all compl. Fixed to steel windows by welding.	1000.00	kg	59.25	kg	59250.00
7	Providing corrugated GS sheet roofing fixed with polymer coated J or L hooks, bolts and nuts 8mm dia. With bitumen and GI limpet washer or with GI limpet washers filled with white lead and including as coat of approved steel primer and two coats of approve paint on overlapping of sheets compl. (upto a pitch of 60 degrees)excl. thecost of purlins, rafters and truses. 0.63mm thick with zinc coating not less than 275m/ m2	58.25	sqm	432.25	sqm	25178.56
8	Reinforcement for RCC work incl. Straightening, cutting, bending, placing in position and binding all complete upto plinth level . Mild steel and medium tensile steel bars.	2000.00	kg	41.50	kg	83000.00
9	Structural steel work welded in built up sections, trusses and framed work incl. Cutting, hoisting, fixing in position and applying a prining coat of approved steel primer all complete	300.00	kg	46.35	kg	13905.00
10	Labour rate for steel structural as per Engr. l/c.	950.00	kg	10.34	kg	9823.00
11	12mm cement plasteer finished with a floating coat of neat cement of mix 1:4 (1cement:4 fine sand).	20.00	sqm	97.90	sqm	1958.00
12	Welding by gas or electric plant incl. Transportation of	800.00	cum	1.45	cum	1160.00

	plant at site etc. complete.					
13	Filling available excv.earth (excl. rock) in trenches, plinth, sides of foundations etc. in layer not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, lead upto 50m and lift upto 1.5m	26.00	cum	45.70	cum	1188.20
14	Supplying and filling in plinth with Jamuna sand under floors incl. Watering, ramming consolidating and dressing complete.	30.00	cum	301.50	cum	9045.00
						Rs. 380306.23

Contractor's name
Signature & address.

Staff Officer(C)(KTA)
Kathara.

(2)

Bill of gnty. for Repairing of CGI sheet roof of Kathara Colliery Store under Kathara Colliery.

Sl. No.	Description	Quantity	Unit	Rate per	Unit	Amount Rs.
1	Dismantling roofing including ridges hips valleys and gutter etc. and stacking the materials within 50m lead of G.S. sheet.	536.95	sqm	24.70	sqm	13262.67
2	Providing corrugated G.S. Sheet roofing iclu. fixed with polymer coated J or L hooks, bolts and nuts 8mm diameter with bitumen and GI limpet washers or with GI limpet washers filled with white lead and incl. A coat of approved steel primer and two coats ofapproved paint on overlapping of sheets complete (up to a pitch of 60 degrees) excluding the cost of purlins, rafters, and trusses.80 mm thick with zinc coating not less than 275gm/sqm.	415.27	sqm	515.30	sqm	213988.63
3	Providing valleys of 90cm wide overall in plain GS sheet fixed with polymer coated J or L hooks, bolts andnuts 8mm dia GI limpet and bitumen washers complete. 1.60mm thick with zinc coating not less than 350gm/sqm.	43.5	mtr	617.45	m	26859.08
4	12mm cement plasteer mix 1:4 (1cement:4 fine sand.	81.00	sqm	77.55	sqm	6281.55
5	40mm Cement conc.flooring 1;2:4 (1cement: 2 coarse sand: 4 graded stone agg.) finished with a floating coat of neat cement incl. Cement slurry but excl. the cost of nosing of steps etc. complete, 40mm thick with 20mm nominal size stone aggregate.	72.00	sqm	192.95	sqm	13892.40
						Rs. 274284.32

Contractor's name
Signature & address.

Staff Officer(C)(KTA)
Kathara.

Bill of quantity for Day to day R/M work in qrts. in township under G.M. unit Kathara.

Sl. No.	Description	Quantity	Unit	Rate per	Unit	Amount Rs.
1	Cleaning of jungle uprooting of rank vegetation, grass, brush wood trees and saplings of girth up to 30cm measured at a height of 1m above ground level and removal of rubbish of upto a distance of 50m outside the periphery of the area cleared.	1250.00	sqm	263.90 (per 100sqm)		3298.75
2	Earth work in excv. By mechanical means(Hydraulic excavator)/manual means over areas(exceeding 30cm in depth 1.5m in width as well as 10sqm on plan) incl. Disposal of excv. Earth, lead upto 50m and lift upto 1.5m disposed earth to be levelled and nearly dressed. All kinds of soil.	88.00	cum	101.85	cum	8962.80
3	Carriage of material by mechanical transport incl. loading unloading and stacking earth.Lead 5 KM.	88.00	cum	76.48	cum	6730.24
4	White washing with lime to give an even shade old work (two or more coats). Removing white orcolour wash byscrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	1800.00	sqm	7.30	sqm	13140.00
5	Brick on edge flooring of class designation 75 including cement slurry etc. complete in cement mortar with F.P.S. bricks 1:4 (1cement :4 coarse sand)	80.00	sqm	312.88	sqm	25030.40
6	Cement conc. Flooring 1:2:4 (1:cement:2coarsed sand:4 graded stone agg.) finished with a floating coat of neat cement incl. Cement slurry but excl. the cost of nosing of steps etc. complete, 40mm thick with 20mm nominal size stone aggregate.	700.00	sqm	192.95	sqm	135065.00
7	12mm cement plasteer finished with a floating coat of neat cement of mix 1:4 (1cement:4 fine sand).	477.75	sqm	97.90	sqm	46771.73
8	Providing, hoisting and fixing up to floor five level precast reinforced cement conc. In lintels, beams and bressumers incl. Setting in cement mortar 1:3(1cement:3 coarse sand) cost of required centering and shuttering and finishing smooth with 6mm thick cement plaster 1:3 (1cement:3 fine sand) on exposed surfaces but excl. the cost of reinforcement with 1:2:4 (1cement:2 coarse sand:4 graded stone agg.20mm nominal size).	1.68	cum	5243.25	cum	8808.66
9	Reinforcement for RCC work incl. Straightening, cutting, bending, placing in position and binding all complete upto plinth level . Cold twisted bars.	134.40	kg	42.70	kg	5738.88
10	Half brick masonry with FPS bricks of class design. 75 in superstructure above plinth upto floor V level in cement mortar 1:4 (1 cement: 4 coarse sand).	120.00	sqm	289.67	sqm	34760.40
11	Brick work with FPS bricks of class designation 50 in foundation and plinth in cement mortar 1:6 (1cement :6 coarse sand).	10.00	cum	2006.99	cum	20069.90
12	Brick work with FPS bricks of class designation 50 in superstructure above plinth level upto floor V level in all shapes and sizes in cement mortar 1:6 (1cement:6 coarse sand).	12.00	cum	2315.49	cum	27785.88

13	Dismantling doors, windows, and clerestory windows(steel or wood shutters) incl. Choukhats architrave, hold fast etc. compl. And stacking within 50m lead.Of area 3 sqm and below.	12.00	nos.	54.60	eh	655.20
14	Demolishing cement conc. Manually by mechanical means incl. Disposal of material within 50m lead as per dir. Of EIC. 1:3:6 or richer mix.	14.00	cum	368.45	cum	5158.30
15	Providing and fixing 1mm thick MS sheet door with frame of 40x40x6mm angle iron and 3mm MS gusset plate at the junction and corners, all necessary fittings compl. Incl. Applying a priming coa of app. Steel primer using flats 30x6mm for diagonal braces and central cross piece..	15.78	sqm	1600.10	sqm	25249.58
16	Providing and fixing T- iron frames for doors windows and ventilators of mild steel tee-section, joints mitred and welded with 15x 3mm luge 10cm long embedded in cement conc. Blocks 15x10x10cum 1:3:6(1cement :3coars sand:6graded stone agg. 20mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with dash fastener or with fixing clips or with bolts and nuts as required including fixing of necessary butt hinges and screws and applying a priming coat of	190.00	kg	51.15	kg	9718.50
17	Providing and fixing MS round or square bars with MS flat at required spacings in wooden frame of windows and clerestorey windows.	51.19	kg	44.40	kg	2272.84
18	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade.Two or more coats on new work.	635.35	sqm	35.35	sqm	22459.62
19	Distempering with oil bound washable distemper of app. brand and manufacture to give an even shade new work(two or more coats)	1040.00	sqm	24.35	sqm	25324.00
20	6mm cement plaster to ceiling of mix 1:3 (1cement:3 fine sand).	100.00	sqm	62.15	sqm	6215.00
21	12mm cement plaster of mix 1:6 (1 cement 6 coarse sand.)	450.00	sqm	72.70	sqm	32715.00
22	Dismantling old plaster or skirting ranking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	360.00	sqm	8.20	sqm	2952.00
23	Demolishing brick work manually/by mechanical means incl.stackng of serviceable materials and disposal of unserviceable materials within 50m lead in cement mortar.	8	cum	310.75	cum	2486.00
24	Distempering with dry distemper of app. brand and manufacture (one or more coats) and of required shade on old work to give an even shede. Removing dry oil bound distemper ,water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	1400.00	sqm	16.60	sqm	23240.00
						Rs. 494608.67

Contractor's name
Signature & address.

Staff Officer (C)(KTA)
Kathara.

Bill of quantity for R/M of 3 block of WB(DS) qrts. At Gayatri colony under GM Unit, Kathara.(WB/123 to 130, 131 to 138, 139 to 145).

Sl. No.	Description	Quantity		Rate		Amount
1	Cement conc. Flooring 1:2:4 (1:cement:2coarsed sand:4 graded stone agg.) finished with a floating coat of neat cement incl. Cement slurry but excl. the cost of nosing of steps etc. complete, 40mm thick with 20mm nominal size stone aggregate.	348.12	sqm	192.95	sqm	67169.75
2	12mm cement plaster finished with a floating coat of neat cement of mix 1:4 (1cement:4 fine sand).	219.36	sqm	97.90	sqm	21475.34
3	Brick work with FPS bricks of class designation 50 in foundation and plinth in cement mortar 1:6 (1cement :6 coarse sand). 30x6mm for diagonal braces and central cross piece..	2.15	cum	2006.99	cum	4315.03
4	Providing and fixing T- iron frames for doors windows and ventilators of mild steel tee-section, joints mitred and welded with 15x 3mm luge 10cm long embedded in cement conc. Blocks 15x10x10cum 1:3:6(1cement :3coars sand:6graded stone agg. 20mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with dash fastener or with fixing clips or with bolts and nuts as required including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer.	1266.24	kg	51.15	kg	64768.18
5	Dismantling old plaster or skirting ranking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	386.28	sqm	8.20	sqm	3167.50
6	Colour washing such as green, blue or buff to give an even shade. New work (two or more coats) with a base coat of white washing with lime.	2879.10	sqm	6.55	sqm	18858.11
7	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give	1573.00	sqm	22.85	sqm	35943.05
8	White washing with lime to give an even shade old work (two or more coats).	2190.96	sqm	4.10	sqm	8982.94
9	Half brick masonry with bricks of class design. 50 in foundations and plinth in :cement mortar 1:4 (1cement :4 coarse sand).	8.64	sqm	257.23	sqm	2222.47
10	12mm cement plaster of mix 1:6 (1 cement 6 coarse sand.)	643.80	sqm	72.70	sqm	46804.26
11	6mm cement plaster to ceiling of mix 1:3 (1cement:3 fine sand).	120.00	sqm	62.15	sqm	7458.00

12	Providing ,hoisting and fixing upto floor five level precast reinforced cement conc. Work in string courses copings bands bed plates, anchor blocks plain window sills and the like incl. The cost of required centering, shutt. Finishing smooth with 6mm thick cement plaster 1:3 (1cement:3fine sand) on exposed surface compl. but excl. Thecost of reinforcement with 1:2:4(1cement:2 coarsesand:4 graded stone agg. 20mm nominal size.	1.76	cum	4880.15	cum	8589.06
13	Reinforcement for RCC work incl. Straightening, cutting, bending, placing in position and binding all complete upto plinth level . Mild steel and medium tensile steel bars.	140.97	kg	41.50	kg	5850.26
14	Providing and fixing 1mm thick MS sheet door with frame of 30x30x4mm angle iron and all necessay fittings complete incl. applying a priming coat of approved steel primer. Using flats 20x5mm for diagonal braces central cross piece.	112.04	sqm	1011.27	sqm	113302.69
15	Demolishing C.C./RCC work by mechanical means and stockpiling at designated locations and disposal of dismantled materials upto a lead of 1000m, stacking serviceable and unserviceable material separately jincl. Cutting reinforcement bars.	5.22	sqm	731.05	sqm	3816.08
16	Dry brick on edge flooring in required pattern with bricks of class design. 75 on a bed of 12mm mud mortar incl. filling joints with Jamuna sand (with FPS bricks) complete.	60.00	sqm	195.78	sqm	11746.80
17	Distempering with dry distemper of app. brand and manufacture (one or more coats) and of required shade on old work to give an even shede. Removing dry oil bound distemper ,water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	3498.72	sqm	16.60	sqm	58078.75
						Rs. 482548.26

Contractor's name
Signature & address.

Staff Officer(C)(KTA)
Kathara.

Bill of quantity for augmentation of Training gallery of Mines Rescue Stn., under GM Unit, Kathara.

Sl. No.	Description	Quantity	Rate	Amount
1	Dismantling tile work in floors and roof and in cement mortar incl. Stacking materials within 50m compl. As per instn. Of the Engr. I/C.For thickness of tiles 10mm to 25mm.	221.25 sqm	10.90 sqm	2411.63
2	Dismantling old plaster or skirting ranking out joints and cleaning the surface for plaster including	274.00 sqm	8.20 sqm	2246.80

disposal of rubbish to the dumping ground within 50 metres lead.

3	Providing and laying in position cement conc of specified grade excl . The cost of centering and shutt. All work upto plinth level 1:1and 1/2:3 (1cement 1 and 1/2 coarse sand :3 graded stone agg.20mm nominal size.	8.85	cum	3629.80	cum	32123.73
4	12mm cement plasteer finished with a floating coat of neat cement of mix 1:4 (1cement:4 fine sand).	117.10	sqm	97.90	sqm	11464.09
5	12mm cement plaster mix 1:6 (1cement:6 fine sand.	281.35	sqm	67.65	sqm	19033.33
6	6mm cement plaster to ceiling of mix 1:3 (1cement:3 fine sand).	41.15	sqm	62.15	sqm	2557.47
7	Structural steel work in single section fixed with or without connecting plate including cutting hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	2770.00	kg	42.15	kg	116755.50
8	Providing and laying in position cement conc of specified grade excl . The cost of centering and shutt. All work upto plinth level 1:2:4 (1cement 2 coarse sand :4 graded stone agg.20mm nominal size	1.70	cum	3257.45	cum	5537.67
9	Providing corrugated GS sheet roofing fixed with polymer coated J or L hooks, bolts and nuts 8mm dia. With bitumen and GI limpet washer or with GI limpet washers filled with white lead and including as coat of approved steel primer and two coats of approve paint on overlapping of sheets compl. (upto a pitch of 60 degrees)excl. thecost of purlins, rafters and truses. 0.63mm thick with zinc coating not less than 275m/ m2	302.30	sqm	432.25	sqm	130669.18
10	Providing and fixing expanded metal 20x60mm strands 3.25mm wide and 11.6mm thick for windows etc. including 62x19mm beading of IInd class teak wood.	230.00	sqm	523.15	sqm	120324.50
11	Centering and shuttering incl. Structing, propping etc. and removal of form forfoundations, footings, bases of columnsetc. for mass concrete.	13.50	sqm	119.25	sqm	1609.88
12	Providing and fixing on wall face upplasticised Rigid PVC rain water pipe conforming to IS : 13592 type A including jointing with seal ring conforming to IS: 5382 leaving 10mm gap for thermal expansion. (I) single socketed pipes.110mm dimeter.	27.00	mt	163.40	mt	4411.80
13	Providing and fixing on wall face unplasticised PVC moulded fittings/accessories for unplasticised Rigid PVC rain water pipe conforming to IS : 13592 type A including jointing with seal ring conforming to IS 1382 leaving 10mm gap forthermal expansion. (a)75mm bend.	22.00	nos.	88.40	eh	1944.80
14	Providing and fixing M.S. grills of required pattern in frames of windowswith MS flats, square or round bars etc. all compl. Fixed to openings/wooden frames with rawl plugs screws etc.	135.00	kg	64.40	kg	8694.00
15	Providing and fixing 1mm thick MS sheet door with frame of 40x40x6mm angle iron and 3mm MS gusset plate at the junction and corners, all necessary fittings compl. Incl. Applying a	5.40	sqm	1600.10	sqm	8640.54

	priming coa of app. Steel primer using flats 30x6mm for diagonal braces and central cross piece..				
16	Providing and fixing T- iron frames for doors windows and ventilators of mild steel tee- section, joints mitred and welded with 15 X 3mm luge 10cm long embedded in cement conc. Blocks 15x10x10cum 1:3:6(1cement 3 coars sand : 6 graded stne agg. 20 mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with dash fastener or with fixing clips or with bolts and nuts as required including fixing of necessary butt hinges and screws and aplying a priming coat of approved steel primer.	48.00	kg	51.15	kg 2455.20
17	White washing with lime to give an even shade old work (two or more coats).	698.90	sqm	4.10	sqm 2865.49
18	Finishing walls with water proofing cement paint of req. shade:Old work(one or more coats applied @ 2.20kg/10 sqm) over priming coat of primer applied @ 0.80 litres/10 sqm complete including cost of Priming coat.	200.00	sqm	27.95	sqm 5590.00
19	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shede. One or more coats on old work.	328.60	sqm	22.85	sqm 7508.51
					Rs. 486844.10

Contractor's name
Signature & address.

Staff Officer(C)(KTA)
Kathara.