



GOVERNMENT OF ODISHA

..... **DEPARTMENT**

STANDARD BIDDING DOCUMENT

For works between Rs. 10 lakh to Rs. 50 crore

Name of the Work :

Bid Inviting Officer :

Bid Identification No :

GOVERNMENT OF ODISHA

----- Department

NATIONAL COMPETITIVE BIDDING

Sl. No.	Items		Details
1.	Name of Work	:	
2.	Bid Identification No. (BIN)	:	
3.	Estimated Cost Put to Bid	:	Rs.
4.	Period of Completion	:Months
5.	Availability of Bid Document on e-Procurement Portal ¹	:	From To.....
6.	Date for Receipt of Queries/Date of Pre-bid meeting ²	:	Date Time
7.	Date and Time for Submission of Bids ³	:	Date Time
8.	Time and Date of Opening of Bids ⁴	:	Date Time
9.	Place of Opening of Bids	:	
10	Bid Inviting Officer (BIO)	:	

¹ Bids shall have to be downloaded from the website: <https://tendersodisha.gov.in> by the bidders.

² A Pre-Bid meeting shall be conducted on the above time & venue for value of work more than 10 crore.

³ The bidder shall upload the completed bids on the e-procurement portal using their digital signature certificate and user ID, addressed to the Bid Inviting Officer in the manner described under Instruction to Bidders Section 1 of Bid Documents on or before the stipulated date & time. The date and time of bid submission shall remain unaltered even if the specified date for the submission of bids declared as a holiday for the Bid Inviting Officer.

⁴ In the event of the specified date of opening of bids being declared a holiday for the Purchaser, the bids shall be opened on the next working day at the same time and venue.

INVITATION FOR BID

(IFB)

GOVERNMENT OF ODISHA

----- Department

INVITATIONS FOR BIDS (IFB) NATIONAL COMPETITIVE BIDDING

Bid Identification No.

Date:

1. The Employer *[insert name of Employer / bid inviting authority]* on behalf of Governor of Odisha invites bids from bidders *[insert class of bidders]* registered with the State Governments and bidders of equivalent Grade/Class registered with Central Government/MES /Railways for the construction of works detailed in the table below. The bidders may submit bids for any or all of the following works.

TABLE

Sl. No.	Name of the work	Value of the work	Bid Security (Rs.)	Cost of bid document + VAT (Rs)	Period of Completion
1	<i>[Insert details]</i>	<i>[Insert details]</i>	Rs. <i>[Amount]</i>	Rs. <i>[Amount]</i> +VAT Rs. <i>[Amount]</i>	<i>[Insert details]</i> months
....	<i>[Expand the table to contain all the works]</i>				

2. The Bid documents consisting of Information to Bidders (ITB), Bid Data Sheet (BDS), Information and Documents to be furnished along with the Bid, General & Special Conditions of Contract, Contract Data, Drawings, Specifications, the schedule of quantities and set of terms and conditions of contract and other necessary documents will be published and appear in the “latest active tenders” in the website: <https://tendersodisha.gov.in> from *[insert date & time]*. The Bidders can download the bid documents after the due date and time for sale.
3. Bids shall be received only “on line” on or before *[insert date & time]*. The bidder must possess compatible Digital Signature Certificate (DSC) of Class-II or Class- III.
4. A Bidder requiring any clarification of the bidding documents may ask questions on line in the e-procurement portal using his / her DSC, provided the questions are raised within 7 days prior to the deadline for submission of bids.
5. Bids received on line shall be opened at *[insert time]* Hours on *[insert date]* in the office of *[insert detail address]* in the presence of the bidders who wish to attend. Bidders can witness the opening of bids after logging on to the site through their DSC. If the office happens to be closed on the last date of opening of the bids as specified, the bids will be opened on the next working day at the same time and venue.
6. Bids must be accompanied by bid securing declaration form duly completed, bid security and cost of bid documents including VAT of the amount as specified for the work in the table above. The cost of bid documents shall be remitted in the shape of demand draft issued from any Nationalized Scheduled Bank in favour of *[insert name / designation]* payable at *[insert details of bank]*.
7. After the date & time of submission of bid is over, the bidders must submit the original Bid security and Demand draft towards cost of Bid documents in the office of the *[insert detail]*

[address] on or before the date and time of opening of bid during office hours on working days failing which the bid will be rejected.

8. The bidding documents contain all other details.
9. The authority reserves the right to cancel any or all bids without assigning any reason.

[Insert Name and Designation of Bid Inviting Officer]

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SECTION – 1
INSTRUCTIONS TO BIDDERS (ITB)
&
BID DATA SHEET (BDS)

A. GENERAL

1. Scope of Bid

- 1.1 In connection with the Invitation for Bids indicated in the Bid Data Sheet (BDS)⁵, the Employer, as indicated in the BDS, issues these Bidding Documents for the procurement of works as specified in the BDS. The name, identification, and number of lots (contracts) of the National Competitive Bidding (NCB) are provided in the BDS. The successful bidder will be expected to complete the works by the intended date specified in the Contract Data.
- 1.2 Throughout these bidding documents:
 - a. The terms 'in writing' means communicated in written form and delivered against receipt;
 - b. except where the context requires otherwise, words indicating the singular also include the plural and words indicating the plural also include the singular; and
 - c. "day" means calendar day.

2. Source of Funds

- 2.1 The expenditure on this project will be met from the funds as indicated in BDS.

3. Eligible Bidders

- 3.1 A Bidder may be a natural person, private entity or legally and financial autonomous Government owned enterprises.
- 3.2 This Invitation for Bids is open to all bidders registered with the Government of Odisha or other State Governments/Government of India/MES/Railways/Public Sector Undertakings for execution of Civil works in general. Contractors not registered with Government of Odisha, can participate in the e-Procurement after necessary enrolment in the portal, but have to subsequently register themselves with the appropriate registering authority of the State of Odisha before award of the work as per prevalent registering norms of the State.
- 3.3 **All Bidders are required to register in the e-procurement portal.** The Bidder intending to participate in the bid is required to register in the portal using his/her active personal/official e-mail ID as his/her Login ID and attach his/her valid Digital Signature Certificate (DSC) to his/her unique Login ID. He/She has to submit the relevant information as asked for about the firm/contractor. The portal registration of the bidder/firm is to be authenticated by the State Procurement Cell after verification of original valid certificates/documents such as (i) PAN and (ii) Registration Certificate (RC)/VAT Clearance Certificate (for procurement of goods) of the concerned bidder. The time period of validity in the portal is at par with validity of RC/VAT Clearance. Any change of information by the bidder is to be re-authenticated by the State Procurement Cell. After successful authentication, the bidder can participate in the online bidding process.
- 3.4 Joint Ventures are eligible for works costing more than the value specified in the BDS.
- 3.5 A bidder shall not have conflict of interest. The bidder found to have a conflict of interest shall be disqualified. A bidder may be considered to have a conflict of interest with one or more parties in this bidding process, if:
 - a. they have controlling partner in common; or
 - b. they receive or have received any direct or indirect subsidy from any of them; or

⁵ BDS has been provided in Part G of this section, i.e. Section-1 of the bidding document

- c. they have the same legal representative for purposes of this bid; or
 - d. they have relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the bid of another Bidder, or influence the decisions of the Employers regarding this bidding process; or
 - e. a Bidder participates in more than one bid in this bidding process. Participation by a Bidder in more than one Bid will result in the disqualification of all bids in which the parties involved. However, this does not limit the inclusion of the same subcontractor in more than one bid; or
 - f. a Bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the contract that is the subject of the Bid; or
 - g. a Bidder, or any of its affiliates has been hired (or its proposed to be hired) by the Employer as Engineer for the contract.
- 3.6 Bidders shall not be under a declaration of ineligibility for corrupt and fraudulent practices in accordance with clause 36.

4. Qualification of the Bidder

- 4.1 All bidders shall provide in Section 2, Qualification Information and other forms, as mentioned.
- 4.2 There is no prequalification requirement for participation in the bid. However, the bidder shall have to fulfil all the requirements mentioned in this document under various sections.
- 4.3 **Evaluation Requirements:** All bidders shall include the following information and documents with their bids in Section 2:
- a. Copies of documents defining the constitution or legal status, place of registration, and principal place of business, original written power of attorney of the signatory of the Bid to commit the Bidder;
 - b. Reports on the financial standing of the Bidder, such as turnover statements as per IT return and profit and loss statements duly certified by the C.A. for the last five years;
 - c. Total monetary value of Civil Engineering construction work performed for each of the last five years, duly certified by Chartered Accountants;
 - d. Experience in works of a similar nature and size for each of the last five years, and details of works under way or contractually committed and clients who may be contacted for further information on those contracts;
 - e. Evidence of adequacy of working capital for this contract: Liquid assets and/or availability of credit facilities of not less than the amount indicated in the BDS Credit lines/letter of Credit/Certificate from banks for meeting the fund requirements etc.);
 - f. Authority to seek references from the Bidder's bankers;
 - g. Information regarding any litigation or arbitration resulting from contracts executed by the bidder in the last five years or currently under execution. The information shall include the names of the parties concerned, the disputed amount, cause of litigation, and matter in dispute;
 - h. Proposals for subcontracting components of the Works if any amounting to not more than the percent of the Bid Price specified in the BDS (for each work, the qualifications and experience of the identified sub-contractor in the relevant field should be annexed); and

- i. The methodology of construction, details of quarries, Environmental Management Plan, proposed Work Program, and Planned Value⁶ statement for the contract period supported with equipment planning and deployment, duly supported with calculations, drawings and charts, and justifying their capability of execution and completion of the work within the stipulated period of completion as per milestones as mentioned in the Contract data.

4.4 Bids from Joint ventures⁷ are not acceptable up to the limit specified in the BDS.

4.5 A. To qualify for award of the contract, each bidder must have in its name:

- a. achieved, in any one financial year, in all classes of engineering works only, a minimum annual turnover⁸ of amount indicated in the BDS, in the last five years as indicated in the BDS,
- b. participated and satisfactorily completed, as a prime contractor or as a nominated sub contractor, at least one similar work of value not less than 80% of the amount indicated in BDS,
- c. executed in any one year, the minimum quantities of the items of work as indicated in the BDS⁹,
- d. valid electrical license for executing the building electrification works and should have executed similar electrical works for a minimum amount as indicated in BDS in any one year. (or his identified sub-contractor should have the license as per Clause 7 of Condition of Contract),
- e. valid license for executing the water supply/sanitary engineering works and should have executed similar water supply/sanitary engineering works for a minimum (or his identified sub-contractor should have the license as per Clause 7 of Condition of Contract) ,
- f. valid license for executing the proprietary works/specialized job works and should have executed similar works for a minimum amount as indicated in BDS in any one year (or his identified sub-contractor should have the license as per Clause 7 of Condition of Contract).

B. To qualify for award of the Contract, each bidder should further demonstrate:

- a. Availability (either owned or leased or by procurement against mobilization advances) of the following key and critical equipment for this work as indicated in Serial no. 12 of Qualification Information of Section 2.
- b. Availability of key personnel with adequate experience as indicated in Serial no. 13 of Qualification Information of Section 2.

C. To qualify for a package of contracts made up of this and other contracts for which bids are invited in the IFB, the bidder must demonstrate having experience and resources sufficient to meet the aggregate of the qualifying criteria for the individual contracts

⁶ Planned value is the planned future expenditure for a period, i.e. for a month, a financial quarter, a year or the period or the total contract period.

⁷ For works costing more than the value specified in the BDS, Joint ventures may be allowed. In such case, the qualification criteria by each of the JV partner, lead partner are to be accordingly modified.

⁸ Financial turnover and cost of completed works of previous years shall be given weight-age of 8% (eight percent) per year based on rupee value to bring them to the price level up to the year of bid invitation.(weightage to be revised after every three years and to be revised based on change in SoR)

⁹ The Bidder shall provide this information in Serial no. 11 of qualification information of Section 3.

- 4.6 Sub-contractors' experience and resources shall not be taken into account in determining the bidder's compliance with the qualifying criteria for normal works. However, sub-contractors' experience and resources shall be required to be submitted by the bidder in Serial no. 9 of Qualification Information of Section 2, if the bidder wishes to propose sub-contracting for proprietary works/specialized job works.
- 4.7 Bidders who meet the minimum qualification criteria will be qualified only if their available bid capacity is more than the total bid value. The available bid capacity will be calculated as under:

$$\text{Assessed Available Bid capacity} = (A * N * 2 - B)$$

Where

A = Maximum value of civil engineering works executed in any one year during the last five years (updated to bid invitation year price level) taking into account the completed as well as works in progress.

N = Number of years prescribed for completion of the works for which bids are invited.

B = Value, at the current price level, of existing commitments and on-going works to be completed during the period of completion of the works for which bids are invited¹⁰.

- 4.8 Even though the bidders meet the above qualifying criteria, they are subject to be disqualified if they have:
- Made misleading or false representations in the forms, statements and attachments submitted in proof of the qualification requirements; and/or
 - Record of poor performance such as abandoning the works, not properly completing the contract due to Contractor's failure, litigation history, or financial failures etc.; and/or
 - Participated in the previous bidding for the same work and had quoted unreasonably high bid prices and could not furnish rational justification to the employer.

5. One Bid per Bidder

- 5.1 Each bidder shall submit only one bid for one package. The system shall consider only the last bid submitted through the e-procurement portal.

6. Cost of Bidding

- 6.1 The bidder shall bear all costs associated with the preparation and submission of his Bid, and the Employer will in no case be responsible and liable for those costs.

7. Site visit

- 7.1 The Bidder, at the Bidder's own responsibility and risk is encouraged to visit and examine the Site of Works and its surroundings and obtain all information that may be necessary for preparing the Bid and entering into a contract for construction of the Works. The costs of visiting the Site shall be at the Bidder's own expense.

¹⁰ The value of existing commitments and on-going works shall be considered as per the information provided at Serial no. 5 of Qualification Information in Section 2.

The value of similar engineering works executed, value of ongoing works, and existing commitments shall be given weightage @ 8% per year to bring the value to the price level of the financial year in which bids are received.

Hiding of any work in hand, that is subsequently established, shall be construed as the bidder's indulgence in "fraudulent practice" mentioned under clause 37 of Section 1, and actions shall be taken as mentioned in the same Section.

B. Bidding Documents

8. Content of Bidding Documents

- 8.1 The set of bidding documents comprises the documents listed below and corrigenda/addenda issued in accordance with Clause 10.

Section	Particulars
	Invitation for Bids (IFB)
1	Instructions to Bidders(ITB) & Bid Data Sheet(BDS)
2	Information and Documents to be submitted along with the Bid
3	Conditions of Contract
4	Contract Data
5	Technical Specifications
6	Drawings
7	Bill of Quantities
8	Securities & Other Forms

- 8.2 The Bidder is required to login to the e-procurement portal and download the above listed documents from the website mentioned in BDS. He shall save it in his system and undertake the necessary preparatory work off-line and upload the completed bid at his convenience before the closing date and time of submission.

9. Clarification on Bidding Documents & Pre-Bid Meeting

- 9.1 A bidder requiring any clarification on the bidding documents may ask questions on line in the e-procurement portal using his/her Digital Signature Certificate (DSC), within the time specified in the BDS prior to the date and time for submission of Bids.
- 9.2 The bidder or his official representative is invited to attend a pre-bid meeting¹¹ which shall take place at the address and time as indicated in the BDS. The purpose of the meeting is to clarify the issues and to answer questions on any matter that relates to the bid. The bidder may submit any question in writing or by post or by email, but the question shall have to be received by the Bid Inviting Officer prior to the date and time of the pre-bid meeting.
- 9.3 The Employer's response to the queries shall be posted in the portal without mention of the identity of any bidder.
- 9.4 Any modification of the bidding documents listed in sub-clause 8.1 which may become necessary as a result of the clarification, shall be made by the Employer through the issue of an Addendum/Corrigendum pursuant to Clause 10 in the portal.

10. Amendment of Bidding Documents

- 10.1 Before the date for submission of bids, the Employer may modify the bidding documents by issuing corrigenda and addenda.
- 10.2 Any corrigendum or addendum thus issued shall be part of the bidding documents.

¹¹ A Pre-Bid meeting shall be conducted on the time & venue mentioned in the BDS for value of work more than Rs.10 crore.

- 10.3 The corrigenda and addenda shall be published in the website <http://tendersodisha.gov.in>.
- 10.4 To give reasonable time to the prospective bidders to take a corrigendum/addendum into account in preparing their bids, the Employer shall extend as necessary the date for submission of bids, in accordance with Sub-Clause 19.2.

C. Preparation of Bids

11. Language of the Bid

- 11.1 All documents relating to the bid shall be in the English language.

12. Documents comprising the Bid

- 12.1 The bid to be submitted by the bidder online (refer Clause 8.1) shall be in two separate parts:
- a. **TECHNICAL BID** shall comprise all information and documents specified in Section 2.
 - b. **FINANCIAL BID** shall comprise Priced Bill of Quantities for items specified in Section 7.
- 12.2 All other documents stated in Clause 8.1 will be deemed to be part of the bid though not required to be submitted on line in the bid.
- 12.3 Bidders bidding for this contract together with other contracts stated in the IFB to form a package will so indicate in the bid together with any discounts offered for the award of more than one contract.

13. Bid Price

- 13.1 The Bidder shall bid for the whole work as described in the Bill of Quantities.
- 13.2 For item rate tenders, the bidder shall fill in rates in figures and should not leave any cell blank. The line item total in words and the total amount shall be calculated by the system and shall be visible to the Bidder.
- 13.3 In case of percentage tender, the bidder will only fill in the designated cell and activate “less” or “excess” to indicate how much his price is excess or less than the estimated amount. The Bidder shall check the following prior to uploading his Bill of Quantities (BOQ):
- a. Filling of percentage up to two decimal place only.
 - b. The bidder shall check the quoted percentage with that of amount displayed in the BOQ sheet which shall be considered for evaluation of Financial Bid.
- 13.4 All duties, taxes, and other levies payable by the Bidder under the contract, or for any other cause shall be included in the rates, prices and total Bid Price be submitted by the Bidder.
- 13.5 The rates and prices quoted by the Bidder are subject to adjustment during the performance of the Contract if provided for in the BDS in accordance with the provisions of Clause 47 of the Conditions of Contract. The base date shall be considered as the date 28 days prior to the stipulated date of submission of Bids.

14. Currencies of Bid and Payment

- 14.1 The currency of bid and payment shall be quoted by the bidder entirely in Indian Rupees. All payments shall be made in Indian Rupees only.

15. Bid Validity

- 15.1 Bids shall remain valid for a period not less than period stated in the BDS after the date for bid submission specified in Clause 19. A bid valid for a shorter period shall be rejected by the Employer as non-responsive.

- 15.2 In exceptional circumstances, prior to expiry of the original time limit, the Employer may request that the bidders may extend the period of validity for a specified additional period. The request and the bidders' responses shall be made in writing or by e-mail. A bidder may agree to or reject the request.
- 15.3 A bidder who has agreed to the Employer's request for extension of bid validity, in no case, shall be permitted to modify his bid.

16. Bid Security

- 16.1 The Bidder shall furnish, as part of his Bid, a Bid security for the amount as shown in the IFB/BDS for this particular work, in favour of the person named in the IFB/BDS, and in one of the following forms.
- a. Receipt in Challan of cash deposit in the Government Treasury in India.
 - b. Deposit-at-call Receipt from any scheduled Indian Bank or a foreign Bank located in India and approved by the Reserve Bank of India.
 - c. Indian Post Office/National Savings Certificate duly endorsed by the competent postal authority in India.
 - d. Bank Guarantee from any scheduled Indian Bank, in the format given in Section 8.
 - e. Fixed Deposit Receipt, letter of credit, issued by any Scheduled Indian Bank or a foreign Bank approved by the Reserve Bank of India.
- 16.2 Bidders exempted from payment of Bid Security will be able to participate in the bid directly by uploading documentary evidences towards his eligibility.
- 16.3 Bank guarantees (and other instruments having fixed validity) issued as surety for the bid shall be valid for 28 days beyond the validity of the bid.
- 16.4 The bidder shall scan all the written/printed pages of the bid security and upload the same in portable document format (PDF) to the system in designated place of the Technical Bid. Furnishing scanned copy of such documents is mandatory, otherwise his/her bid shall be declared as non-responsive and liable for rejection.
- 16.5 The Bid Inviting Officer will verify the original documents of all the uploaded scanned documents of the successful lowest bidder only within 5 days of opening of the financial bid. In the eventuality of failure on the part of the lowest successful bidder to produce the original documents, his/her bid shall not be evaluated, and the bidder shall be debarred in future from participating in all bids in the State for 3 years and will be recommended for blacklisting by the competent authority.
- 16.6 The Bid Security may be forfeited
- a. if the Bidder withdraws the Bid after Bid opening during the period of Bid validity including extended period of validity; or
 - b. if the Bidder, in the event of being the successful Bidder, fails within the specified time limit to
 - i. sign the Agreement,
 - ii. furnish the required Performance Security, or
 - iii. deposit the required license fees with State Government to register itself as a Special/Super Class contractor with Government of Odisha within 15 (fifteen) days of issue of Letter of Acceptance of Bid.
- 16.7 The bid security of unsuccessful bidders shall be returned as promptly as possible upon the successful bidder's furnishing of the performance security pursuant to Clause 34.

- 16.8 The Bid Security of the successful bidder will be discharged when the bidder has furnished the required Performance Security and signed the Agreement.
- 16.9 Combined bid security for more than one work is not acceptable.

17. Alternative Proposals by Bidders

- 17.1 Conditional offers or alternative offers mentioned anywhere shall not be considered in the process of bid evaluation.

18. Format & Signing of Bid

18.1 Preparation of the Document

- 18.1.1. The bidder shall carefully go through the bid and prepare the required documents. The bid shall have a Technical Bid & a Financial Bid. The Technical Bid consists of cost of Bid documents, Bid Security, List of similar nature of works, work in hand, list of machineries & personnel, and any other information required under Section 2.
- 18.1.2. The Financial Bid shall consist of the Bill of Quantities (BOQ) and any other price related information/undertaking including rebates required under Section 7.
- 18.1.3. Bidders are to submit only the original BoQ (in .xls format) uploaded by Bid Inviting Officer after entering the relevant fields without any alteration/deletion/modification. In case of item rate bid, bidders shall fill in their rates other than zero value in the specified cells without keeping it blank. In the percentage rate bid the bidder quoting zero percentage is valid and will be taken at par with the estimated rate of the work put to bid.
- 18.1.4. Multiple BoQ submission by any bidder shall lead to cancellation of his bid.
- 18.1.5. The bidder shall upload the scanned copy/copies of document in support of eligibility criteria and qualification information in prescribed format in Portable Document Format (PDF) to the portal in the designated locations of Technical Bid. The Bidder should ensure clarity/legibility of the document uploaded by him to the portal.
- 18.1.6. The bidder shall write his name in the space provided in the specified location in the Protected Bill of Quantities (BOQ) published by the Bid Inviting officer. The bidder shall type rates in figure only in the rate column of respective item(s) without any blank cell in the rate column in case of item rate bid and type percentage excess or less up to two decimal place only in case of percentage rate bid.
- 18.1.7. The bidder shall log on to the portal with his/her DSC and move to the desired bid for uploading the documents in appropriate place one by one simultaneously checking the documents.
- 18.1.8. The Bid Inviting Officer shall not be responsible for any failure, malfunction or breakdown of the electronic system used during the e-procurement process.
- 18.1.9. The Bidder is required to upload documents related to his eligibility criteria and qualification information and Bill of Quantity duly filled in. It is not necessary for the part of the Bidder to upload the drawings and the other Bid documents (after signing) while uploading his bid. It is assumed that the bidder has referred all the drawings and documents uploaded by the Bid Inviting Officer.

18.2 Signing of Bid

- 18.2.1. The bidder shall digitally sign all statements, documents, certificates uploaded by him, owning sole and complete responsibility for their correctness/authenticity as per the provisions of the IT ACT 2000.

D. Submission of Bids

19. Date for Submission of the Bids

- 19.1 Bid shall be received only ONLINE on or before the date and time as notified in BDS.
- 19.2 The Employer may extend the date for submission of bids by issuing an amendment in accordance with Clause 10, in which case all rights and obligations of the Employer and the bidders previously subject to the original date will then be subject to the new date of submission.

20. Timeline for Submission of Bids

- 20.1 The Bidder will not be able to submit his bid after expiry of the date and time of submission of bid (server time).
- 20.2 The date and time of bid submission shall remain unaltered even if the specified date for the submission of bids declared as a holiday for the Bid Inviting Officer.
- 20.3 All bid uploaded by the Bidder to the portal will be encrypted. The encrypted Bid can only be decrypted/opened by the authorised persons on or after the due date and time.
- 20.4 Once submitted, the bids can't be viewed, retrieved or corrected. The Bidder should ensure correctness of the bid prior to uploading and take print out of the system generated summary of submission to confirm successful uploading of bid.

21. Late Bids

- 21.1 The Bidder will not be able to submit his bid after expiry of the date and time of submission of bid.

22. Modification, Resubmission and Withdrawal of Bids

- 22.1 Resubmission of bid by the bidders for any number of times before the date and time of submission is allowed. Resubmission of bid shall require uploading of all documents including price bid afresh.
- 22.2 If the bidder fails to submit his modified bids within the pre-defined time of receipt, the system shall consider only the last bid submitted.
- 22.3 The Bidder can withdraw his/her bid before the date and time of receipt of the bid by uploading scanned copy of a letter addressing to the Bid Inviting Officer citing reasons for withdrawal. The system shall not allow any withdrawal after the date and time of submission.

E. Bid Opening and Evaluation

23. Bid Opening

- 23.1 Bids cannot be opened before the specified date & time, even by the Bid Inviting Officer or the Procurement Officer or the Publisher.
- 23.2 Bid opening date and time is specified during bid creation or can be extended through corrigendum.
- 23.3 Opening of bids shall be carried out in the same order as it is occurring in invitation of bids or as in order of receipt of bids in the portal.
- 23.4 All Bid Opening Officers shall log-on to the portal to decrypt the bid submitted by the bidders. The bidders & guest users can view the summary of opening of bids from any system. Bidders are not required to be present during the bid opening at the opening location if they so desire.

- 23.5 In the event of the specified date of bid opening being declared a holiday for the Bid Inviting Officer, the bids will be opened at the same time on the next working day.
- 23.6 In case of all the bids being non-responsive, the Bid Inviting Officer shall complete the e-Procurement process by uploading the official letter for cancellation/re-bid.

24. Confidentiality

- 24.1 Information relating to the examination, clarification, evaluation, and comparison of Bids and recommendations for the award of a contract shall not be disclosed to Bidders or any other persons not officially concerned with such process until the award has been announced in favour of the successful bidder.
- 24.2 Any effort by a Bidder to influence the Employer during processing of bids, evaluation, bid comparison or award decisions shall be treated as Corrupt & Fraudulent Practices, mentioned under Clause 37 and may result in the rejection of the Bidders' bid.

25. Clarification of Financial Bids

- 25.1 To assist in the examination, evaluation, and comparison of bids, and qualification of the bidders; the Employer may ask the bidder for required clarification on the information submitted with the bid. The request for clarification and the response shall be in writing or by e-mail, but no change in the price or substance of the Bid shall be sought, offered, or permitted.
- 25.2 Subject to clause 24, no Bidder shall contact the Employer on any matter relating to the submitted bid from the time of the bid opening to the time the contract is awarded. If the Bidder wishes to bring additional information to the notice of the Employer, it shall do so in writing.

26. Examination of Bids, and Determination of Responsiveness

- 26.1 During the detailed evaluation of "Technical Bid", the Employer will determine whether each Bid
- a. meets the eligibility criteria defined in Clause 3 of ITB;
 - b. meets the qualification criteria in accordance with the provision of Clause 4 of ITB; and
 - c. is accompanied by the required bid cost, bid security and bid securing declaration form and the required documents mentioned under Section 2.
- 26.2 A substantially responsive bid is one which conforms to all the terms, conditions, and requirements of the bidding documents, without material deviation or reservation. A material deviation or reservation is one
- a. which affects in any substantial way the scope, quality, or performance of the Works;
 - b. which limits in any substantial way, inconsistent with the bidding documents, the Employer's rights or the Bidder's obligations under the Contract; or
 - c. whose rectification would affect unfairly the competitive position of other Bidders presenting substantially responsive Bids.
- 26.3 If a Bid is not substantially responsive, it may be rejected by the Employer, and may not subsequently be made responsive by correction or withdrawal of the nonconforming material deviation or reservation.
- 26.4 Non submission of legible documents may render the bid non-responsive.

27. Correction of Errors

- 27.1 There shall no arithmetical correction due to e-procurement processes.

28. Conversion to Single Currency

28.1 The bidder shall quote the prices in INR only.

29. Evaluations and Comparison of Substantially Responsive Bids

29.1 All the opened bids shall be downloaded and printed for taking up evaluation. The Employer will evaluate and compare the Financial Bids and arrange the Financial Bids in order of their value for subsequent evaluation.

29.2 The bidder may be asked in writing/e-mail to clarify on the uploaded documents provided in the Technical Bid, if necessary, with respect to any doubts or illegible documents. The Bid Inviting Officer may ask for any other document of historical nature during Technical evaluation of the bid; provided, in all such cases, furnishing of any document in no way alters the Bidder's price bid. The bidder shall respond in not more than seven days of issue of the clarification letter, failing which the bid of the bidder will be evaluated on its own merit.

29.3 The Technical evaluation of all the bids shall be carried out as per information furnished by Bidders. The Bid Inviting Officer will evaluate bid and finalize list of responsive bidders.

29.4 The Financial Bids of the technically responsive bidders shall be opened on the due date and time of opening. The Bid Inviting Officer shall log on to the system in sequence and open the Financial Bid. At the time of opening of "Financial Bid", bidders, whose Technical Bids were found responsive, may be present.

29.5 Bidder can witness the principal activities and view the documents/summary reports for that particular work by logging on to the portal with his DSC anywhere.

29.6 The estimated effect of the price adjustment conditions under Clause 47 of the Conditions of Contract, during the period of implementation of the Contract, will not be taken into account in Bid Evaluation.

29.7 If the Bid of the successful Bidder is seriously unbalanced in the opinion of the Employer in relation to the Employer's estimate for the work to be performed under the contract, the Employer may require the Bidder to produce detailed price analyses for any or all items of the Bill of Quantities, and/or to demonstrate the internal consistency of these prices with the construction methods and schedule proposed. The bidder shall respond in not more than seven days of issue of the clarification letter, failing which the bid of the bidder will be evaluated on its own merit.

After evaluation of the price analysis, the Employer may require that the amount of the performance security set forth in Clause 34 be increased at the expense of the successful Bidder to a level sufficient to protect the Employer against financial loss in the event of default of the successful Bidder under the Contract.

30. Negotiation of Bids

30.1 For examination, evaluation, and comparison of bids, the Bid Inviting Officer may, at his discretion, ask the lowest bidder for clarification of his rates including reduction of rate on negotiation and breakdown of unit rates.

F. AWARD OF CONTRACT

31. Award Criteria

31.1 Subject to Clause 32, the Employer will award the Contract to the Bidder whose bid has been determined to be substantially responsive and who has offered the lowest evaluated bid price.

- 31.2 In the eventuality of failure on the part of the lowest successful bidder to produce the original documents, or submit the performance security, the Bidder shall be debarred in future from participating in all the Bids for three years and will be recommended for blacklisting by the competent authority. In such a situation, the next successful bidder will be required to produce his original documents for consideration of his bid at the negotiated rate equal to lowest bidder. Otherwise the tender will be cancelled.
- 31.3 If the rate quoted by the bidder is less than 15% of the amount put to bid, then such a bid shall be rejected and the tender shall be finalized based on the merits of rest bids. But if more than one bid is quoted at 14.99% (Decimals up to two numbers will be considered for all practical purpose) less than the estimated cost, the bid accepting authority will finalize the tender through a transparent lottery system, where all bidders/their authorized representatives, the Bid Inviting Officer and Divisional Accounts Officer will remain present.
- 31.4 In no case, the contract shall be awarded to any bidder, whose available bid capacity is less than the evaluated bid price, even if the said bid is the lowest evaluated bid. The bid shall be deemed to be rejected and the contract will, in such case, be awarded to the next lowest bidder at his evaluated bid price.

32. Employer's Right to Accept any Bid and to Reject any or all Bids

- 32.1 Notwithstanding Clause 31, the Employer reserves the right to accept or reject any Bid and to cancel the Bidding process and reject all Bids at any time prior to the award of Contract, without thereby incurring any liability to the affected Bidder or Bidders or any obligation to inform the affected Bidder or Bidders of the grounds for the Employer's action.

33. Notification of Award and Signing of Agreement

- 33.1 The Bidder, whose Bid has been accepted, shall be notified of award by the Employer prior to expiration of the Bid validity period by facsimile or e-mail confirmed by letter sent through post. This letter (hereinafter and in the Conditions of Contract called the "Letter of Acceptance") will state the sum that the Employer will pay the Bidder in consideration of the execution, completion and remedying defects of the Works by the Contractor as prescribed by the Contract (hereinafter and in the Contract called the "Contract Price").
- 33.2 The notification of award will constitute the formation of the Contract, subject only to the furnishing of a performance security in accordance with the provisions of Clause 34, within 28 days of issue of letter of acceptance, and a detail work program showing the general methods, arrangements, order and timing for all the activities in the Works along with quarterly planned value statement and milestone wise detail work programme, in accordance with the provisions of clause 4.3(i).
- 33.3 The Agreement will incorporate all agreements between the Employer and the successful Bidder. It will be signed by the Employer and kept ready for signature of the successful bidder in the office of the Employer within 28 days following the issue of the Letter of Acceptance.
- 33.4 Upon the furnishing by the successful Bidder of the Performance Security, the Employer will promptly notify the other Bidders that their Bids have been unsuccessful.

34. Performance Security

- 34.1 Within 28 days of receipt of the Letter of Acceptance, the successful Bidder shall deliver to the Employer a Performance Security valid for a period as stipulated in Clause 52 of Conditions of Contract & in the Contract Data in any of the forms given below for an amount

equivalent to 5% of the Contract price plus Additional Performance Security for unbalanced bids in accordance with sub-clause 29.7 & 34.2 of ITB.

- a Bank Guarantee in the form given in Section 8

- 34.2 After evaluation of the price analysis, the Employer may require that the amount of the performance security be increased at the expense of the successful Bidder by an amount to be calculated as indicated in the BDS.
- 34.3 If the performance security is provided by the successful Bidder in the form of Bank Guarantee, it shall be issued either (a) at the Bidder's option, by a Nationalized/Scheduled Indian bank or (b) by a foreign bank located in India and acceptable to the Employer.
- 34.4 In the event of the successful Bidder failing to comply with the requirements of Sub-Clause 34.1 shall constitute a breach of contract, cause for annulment of the award, forfeiture of the bid security, and any such other remedy the Employer may take under the contract, and the Employer may resort to awarding the contract to the next ranked bidder.

35. Advance Payment and Security

- 35.1 The Employer will provide an Advance Payment on the Contract Price as stipulated in the Conditions of Contract, subject to maximum amount, as stated in the Contract Data.

36. Dispute Resolution

- 36.1 Any dispute arising out of the contract shall be resolved through the provisions of Arbitration & Conciliation Act, 1996.

37. Corrupt or Fraudulent Practices

- 37.1 It is required that the bidders observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, it is defined, for the purposes of this provision, the terms set forth below as follows:
- a. "Corrupt practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution; and
 - b. "Fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Employer and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Government of the benefits of free and open competition.
 - c. "collusive practice" is an arrangement between two or more parties¹² designed to achieve an improper purpose, including to influence improperly the actions of another party;
 - d. "coercive practice" is impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence improperly the actions of a party¹³.
- 37.2 The Employer will reject a proposal for evaluation, and/or award if it determines that the Bidder recommended for award has engaged in any of the corrupt or practices in competing for the contract in question and will declare the firm ineligible, either indefinitely or for a

¹² "parties" refers to participation in the procurement process (including public officials) attempting to establish bid prices at artificial, non-competitive levels.

¹³ A "party" refers to a participant in the procurement process or contract execution

stated period of time, to be awarded a contract, if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing the contract.

- 37.3 Furthermore, Bidders may be aware of the provision stated in clause 63 of the Conditions of Contract.

38. Grievance Reprisal Procedure/Complaint Procedure

- 38.1 The bidder has the right to submit a written and signed complaint at any stage in the procurement. The complaint will be addressed to the officer who has invited the bids.
- 38.2 The Bid Inviting Officer shall, within 5 working days of receipt of the complaint, acknowledge the receipt in writing to the complainant indicating that it has been received and the response will be sent in due course after detailed examination.
- 38.3 The Bid Inviting Officer shall convey the final decision to the complainant on the complaint received within a reasonable time.

G. BID DATA SHEET (BDS)*[The Employer shall fill up all the details required in the BDS]*

A. Introduction	
ITB 1.1	Bid Identification No. : _____
	The Employer is: _____
	The name of the Project is: _____
	Works Requirement: <i>[The Employer shall describe the works to be executed that would facilitate the bidder to have broad idea about the project. The description shall include but not limited to the details of the work being executed, nature of the work, brief details, location, funding sources etc. in a narrative form]</i>
ITB 2.1	The Project is financed by: _____
ITB 3.3	The value to be considered is Rs. 50 crore
ITB 4.3 (h)	The bidder shall not propose to sub-contract elements of the works amounting to more than 40% of the bid price. <i>(All bidders are expected to indicate clearly in the bid, if they proposed sub-contracting elements of the works amounting to more than 40 percent of the Bid Price. For each such proposal, the qualification and the experience of the identified subcontractor in the relevant field should be furnished along with the bid to enable the employer to satisfy himself about their qualifications before agreeing for such sub-contracting and include it in the contract.)</i>
ITB 4.4	The limit is Rs 50 crore
ITB 4.5 A	The last five years between financial year are _____ to _____
ITB 4.5 A (a)	Rs. _____ <i>[The Employer shall mention at least 1.5 times the maximum work to be performed in one year]</i>
ITB 4.5 A (b)	Rs. _____ <i>[The Employer shall mention the value to be atleast the 80% of estimated cost of the proposed work]</i>
ITB 4.5 A (c)	1.[item][Quantity & Unit] 2.[item][Quantity & Unit] 3.[item][Quantity & Unit] <i>[The Employer shall mention the primary items of work which, quantities</i>

	<i>usually @ 80% of the expected peak rate of construction For works costing more than the value specified in the BDS, Joint ventures may be allowed. In such case, the qualification criteria by each of the JV partner, lead partner are to be accordingly modified.]</i>
ITB 4.5 A (d)	Rs. _____ <i>[The Employer shall mention the value to be atleast the 80% of estimated cost of the electrical component of the proposed work]</i>
ITB 4.5 A (e)	Rs. _____ <i>[The Employer shall mention the value to be atleast the 80% of estimated cost of the water supply/sanitary engineering works component of the proposed work]</i>
ITB 4.5 A (f)	Rs. _____ <i>[The Employer estimated cost of the shall mention the value to be at least the 80% of proprietary works/specialized job works component of the proposed work]</i>
ITB 4.3 (e)	Rs. _____ <i>[The Employer shall mention this value as the maximum assessed cost of the work for a quarter]</i>
B. Bidding Documents	
ITB 8.2	https://tendersodiahs.gov.in
ITB 9.1	7 days
ITB 9.2	For Pre-Bid Meeting: Address: Venue: Time :IST, on[date] Time :IST, on[date] <i>[The Employer shall mention the details here]</i>
C. Preparation of Bids	
ITB 13.5	Price adjustment applicable/ Not applicable. <i>[The Employer shall provide here clearly whether price adjustment is applicable/not applicable. If a work period is more than 12 months, then the price adjustment is applicable.]</i>
ITB 15.1	90 days
ITB 16.1	Executive Engineer

	<p>[-----] Division, [Place], Odisha Bid Security Amount : Rupees.....</p>
D. Submission of Bids	
ITB 19.1	<p>The date and time for bid submission online is: Date:[_____] Time:[_____]</p>
E. Bid Opening and Evaluation	
ITB 23.1	<p>The Bid opening shall take place at Venue : [_____] Town/ City: [_____] State : [_____] Date : [_____] & Time : [_____]</p>
ITB 34.2	<p>No additional performance security is required when the bid value is up to 10% less than the estimated cost. When the bid amount is less than the estimated cost by more than 10% and not more than 15%, in such an event, the successful bidder will deposit the additional performance security to the extent of 1.5 times of the differential cost of the bid amount and 90% of the estimated cost.</p>

SECTION – 2

INFORMATION AND DOCUMENTS TO BE FURNISHED ALONG WITH THE BID

[The Bidder shall submit all the documents indicated below, in complete shape.]

1. CONTRACTOR'S BID
2. COST OF BID DOCUMENT
3. QUALIFICATION INFORMATION
4. EVIDENCE OF ACCESS TO OR AVAILIBLTY OF CREDIT FACILITY
5. AFFIDAVIT REGARDING ABANDONED OF WORKS AND UNDERTAKING
6. STATEMENT OF ETHICAL CONDUCT, FRAUD AND CORRUPTION
7. BID SECURITY BANK GUARANTEE

1. Contractor's Bid

(To be filled in by the Bidder and submitted along with the offer)

Description of the Works:

[To be filled in by Employer before issue of the Bidding Documents]

BID

To:

[To be filled in by Employer before issue of the Bidding Documents]

_____ *[the Employer]*

Address:

We, the undersigned, declare that;

- a. We have examined and have no reservations to the bidding documents, including addenda issued in accordance with instructions to bidders (ITB) clause 10;
- b. We offer to execute the Works described above in accordance with the Conditions of Contract, Specifications, Drawings and Bill of Quantities accompanying this Bid for the Contract price of Rs. _____ *[in figures]*(Rupees _____) *[in words]*¹⁴.
- c. Our bid shall remain valid for a period of _____(insert validity period as specified in the ITB)days from the dates fixed from bid submission accordance with the bidding documents, and it shall remain binding up on us and may be accepted at any time before the expiration of that period;
- d. If our bid is accepted, we commit to obtain a performance security in accordance with bidding document;
- e. We, including any sub-contractors or suppliers for any part of the contract, do not have any conflict of interest in accordance with ITB 3;
- f. We understand that this bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract is prepared and executed;
- g. We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive;

¹⁴ To be filled in by the Bidder, together with his particulars and date of submission at the bottom of the Form of Bid.

- h. We hereby certify that we have taken steps to ensure that no person acting for us or on behalf will engage in bribery.
- i. We also undertake that, in competing for (and, if the award is made to us, in executing) the above contract, we will strictly observe the laws against fraud and corruption in force in India namely "Prevention of Corruption Act 1988".
- j. Commissions or gratuities, if any, paid or to be paid by us to agents relating to this Bid, and to contract execution if we are awarded the contract, are listed below:

Name and address of agent	Amount	Purpose of Commission or gratuity
_____	_____	_____
_____	_____	_____
_____	_____	_____

(if none, state "none")

Yours faithfully,

Authorized Signature:

Name & Title of Signatory: _____

Name of Bidder: _____

Address: _____

2. Cost of Bid Document

[The Contractor shall furnish the cost of bid document as specified in the IFB]

3. Qualification Information

[The information shall be filled in by the Bidder in the following pages which shall be used for purpose of evaluation as provided for in Clauses 3 & 4 of the Instructions to Bidders.]

- Statement of compliance under the requirements of Sub Clause 3.2 of the instructions to Bidders.

2. For Individual Bidders

(Sub Clause 4.3 (a) of Instructions to Bidders may be referred to)

Constitution or legal status of Bidder : _____

[Attach copy]

Place of registration : _____

Principal place of business : _____

Name of Authorized Signatory of Bid : _____

Power of Attorney of Signatory of Bid : Attached / Not attached

[Attach original document]

- Copies of reports on the financial standing of the Bidder, such as turnover statements as per IT return, Balance Sheet and Profit & Loss statements duly certified by the Chartered Accountants for the last five years as stated under Clause 4.5 A of BDS.

(Sub Clause 4.3 (b) of Instructions to Bidders may be referred to)

- Total monetary value of Civil Engineering construction works performed in the last five years as stated under Clause 4.5 A of BDS and attached certificate from Chartered Accountants.

(Sub Clause 4.3 (c) of Instructions to Bidders may be referred to)

Financial Year	Value of Works performed (in Rs. lakhs)

- Experience in works of a similar nature and size for each of the last five years, and details of works under way or contractually committed and clients who may be contacted for further information on those contracts.#

(Sub Clause 4.3 (d) of Instructions to Bidders may be referred to)

- Experience in works of a similar nature and size:

Project Name	Details of the Employer*	Description of work	Contract No.	Value of contract (Rs. Lakhs)	Date of Commencement	Stipulated period of completion	Actual date of completion*	Remarks explaining reasons for delay
	Name: Address: Phone No.: E-mail:							

Immediately preceding the financial year in which bids are received.

*Attach certificate (s) from the Engineer(s)-in-Charge, not below the rank of Executive Engineer

b. Existing commitments and on-going works:

Description of works	Place & state	Contract No.	Name & Address of Employer.	Value of Contract (Rs. Cr)	Stipulated period of completion	Value of works [@] to be completed (Rs. Cr)	Anticipated date of completion
1	2	3	4	5	6	7	8

[@] Attach documentary evidence from the concerned authorities

c. Works for which bids already submitted:

Description of works	Place & state	Name & Address of Employer.	Estimated Value of Contract (Rs. Cr)	Stipulated period of completion	Date when decision is expected	Remarks, if any
1	2	3	4	5	6	7

6. Evidence of access to financial resources to meet the qualification requirements: cash in hand, lines of credit, etc. List them below and attach copies of support documents in the attached format provided in this Section.

(Sub Clause 4.3 (e) of Instructions to Bidders may be referred to)

7. Name, address, e-mail id, telephone and fax numbers of the Bidders' Bankers who may provide references if contacted by the Employer.

(Sub Clause 4.3 (f) of Instructions to Bidders may be referred to)

Sl. No.	Name of the Bank	Address	Telephone No.	FAX no.	e-mail id
1	2	3	4	5	6

8. Information on litigation history in which the Bidder is involved

(Sub Clause 4.3 (g) of Instructions to Bidders may be referred to)

Other Part(ies)	Employer	Cause of Dispute	Amount involved	Remarks showing present status

9. Proposed subcontracts and firms involved.

(Sub Clause 4.3 (h) of Instructions to Bidders may be referred to)

Sections/ Items/ Nature of the works	Value of the Proposed Sub Contract	Details of Subcontractor (Name , Address, Phone No., E-mail id)	Copies of Experience Certificate [@] in similar work	Copies of valid license [%] attached	Consent of the proposed Sub-Contractor ⁺ attached
			Yes/ No	Yes/ No	Yes/ No

[@] Attach copies of experience certificates of similar nature of work from Employers of the Sub-Contractor.

[%] Attach copies of certificates of possession of valid license for executing the specialized work (Like Water supply & Sanitary work / Electrification works/ Civil works/ Proprietary works/ Specialized Job works)

* Consent of the proposed Sub-Contractor to complete the work in all respects must be attached in original.

10. The proposed methodology and program of construction

(Sub Clause 4.3 (i) of Instructions to Bidders may be referred to)

i. Work Program	Attached/Not Attached
ii. Methodology	Attached/Not Attached
iii. Plan value Statement	Attached/Not Attached
iv. Details of Quarry	Attached/Not Attached
v. Environment Management Plan	Attached/Not Attached

11. Quantity Experience:

[The Bidder **must** list all the information requested in the Sub Clause 4.5 A (c) of the Instructions to Bidders.]

Sl. No.	Item of Work	Minimum Requirement for the works		Experience of the Bidder		
		Quantity	Unit	Quantity	Name of the Work where executed	Documentary Evidence source
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	[.....]	[.....]	[.....]			
2	[.....]	[.....]	[.....]			
....	[.....]	[.....]	[.....]			

- The items, quantities and units shall be specified by the Employer depending upon type of works requirement, in columns (2) to (4). (usually 80% of the expected peak rate of construction)
- The Bidder shall provide details of quantities and documentary evidence in support of execution of the quantities listed above, in columns (5) to (7). The certificate (s) must be from the Engineer(s)-in-Charge, not below the rank of Executive Engineer.

12. Major items of construction equipment proposed to carry out the Contract:

[The Bidder **must** list all the information requested below. Refer also to Sub Clause 4.5 B (a) of the Instructions to Bidders.]

Sl. No.	Type of Equipment	Minimum Requirement for the works		Experience of the Bidder				
		Nos.	Capacity	Nos.	Capacity	Registration. No./ Identification No.	Owned/ Leased/ To be procured	Condition
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	[.....]	[.....]	[.....]					
2	[.....]	[.....]	[.....]					
3	[.....]	[.....]	[.....]					
...	[.....]	[.....]	[.....]					
...	[.....]	[.....]	[.....]					

- The type and minimum numbers of key plants & equipments shall be specified by the Employer depending upon type of works requirement, in columns (2) to (4).

- ii. The Bidder shall provide documentary evidence in support of their possession of plants and equipments listed above, in columns (5) to (9).
- iii. For machineries/equipments to be used on lease basis, the bidder shall provide details of the lease agreement which shall form a part of the qualification of the bidder.
- iv. Machineries, older than 5 years or in poor working condition, shall be reconditioned/ repaired to improve the performance level. Such machinery shall pass the test of satisfactory performance by the Mechanical Engineer of the concerned Department.
- v. For contract packages less than Rs. 3 crore, the eligibility and qualifications of the bidders shall be based on its status of registration with the Department.

13. Qualifications and experience of key personnel proposed for administration and execution of the Contract.

[The Bidder **must** list all the information requested below. Refer also to Sub Clause 4.5 B (b) of the Instructions to Bidders.]

Sl. No.	Minimum Requirement of Contract			Availability Proposals		
	Position	Qualification	Experience	Name	Qualification	Experience
1	[.....]	[.....]	[.....]			
2	[.....]	[.....]	[.....]			
3	[.....]	[.....]	[.....]			
...	[.....]	[.....]	[.....]			
...	[.....]	[.....]	[.....]			

- i. The number and qualification of key personnel required for the work will be specified by the Employer before invitation of bid as per the requirement of the work.
- ii. The Bidder shall provide CVs of proposed personnel listed above.
- iii. For contract packages less than Rs. 3 crore, the eligibility and qualifications of the bidders shall be based on its status of registration with the Department.

4. Format for Evidence of Access to or Availability of Credit Facilities

BANK CERTIFICATE

This is to certify that M/s. is a reputed company with a good financial standing.

If the contract for the work, namely “[insert name of the work]” is awarded to the above firm, we shall be able to provide overdraft/credit facilities to the extent of Rs. to meet their working capital requirements for executing the above contract.

Name of Bank
Senior Bank Manager
Address of the Bank

5. Affidavit Regarding Abandoned of any Works and Undertaking

1. I, the undersigned, do hereby certify that all the statements made in the required attachments are true and correct.
2. The undersigned also hereby certifies that neither our firm M/s
..... have abandoned any work nor any contract awarded to us for such works have been rescinded, during last five years prior to the date of this bid.
3. The undersigned hereby authorise(s) and request(s) any bank, person, firm or corporation to furnish pertinent information deemed necessary and requested by the Department to verify this statement or regarding my (our) competence and general reputation.
4. The undersigned understands and agrees that further qualifying information may be requested, and agrees to furnish any such information at the request of the Department/Project implementing agency.

(Signed by an Authorized Officer of the Firm)

Title of Officer

Name of Firm

DATE

6. Statement of Ethical Conduct, Fraud and Corruption

We, the undersigned confirm in the preparation of our bid that:

1. Neither we, nor any of our employees, associates, agents, shareholders, consultants, partners or their relatives or associates have any relationship that could be regarded as a conflict of interest as set out in the bidding document.
2. Should we become aware of the potential for such a conflict will report it immediately to the procuring organization.
3. That neither we, nor any of our employees, associates, agents, shareholders, partners consultants or their relatives or associates have entered into corrupt, fraudulent, coercive or collusive practices in respect of our bid or proposal.
4. We understand our obligation to allow the Government of Odisha to inspect all records relating to the preparation of our bid and any contract that may result from such irrespective of if we are awarded a contract or not.
5. In connection with this procurement exercise and any contract that is awarded to us as a result thereof, no payments have been made or will be made by us, our associates, agents, shareholders, partners or their relatives or associates to any of the staffs, associates, consultants, employees or relatives of such who are involved with the procurement process, contract implementation, and the issuance of progress payment on behalf of the purchaser, client or employer.

Signed: *[signature of person authorized by the Bidder to sign the bid submission form and whose name and title are shown below]*

Name: *[insert full name]*

Title: *[insert official title]*

Duly authorized to sign the bid for and on behalf of: *[insert complete name of Bidder]*

Dated on _____ day of _____, _____ *[insert date of signing]*

7. Bid Security Bank Guarantee

Bank's Name and Address of Issuing Branch or Office

Beneficiary: name and address of Employer

Date:

Bid Security No.:

We have been informed that **name of the Bidder** (hereinafter called "the Bidder") has submitted to you its bid dated (hereinafter called "the Bid") for the execution of **name of Contract** under Invitation for Bids No ("the IFB").

Furthermore, we understand that, according to one of your conditions, bids must be supported by a bid guarantee.

At the request of the Bidder, we **name of Bank** hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of **amount in figures** (..... amount in words) upon receipt by us of your first demand in writing accompanied by a written statement stating that the Bidder is in breach of its obligation(s) under the bid conditions, because the Bidder:

- a) Has withdrawn its Bid during the period of bid validity including extended period of validity specified by the Bidder in the Form of Bid;
- b) Having been notified of the acceptance of its Bid by the Employer during the period of bid validity, (i) fails or refuses to execute the Contract Agreement, (ii) fails or refuses to furnish the performance security, in accordance with the ITB, or (iii) fails to deposit the required license fees with State Government to register itself as a special/ super class Contractor with Govt. of Odisha within 15 (fifteen) days of issue of letter of acceptance of Bid.

This guarantee will expire: (a) if the Bidder is the successful Bidder, upon our receipt of copies of the Contract Agreement signed by the Bidder and the performance security issued to you upon the instruction of the Bidder; and (b) if the Bidder is not the successful Bidder, upon the earlier of (i) our receipt of a copy your notification to the Bidder of the name of the successful Bidder; or (ii) twenty-eight days beyond the validity of the bid including extended period of validity.

Consequently, any demand for payment under this guarantee must be received by us at the office on or before that date.

..... Bank's seal and authorized signature(s)

SECTION – 3
CONDITIONS OF CONTRACT

A. GENERAL

1. Definitions

- 1.1. Terms, which are defined in the Contract Data, are not also defined in the Conditions of Contract but keep their defined meanings. Capital initials are used to identify defined terms.

Bill of Quantities means the priced and completed Bill of Quantities.

Compensation Events are those defined in Clause 44 hereunder.

The **Completion Date** is the date of completion of the Works as certified by the Engineer in accordance with Sub Clause 55.1.

The **Contract** is the contract between the Employer and the Contractor to execute, complete and maintain the Works. It consists of the documents listed in Clause 2.3 below.

The **Contract Data** defines the documents and other information, which comprise the Contract.

The **Contractor** is a person or corporate body whose Bid to carry out the Works has been accepted by the Employer.

The **Contractor's Bid** is the completed Bidding document submitted by the Contractor to the Employer and includes Technical and Financial Bids.

The **Contract Price** is the price stated in the Letter of Acceptance and thereafter as adjusted in accordance with the provisions of the Contract.

Days are calendar days; months are calendar months.

A **Defect** is any part of the Works not completed in accordance with the Contract.

The **Defects Liability Period** is the period named in the Contract Data and calculated from the Completion Date.

Earned Value is the cumulative measure of the work performed expressed in monetary unit on any particular date.

The **Employer** is the party who will employ the Contractor to carry out the Works.

The Engineer is the person named in the Contract Data, (The Engineer is generally the concerned Executive Engineer who is in charge of the work, unless and otherwise specifically mentioned different in the Contract Data) who is responsible for supervising the Contractor's work, and administering the Contract.

Equipment is the Contractor's machinery and vehicles brought temporarily to the Site to construct the Works.

The **Initial Contract Price** is the Contract Price listed in the Employer's Letter of Acceptance.

The **Intended Completion Date** is the date on which it is intended that the Contractor shall complete the Works. The Intended Completion Date is specified in the Contract Data. The Intended Completion Date may be revised only by the Employer by issuing an extension of time.

Materials are all supplies, including consumables, used by the contractor for incorporation in the Works.

Planned value is the planned future expenditure for a period, i.e. for a month, a financial quarter, a year or the period or the total contract period.

Plant is any integral part of the Works, which is to have a mechanical, electrical, electronic or chemical or biological function.

The **Site** is the area defined as such in the Contract Data.

Site Investigation Reports are those, which were included in the Bidding documents and are factual interpretative reports about the surface and sub-surface conditions at the site.

Specification means the Specification of the works included in the Contract and any modification or addition made or approved by the Employer.

The **Start Date/Date of Commencement** is given in the Contract Data. It is the date when the Contractor shall commence execution of the works. It does not necessarily coincide with any of the Site Possession Dates.

A **Subcontractor** is a person or corporate body who has a Contract with the Contractor to carry out a part of the work in the Contract, which includes work on the Site.

Temporary Works are works designed, constructed, installed, and removed by the Contractor, which are needed for construction or installation of the Works.

A **Variation** is an instruction given by the Engineer, which changes the scope of the Works both in respect of increase or decrease of quantities, specifications and execution of new items.

The **Works** are what the Contract requires the Contractor to construct, install, and turn over to the Employer, as defined in the Contract Data.

The **Routine Maintenance Works** means the works required to be carried out by the Contractor between the commencement date and the date on which Taking Over Certificate is issued to keep the site in traffic worthy condition for movement of usual traffic as well as construction traffic. Routine Maintenance Works form part of works but are considered incidental to the works and are not separately paid for.

2. Interpretation

- 2.1. In interpreting these Conditions of Contract, singular also means plural, male also means female or neuter, and the other way around. Headings have no significance. Words have their normal meaning under the language of the Contract unless specifically defined. The Employer will provide instructions clarifying queries about the Conditions of Contract.
- 2.2. If sectional completion is specified in the Contract Data, references in the Conditions of Contract to the Works, the Completion Date, and the Intended Completion Date apply to any Section of the Works (other than references to the Completion Date and Intended Completion date for the whole of the Works).
- 2.3. The documents forming the Contract shall be interpreted in the following order of priority:
 1. Agreement
 2. Letter of Acceptance, notice to proceed with the works
 3. Contractor's Bid
 4. Contract Data
 5. Conditions of Contract including Special Conditions of Contract
 6. Specifications
 7. Drawings
 8. Bill of quantities
 9. Any other Document (specified in the Contract Data)

3. Language and Law

- 3.1. The language of the Contract and the law governing the Contract are stated in the Contract Data.

4. Engineer's Decisions

- 4.1. Except where otherwise specifically stated, the Engineer will decide contractual matters between the Employer and the Contractor in the role representing the Employer as per the provision of the contract.

5. Delegation

- 5.1. The Engineer may delegate any of his duties and responsibilities to other people after notifying the Contractor and may cancel any delegation after notifying the Contractor.

6. Communications

- 6.1. Communications between parties which are referred to in the conditions are effective only when in writing. A notice shall be effective only when it is delivered (in terms of Indian Contract Act).

7. Sub-contracting

- 7.1. The Contractor may sub-contract any portion of work, up to a limit specified in Contract Data, with the approval of the Engineer but may not assign the Contract without the approval of the Employer in writing.

The Contractor shall not subcontract the whole of the works.

- 7.2. If the contractor, beyond the above limit, proposes sub-contracting any part of the work during execution of works, because of some unforeseen circumstances to enable him to complete the work as per terms of the contract, the Engineer may consider the same for according approval.

- 7.3. The contractor shall sub-contract for executing the specialized work portion only¹⁵.

- 7.4. Consent of the Engineer for sub-contracting shall not relieve the contractor from any liability or obligations under the contract and he shall be responsible for the acts, defaults and neglects of any sub-contractor, his agents or workmen as fully as if they were the acts, defaults or neglects of the contractor, his agents or workmen.

- 7.5. The Engineer should justify in the consent whether (a) the circumstances warrant such sub-contracting; and (b) the sub-contractors so proposed for the work possess the experience, qualification and equipment necessary for the job proposed to be entrusted to them in proportion to the quantum of work to be sub-contracted.

- 7.6. If payments are proposed to be made directly to that sub-contractor, this should be subject to specific authorization by the prime contractor. Any such arrangement does not alter the contractor's liability or obligations under the contract.

- 7.7. Before issuing a Payment Certificate to the Contractor, which includes an amount payable to a subcontractor, the Engineer may request the Contractor to supply reasonable evidence that the nominated Subcontractor has received all amounts due in accordance with previous Payment Certificates, less applicable deductions for retention or otherwise.

¹⁵ Specialized work means a different provision not generally executed by the agency, such as Water supply & Sanitary works and Electrification works in a civil works contract/Civil works in an Electrical works Contract/Proprietary works/Specialized job works.

8. Other Contractors

- 8.1. The Contractor shall cooperate and share the Site with other contractors, public authorities, utilities, and the Employer between the dates given in the Schedule of other Contractors. The Contractor shall as referred to in the Contract Data, also provide facilities and services for them as described in the Schedule. The employer may modify the schedule of other contractors and shall notify the contractor of any such modification.

9. Personnel

- 9.1. The Contractor shall employ the key personnel named in the Schedule of Key Personnel as referred to in the Contract Data to carry out the functions stated in the Schedule or other personnel approved by the Engineer.
- 9.2. The Engineer will approve any proposed replacement of key personnel only if their qualifications, abilities, and relevant experience are substantially equal to or better than those of the personnel listed in the Schedule.
- 9.3. If the Engineer asks the Contractor to remove a person who is a member of the Contractor's staff or his work force stating the reasons the Contractor shall ensure that the person leaves the Site within seven days and has no further connection with the work in the Contract.

10. Risks

- 10.1. The Employer carries the risks which this Contract states are Employer's risks, and the Contractor carries the risks which this Contract states are Contractor's risks.

11. Employer's Risks

- 11.1. The Employer is responsible for the excepted risks which are
- a. in so far as they directly affect the execution of the works in the State of Odisha, the risks of war, hostilities, invasion, act of foreign enemies, rebellion, revolution, insurrection or military or usurped power, civil war, riot commotion or disorder (unless restricted to the Contractor's personnel), and contamination from any nuclear fuel or nuclear waste or radioactive toxic explosive,
 - b. use or occupation by the Employer of any part of the Permanent Works, except as may be specified in the Contract,
 - c. a cause due solely due to the design of the works, other than the Contractor's design, or
 - d. any operation of the forces of nature which is unforeseeable or against which an experienced contractor could not reasonably have been expected to have taken adequate preventative precautions.
- 11.2. **Rectification costs due to damage of works on account of Employer's risks** – If the works are damaged due to Employer's risk as per Clause 11.1, a Committee consisting of the Employer's representative, Engineer's representative and Contractor's representative will carry out a detailed inspection of damaged works and prepare a detailed report of damages occurred. The Committee shall prepare detailed cost estimate as per BoQ rates of the works. A variation order shall be prepared for rectification of the damaged works giving the time frame for completion of the rectification. The cost of rectification shall be paid to the Contractor through interim payment certificate.

12. Contractor's Risks

- 12.1. The Contractor shall take full responsibility for the care of the Works and Goods from the Commencement Date until the Taking-over Certificate is issued (Taking-over of the Works

and Sections) for the Works, when responsibility for the care of the Works shall pass to the Employer. The Contractor is also responsible for the risks stated below:

- a. damage to or loss of any property, real or personal (other than the Works), to the extent that such damage or loss arises out of or in the course of or by reason of the Contractor's design (if any), the execution and completion of the Works and the remedying of any defects;
- b. personal injury including deaths which arise during and in consequence of the performance of the Contract;
- c. all other risks other than the excepted risks stated in Clause 11.1.

13. Insurance

13.1. The Contractor shall provide, in the joint names of the Employer and the Contractor, insurance covers in two parts, i.e. (a) from the start date to the completion date, and (b) for the Defect Liability period, in the amounts and deductibles stated in the Contract Data for the following events which are due to the Contractor's risks:

- a. loss of or damage to the Works, Plants and Materials;
- b. loss of or damage to Equipment;
- c. loss of or damage of property (except the Works, Plant, Materials and Equipment) in connection with the Contract;
- d. Workman compensation policy to cover personal injury or death.

13.2. Policies and Certificates for insurance shall be delivered by the Contractor to the Engineer's approval before the Start Date. All such insurance shall provide for compensation to be payable in the types and proportions of currencies required to rectify the loss or damage incurred.

13.3. If the Contractor does not provide any of the policies and certificates required, the Employer may effect the insurance which the Contractor should have provided and recover the premiums the Employer has paid from payments otherwise due to the Contractor or, if no payment is due, the payment of the premiums shall be a debt due.

13.4. Alterations to the terms of insurance shall not be made without the approval of the Employer.

13.5. Both parties shall comply with any conditions of the insurance policies.

14. Site Investigation Reports

14.1. The Bidder, in preparing the Bid, shall rely on any site investigation reports supplemented by the Employer.

14.2. Any discrepancy in the site investigation reports, arising during execution, shall be brought by the Contractor to the notice of the Engineer.

15. Queries about the Contract Data

15.1. The Engineer will clarify queries on the Contract Data.

16. Contractor to Construct the Works

16.1. Commencement of the Works

The Contractor shall commence execution of the Works on the Start Date and shall carry out the Works in accordance with the programme submitted by the Contractor, as updated with the approval of the Engineer.

16.2. Construction of the Works

The Contractor shall construct and install the Works in accordance with the approved Specifications and Drawings, and as per instructions of the Engineer. During continuance of the contract, the Contractor and his sub contractors shall abide at all times by all existing labour enactments and rules, as mentioned in the Special Conditions of Contract.

16.3. Protection of the environment

The Contractor shall take all reasonable steps to protect the environment on and off the Site and to avoid damage or nuisance to persons or to property of the public or other resulting from pollution, noise or other causes arising as a consequence of his methods of operation.

During continuance of the contract, the Contractor and his sub-contractors shall abide at all times by all existing enactments on environmental protection and rules made there under, regulations, notifications and bye-laws of the State or Central Government, or local authorities and any other law, by-law, regulations that may be passed or notification that may be issued in this respect in future by the State or Central Government or the local authority. Salient features of some of the major laws that are applicable are provided in the Special Conditions of Contract.

- 16.4. **Non-performance of the routine maintenance works by the Contractor** – In the event that the Contractor fails to carryout routine maintenance works as directed by Engineer's representative within the reasonable time (as indicated in the Contract Data), it shall be deemed as a failure of the obligation by the Contractor. The Employer shall without prejudice to its rights under the Contract including termination thereof, be entitled to undertake such maintenance works at the cost of the Contractor. The cost incurred by the Employer will be recovered from the Contractor through deduction from the interim payment certification of the Contractor.

17. Completion of the Works

- 17.1. The Contractor shall complete the Works by the intended date of completion. In case Extension of Time has been granted, the extended date of completion shall be considered.

18. Approval by the Engineer

- 18.1. The Contractor shall submit Specifications and Drawings showing the proposed Temporary Works to the Engineer, who is to approve them if they comply with the Specifications and Drawings.
- 18.2. The Contractor shall be responsible for design and safety of Temporary Works.
- 18.3. The Engineer's approval shall not alter the Contractor's responsibility for design and safety of the Temporary Works.
- 18.4. The Contractor shall obtain approval from Third Parties to the design of the Temporary works where required.
- 18.5. All Drawings prepared by the Contractor for the execution of the temporary or permanent Works, are subject to prior approval by the Engineer before their use.

19. Safety

- 19.1. The Contractor shall be responsible for the safety of all activities on the Site.

20. Discoveries

- 20.1. 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 Engineer of such discoveries and carry out the Engineer's instructions for dealing with them.

21. Possession of the Site

21.1. The Employer shall give the Contractor right of access to, and possession of, all parts of the Site within the time (or times) stated in the Contract Data. If possession of a part of the site is not given by the date stated in the Contract Data, the Employer shall give suitable extension of time for completion of work. The Employer shall not pay any compensation on this account except price adjustment as per clause 47.

22. Access to the Site

22.1. The Contractor shall allow the Employer and any person authorized by the Employer access to the Site, to any place where work in connection with the Contract is being carried out or is intended to be carried out and to any place where materials or plant are being manufactured/fabricated/assembled for the works.

23. Instructions

23.1. The Contractor shall carry out all instructions of the Engineer pertaining to works, which comply with the applicable laws where the Site is located.

23.2. The Contractor shall permit the Employer or his authorized representative to inspect the Contractor's accounts and records relating to the performance of the Contractor and to have them audited by auditors appointed by the Employer, if so required by the Employer.

24. Disputes

24.1. For the purpose of jurisdiction, in the event of disputes, if any, of the contract would be deemed to have been entered into within the State of Odisha and it is agreed that neither party to the Contract will be competent to bring a suit in regard to the matter by this contract at any place outside the State of Odisha.

25. Procedure for Disputes

25.1. In case of Dispute or difference arising between the Employer and a Contractor relating to any matter arising out of or connected with this agreement, such disputes or difference shall be settled in accordance with the Arbitration and Conciliation Act, 1996, and details mentioned in the Special Conditions of Contract.

25.2. The parties shall make efforts to agree on a Sole Arbitrator and only if such an attempt does not succeed, then the disputes shall be referred to Arbitration.

26. Adjudicator

26.1. No adjudicator shall be appointed for the purpose of dispute resolution.

B. TIME CONTROL

27. Programme

27.1. Within 14 days of issue of Letter of Acceptance by the Employer, the successful bidder shall submit the detail work program including Environmental Management Plan for approval showing the general methods, arrangements, order and timing for all the activities of the Works along with quarterly planned value statement. The Work Programme Shall form part of the Contract as mentioned in the Contract Data.

27.2. The contractor shall submit to the Engineer, for approval, an updated Program at intervals no longer than the period of 90 days. If the Contractor does not submit an updated Program within this period, the Engineer may withhold the amount of 2% of the next payment

certificate amount and continue to withhold this amount until the next payment after the date on which the overdue program has been submitted.

- 27.3. An update of the Program shall be a program showing the actual progress achieved on each activity, the earned value and the effect of the progress achieved on the timing of the remaining work including any changes to the sequence of the activities.
- 27.4. The Engineer's approval of the Program shall not alter the Contractor's obligations. The Contractor may revise the Program and submit it to the Engineer again at any time. A revised Program shall show the effect of Variations and Compensation Events.

28. Extension of the Intended Completion Date

- 28.1. The Employer shall extend the Intended Completion Date if a Compensation Event occurs or a Variation is issued which makes it impossible for Completion to be achieved by the intended Completion Date without the Contractor taking steps to accelerate the remaining work and which would cause the Contractor to incur additional cost.
- 28.2. The Employer shall decide whether and by how much to extend the Intended Completion Date within 35 days of the Contractor asking the Engineer for a decision upon the effect of a Compensation Event or Variation and submitting full supporting information. If the Contractor has failed to give early warning of a delay or has failed to cooperate in dealing with a delay, the delay by this failure shall not be considered in assessing the new Intended Completion Date.
- 28.3. The Engineer shall, within 14 days of receiving full justification from the contractor for extension of Intended Completion Date, refer to the Employer his recommendation. The Employer shall in not more than 21 days communicate to the Engineer the Employer's decision. If the Employer fails to give his acceptance, the Engineer shall not grant the extension of time and the Contractor may refer the matter to the Arbitration under Clause 25.

29. Acceleration - Deleted

30. Delays Ordered by the Engineer

- 30.1. The Engineer may instruct the Contractor to delay the start or progress of any activity within the Works.

31. Management Meetings

- 31.1. Either the Engineer or the Contractor may require the other to attend a management meeting. The business of a management meeting shall be to review the plans for remaining work and to deal with matters raised in accordance with the early warning procedure.
- 31.2. The Engineer shall record the business of management meetings and is to provide copies of his record to those attending the meeting and to the Employer. The responsibility of the parties for actions to be taken is to be decided by the Engineer either at the management meeting or after the management meeting and stated in writing to all who attended the meeting.
- 31.3. Progress Reports: The Contractor shall prepare and submit the monthly progress reports to the Engineer in two hard copies including soft copy. The first report shall cover the period up to the end of the first calendar month following the Commencement Date. Reports shall be submitted monthly thereafter, each within 7 days after the last day of the period to which it relates.

Reporting shall continue until the Contractor has completed all work which is known to be outstanding at the completion date stated in the Taking-over Certificate for the Works.

Each report shall include:

- a. charts and detailed descriptions of progress, including each stage of design (if any), Contractor's Documents, procurement, manufacture, delivery to Site, construction, erection and testing;
- b. photographs showing the status of progress of work on the Site;
- c. Status of mobilisation of Contractor's Personnel and Equipment;
- d. copies of quality assurance documents, test results and certificates of Materials;
- e. list of early warning notices issued to the Engineer under Sub-Clause 32;
- f. safety statistics, including details of any hazardous incidents and activities relating to environmental aspects and public relations; and
- g. Comparisons of actual and planned progress, with details of any events or circumstances which may jeopardise the completion in accordance with the Contract, and the measures being (or to be) adopted to overcome delays.

32. Early Warning

- 32.1. The Contractor is to warn the Engineer at the earliest opportunity of specific likely future events or circumstances that may adversely affect the work resulting delay in the execution. The Engineer may require the Contractor to provide an estimate of the expected effect of the future event or circumstance on the Completion Date. The estimate shall be prepared by the Contractor as soon as possible and submitted to the Engineer.
- 32.2. The Contractor shall cooperate with the Engineer in making and considering proposals for how the effect of such an event or circumstance can be avoided or reduced by anyone involved in the work and in carrying out any resulting instruction of the Engineer.
- 32.3. Failure by the contractor to intimate and warn the Engineer about such events or circumstances shall forfeit the claim of the Contractor for time or cost compensation.

C. QUALITY CONTROL

33. Identifying Defects

- 33.1. The Engineer shall check the Contractor's work and notify the Contractor of any Defects that are found. Such checking shall not affect the Contractor's responsibilities. The Engineer may instruct the Contractor to search for a Defect and to uncover and test any work that the Engineer considers may have a Defect.
- 33.2. The Contractor shall permit the Employer's Technical auditor to check the Contractor's work and notify the Engineer and Contractor of any defects that are found. Such a check shall not affect the Contractor's or the Engineer's responsibility as defined in the Contract Agreement.

34. Tests

- 34.1. If the Engineer instructs the Contractor to carry out a test not specified in the Specification to check whether any work has a Defect and the test shows that it does, the Contractor shall pay for the test and any samples. If there is no Defect the test shall be a Compensation Event.

35. Correction of Defects

- 35.1. The Engineer shall give notice to the Contractor of any Defects before the end of the Defects Liability Period, which begins at Completion and is defined in the Contract Data. The Defects Liability Period shall be extended for as long as Defects remain to be corrected.
- 35.2. Every time notice of a Defect is given, the Contractor shall correct the notified Defect within the length of time specified by the Engineer's notice.

36. Uncorrected Defects

- 36.1. If the Contractor has not corrected a Defect within the time specified in the Engineer's notice, the Engineer will assess the cost of having the Defect corrected, and the Contractor will pay this amount.
- 36.2. Where in certain cases, the technical specifications provide for acceptance of works within specified tolerance limits at reduced rates, Engineer will certify payments to Contractor accordingly.

D. COST CONTROL

37. Bill of Quantities

- 37.1. The Bill of Quantities contains items for the construction, installation, testing, and commissioning work to be done by the Contractor.
- 37.2. The Bill of Quantities is used to calculate the Contract Price. The Contractor is paid for the quantity of the work to be done at the rate in the Bill of Quantities for each item.

38. Changes in the Quantities

- 38.1. If the final quantity of the work done differs from the quantity provided in the Bill of Quantities for the particular item, by more than 25 percent and such change exceeds 1% of initial contract price; the Engineer shall adjust the rate to allow the change, duly deriving the rate as under:
 - a. Contract rate for the quantity up to 1.25 times the BOQ quantity
 - b. For any item whose quantity exceeds beyond 1.25 times the quantity provided in the BOQ, the rate shall be as per the current Schedule of Rate for the quantity in excess of 1.25 times the original quantity.
- 38.2. The Engineer shall not adjust rates from changes in quantities if thereby the initial contract price is exceeded by more than 5 per cent, except with the prior approval of the Employer.
- 38.3. If requested by the Engineer, the contractor shall provide the Engineer with a detailed cost break down of any rate in the bill of quantities.

39. Variations

- 39.1. Change in scope may include:
 - a. Change in specifications of any item of works
 - b. Omission/deletion of any item of work from the scope of work
 - c. Any additional work which are not included in the scope of work including any additional test on completion
- 39.2. The Engineer may make modifications / alterations to the construction works before the issue of the completion certificate by giving an instruction to the contractor. The Contractor shall execute and be bound by each Variation issued; all variations shall be included in updated Programs produced by the Contractor.

40. Payments to Variations

- 40.1. If the work in the Variation corresponds with similar item in the Bill of Quantities, the rate in the bill of Quantities shall be used as base rate and rate for varied item to be arrived¹⁶.
- 40.2. If the varied item is altogether a new item of work, then the rate for the item of work shall be derived and paid as per the current schedule of rate irrespective of the tender premium or discount.
- 40.3. If the varied item is altogether a new item of work, which does not appear in the Schedule of Rates, then the rate for the item of work shall be derived and paid based on the minimum market rates of the materials, labour, and direct and indirect expenses constituting the item adopting the analysis of rates of MORTH/MoRD/CPWD, irrespective of the tender premium or discount.
- 40.4. The contractor shall not be entitled to additional payment for costs which could have been avoided by giving early warning.
- 40.5. Price adjustment shall be paid as per clause 47.

41. Cash Flow Forecasts

- 41.1. The contractor shall submit a planned value statement along with the work programme for the full contract period containing cumulative future quarterly expenditures.
- 41.2. The Contractor shall revise the work programme and update the quarterly planned value statement and submit it to the Engineer in the first week of every financial quarter.

42. Payment Certificates

- 42.1. The Contractor shall submit to the Engineer monthly priced statements of the completed and accepted work.
- 42.2. The Engineer shall check the Contractor's statement within 14 days and certify the amount to be paid to the Contractor as per contract payment schedule after taking into account any credit or debit for the month in question in respect of materials for the works in the relevant amounts and under conditions set forth in sub-clause 51 (3) of the Contract Data (Secured Advance), and recovery of advance payments.
- 42.3. The value of work executed shall be determined by the Engineer. The value of work executed shall comprise the value of the quantities of the items as per the mile stone and work programme attached to the contract.
- 42.4. The Engineer shall maintain and update the earned value statement every month.
- 42.5. The value of work executed shall include the valuation of Change in Scope (Variation) and Compensation Events, if any.
- 42.6. The Engineer may exclude any item certified in a previous certificate or reduce the proportion of any item previously certified in any certificate in the light of later information.

43. Payments

- 43.1. Payments shall be adjusted for deductions for advance payments, retention, other recoveries in terms of the contract and taxes at source, as applicable under the law. The Employer shall pay the Contractor the amounts certified by the Engineer within 28 of the date of each certificate. If the Employer makes a late payment, the Contractor shall be paid interest on the late payment in the next payment. Interest shall be calculated from the date by which the

¹⁶ For example, if BOQ rate is there for M20 grade concrete and if the varied item is M30 grade concrete, the rate shall be derived from the BOQ rate duly adding the cost of excess quantity of cement required for M30 grade concrete.

payment should have been made up to the date when the late payment is made at 8% per annum.

- 43.2. Items of the Works for which no rate or price has been entered in will not be paid by the Employer and shall be deemed covered by other rates and prices in the Contract.

44. Compensation Events

44.1. The following are Compensation Events unless they are caused by the Contractor:

- a. The Employer does not give access to a part of the Site by the Site Possession Date stated in the Contract Data.
- b. The Employer modifies the schedule of other contractors in a way which affects the work of the Contractor under the Contract.
- c. The Engineer orders a delay or does not issue drawings, specifications or instructions required for execution of works on time.
- d. The Engineer instructs the Contractor to uncover or to carry out additional tests upon work which is then found to have no Defects.
- e. The Engineer does not approve for a Sub-Contract to be let for more than 15 days.
- f. Ground conditions are substantially more adverse than could reasonably have been assumed before issuance of letter of acceptance from the information issued to bidders (including the site investigation reports), for information available publicly and from a visual inspection of the site.
- g. The Engineer give an instruction for dealing with an unforeseen condition, caused by the employer, or additional work required for safety or other reasons.
- h. Other contractors, public authorities, utilities or the employer does not work within the dates and other constraints stated in the contract, and they cause delay or extra cost to the contractor.
- i. The advance payment is delayed, beyond 28 days after receipt of application and bank guarantee, and after getting confirmation from the issuing bank.
- j. The effect on the Contractor of any of the Employer's Risks.
- k. The Engineer unreasonably delays issuing a Certificate of Completion.
- l. Other Compensation Events listed in the Contract Data or mentioned in the Contract.

44.2. If a Compensation Event would prevent the work being completed before the Intended Completion Date, the Intended Completion Date shall be extended. The Engineer shall decide whether and by how much the Intended Completion Date shall be extended.

44.3. If a Compensation Event would cause additional cost, the Contract Price shall be increased. The Engineer shall treat the event as "variation" as per Clause no.39 & 40, and ascertain the additional cost.

44.4. As soon as information demonstrating the effect of each Compensation Event up on the Contractor's forecast cost has been provided by the Contractor, it is to be assessed by the Engineer and the Contract Price shall be adjusted accordingly. If the Contractor's forecast is deemed unreasonable, the Engineer shall adjust the Contract Price based on Engineer's own forecast. The Engineer will assume that the Contractor will react competently and promptly to the event.

44.5. The Contractor shall not be entitled to compensation to the extent that the Employer's interests are adversely affected by the Contractor not having given early warning or not having cooperated with the Engineer.

45. Tax

- 45.1. The rates quoted by the Contractor shall be deemed to be inclusive the VAT, Royalty, Income Tax, Labour CESS and all other statutory taxes that the Contractor will have to pay for the performance of this Contract. The Employer will perform such duties in regard to the deduction of such taxes at source as per applicable law.

46. Currencies

- 46.1. All payments shall be made-in Indian Rupees.

47. Price Adjustment

- 47.1. Contract price shall be adjusted for increase or decrease in rates and price of labour, materials, fuels and lubricants in accordance with the principles, procedures and as per formula given in the contract data.
- a. The price adjustment shall apply for the work done from the start date given in the contract data up to end of the initial intended completion date or extensions granted by the Engineer and shall not apply to the work carried out beyond the stipulated time for reasons attributions to the contractor.
 - b. The price adjustment shall be determined during each month from the formula given in the contract data.
- 47.2. To the extent that full compensation for any rise or fall in costs to the contractor is not covered by the provisions of this or other clauses in the contract, the unit rates and prices included in the contract shall be deemed to include amounts to cover the contingency of such other rise or fall in costs.

48. Retention

- 48.1. The Employer shall retain from each payment due to the Contractor the proportion stated in the Contract Data until Completion of the whole of the works or settlement of final payment.
- 48.2. On completion of the whole of the Works, half the total amount retained is repaid to the Contractor and half when the Defects Liability Period has passed and the Engineer has certified that all Defects notified by the Engineer to the Contractor before the end of this period have been corrected.
- 48.3. On completion of the whole works, the contractor may substitute retention money with an "on demand" Bank guarantee.
- 48.4. No retention money shall be deducted from the Advance payments.

49. Liquidated Damages

- 49.1. The Contractor shall pay liquidated damages to the Employer at the rate per day stated in the Contract Data for each day that the Completion Date is later than the Intended Completion Date (for the whole of the works or the milestone as stated in the contract data). The total amount of liquidated damages shall not exceed the amount defined in the Contract Data. The Employer may deduct liquidated damages from payments due to the Contractor.
- 49.2. If the Intended Completion Date is extended after liquidated damages have been paid, the Engineer shall correct any overpayment of liquidated damages by the Contractor by adjusting the next payment certificate.
- 49.3. If the contractor fails to comply with the time for completion as stipulated in the tender, then the contractor shall pay to the employer the relevant sum stated in the Contract Data as Liquidated damages for such default and not as penalty for everyday or part of day which

shall elapse between relevant time for completion and the date stated in the taking over certificate of the whole of the works on the relevant section, subject to the limit stated in the contract data.

- 49.4. The employer may, without prejudice to any other method of recovery deduct the amount of such damages from any money due or to become due to the contractor. Payment or deduction of liquidated damages shall not relieve the Contractor from his obligation to complete the work as per agreed construction program and milestones or from any other of the contractor's obligations and liabilities under the contract.
- 49.5. If, before the Time for Completion of the whole of the Works or, if applicable, any Section, a Taking-over Certificate has been issued for any part of the Works or of a Section, the liquidated damages for delay in completion of the remainder of the Works or of that Section shall, for any period of delay after the date stated in such Taking-over Certificate, and in the absence of alternative provisions in the Contract, be reduced in the proportion which the value of the part so certified bears to the value of the whole of the Works or Section, as applicable. The provisions of this Sub-Clause shall only apply to the rate of liquidated damages and shall not affect the limit thereof.

50. Incentive Payment

- 50.1. If, the work is completed before the stipulated date of completion, the Contractor shall be eligible to avail incentive which shall be worked out as mentioned in the Contract Data.
- 50.2. For availing incentive clause, it shall be mandatory on the part of the Contractor to report the actual date of completion to the concerned Executive Engineer. The Executive Engineer shall report the actual date of completion of the Works as soon as possible through fax or e-mail so that the report is received within 7 days of such completion by the concerned Superintending Engineer, Chief Engineer & the Administrative Department.

51. Advance Payment

- 51.1. The Employer shall make advance payment to the Contractor of the amounts stated in the Contract Data by the date stated in the Contract Data, against provision by the Contractor of an Unconditional Bank Guarantee in a form and by a Bank acceptable to the Engineer in amounts and currencies equal to the advance payment. The guarantee shall remain effective until the advance payment has been repaid, but the amount of the guarantee may be progressively reduced by the amounts repaid by the Contractor. The Contractor shall ensure that the Bank Guarantee is enforceable until the advance payment has been repaid.
- 51.2. The Contractor shall use the advance payment only to pay for equipment, plant & machinery, and mobilization expenses required specifically for execution of the works. The Contractor shall demonstrate that the advance payment has been used in this way by supplying copies of invoices and documents to the Engineer. If the terms of guarantee specify its expiry date, and the advance payment has not been re-paid by the date 28 days prior to the expiry date, the contractor shall extend the validity of the guarantee until the advance payment has been repaid.
- 51.3. The advance payment shall be repaid through percentage deductions from the interim payments as follows:
- a. Deductions shall commence from the next immediate interim payment, as mentioned in the Contract Data.
 - b. Deductions shall be made in proportions of the advance payment until such time as the advance payment has been repaid: provided that the advance payment shall be

completely repaid prior to the time when 80 % of the accepted contract amount has been repaid.

- c. If the advance payment has not been repaid prior to the issue of the Taking over Certificate for the work or prior to termination under Clause -59, the balance advance is payable by the contractor to the Employer.

51.4. **Secured Advance:** The Engineer shall make advance payment in respect of the materials intended for but not yet incorporated in the works in accordance with the conditions stipulated in the Contract Data.

51.5. The advance payment shall be made to the Contractor no later than 28 days after fulfilment of the respective conditions mentioned in the Contract Data.

51.6. Interest shall be charged on the advance payment as mentioned in the Contract Data.

52. Securities

52.1. The Performance Security shall be provided to the Employer no later than the date specified in the Letter of Acceptance and shall be issued in an amount and form and by a bank or surety acceptable to the Employer, and denominated in Indian Rupees. The Performance Security shall valid until a date 28 days from the date of completion of whole of the works, including the Defects Liabilities Period.

53. Day Work

53.1. There is no provision of day work item in the Contract. However, the contractor shall be obliged to execute any such requirement arising thereof during the execution of the work and shall be paid as per the current schedule of rate irrespective of the tender premium or discount.

54. Cost of Repairs

54.1. Loss or damage to the Works or Materials to be incorporated in the Works between the Start Date and the end of the Defects Correction periods shall be remedied by the Contractor at the Contractor's cost if the loss or damage arises from the Contractor's acts or omissions including the situation as stipulated at Cl. 12.

E. FINISHING THE CONTRACT

55. Completion

55.1. The Contractor shall request the Engineer to issue a Certificate of Completion of the Works and the Engineer will do so upon deciding that the Work is completed.

56. Taking Over

56.1. The Employer shall take over the Site and the Works within seven days of the Engineer issuing a certificate of Completion.

57. Final Account

57.1. The Contractor shall supply to the Engineer a detailed account of the total amount that the Contractor considers payable under the Contract before the end of the Defects Liability Period. The Engineer shall issue a Defect Liability Certificate and certify any final payment that is due to the Contractor within 56 days of receiving the Contractor's account if it is correct and complete. If it is not, the Engineer shall issue within 56 days a schedule that states the scope of the corrections or additions that are necessary. If the Final Account is still unsatisfactory after it has been resubmitted, the Employer shall decide on the amount payable

to the Contractor and issue a payment certificate, within 56 days of receiving the Contractor's revised account.

58. As-Built Drawings and O&M Manuals

58.1. If "as built" Drawings and/or operating and maintenance manuals (O&M Manual) are required, the Contractor shall supply them in scale as directed by the dates and in the format stated in the Contract Data.

58.2. If the Contractor does not supply the Drawings and/or manuals by the dates stated in the Contract Data, or they do not receive the Employer's approval, the Engineer shall withhold the amount stated in the Contract Data from payments due to the Contractor.

59. Termination

59.1. The Employer or the Contractor may terminate the Contract if the other party causes a fundamental breach of the Contract.

59.2. Fundamental breaches of Contract include, but shall not be limited to the following:

- a. the Contractor stops work for 28 days when no stoppage of work is shown on the current Programme and the stoppage has not been authorized by the Engineer;
- b. the Employer or the Contractor is made bankrupt or goes into liquidation other than for a reconstruction or amalgamation;
- c. the Engineer gives Notice that failure to correct a particular Defect is a fundamental breach of Contract and the Contractor fails to correct it within a reasonable period of time determined by the Engineer;
- d. the Contractor does not maintain a security which is required;
- e. the Contractor has delayed the completion of works by the number of days for which the maximum amount of liquidated damages can be paid as defined in the Contract data; and
- f. if the Contractor, in the judgment of the Employer has engaged in corrupt or fraudulent practices in competing for or in executing the Contract, mentioned under Clause 63.

59.3. When either party to the Contract gives notice of a breach of contract to the Engineer for a cause other than those listed under Sub Clause 59.2 above, the Engineer shall decide whether the breach is fundamental or not.

59.4. Notwithstanding the above, the Employer may terminate the Contract for convenience.

59.5. If the Contract is terminated the Contractor shall stop work immediately, make the Site safe and secure and leave the Site, as soon as reasonably possible.

60. Payment upon Termination

60.1. If the-Contract is terminated because of a fundamental breach of Contract by the Contractor, the Engineer shall issue a certificate for the value of the work done less advance payments received up to the date of the issue of the certificate, less other recoveries due in terms of the contract, less taxes due to be deducted at source as per applicable law and less the percentage to apply to the work not completed as indicated in the Contract Data. Additional Liquidated Damages shall not apply. If the total amount due to the Employer exceeds any payment due to the Contractor, the difference shall be a debt payable to the Employer.

60.2. If the Contract is terminated at the Employer's convenience or because of fundamental breach of contract by the Employer, the Engineer shall issue a certificate for the value of the work done, less advance payments received up to the date of the certificate, less other recoveries due in terms of the contract and less taxes due to be deducted at source as per applicable law.

No extra cost will be paid by the employer for expenditure towards removal of Equipment, repatriation of the Contractor's personnel employed solely on the Works and the Contractor's costs of protecting and securing the Works.

61. Property

- 61.1. All materials on the Site, Plant, Equipment, Temporary Works and Works are deemed to be the property of the Employer, if the Contract is terminated because of a Contractor's default.

62. Release from Performance

- 62.1. If the Contract is frustrated by the outbreak of war or by any other event entirely outside the control of either the Employer or the Contractor, the Engineer shall certify that the Contract has been frustrated. The Contractor shall make the Site safe and stop work as quickly as possible after receiving this certificate and shall be paid for all work carried out before receiving it and for any work carried out afterwards to which commitment was made.

63. Fraud and Corruption

- 63.1. If the Employer determines that the Contractor has engaged in corrupt, fraudulent, collusive, coercive or obstructive practices, in competing for or in executing the Contract, then the Employer may, after giving 14 days notice to the Contractor, terminate the Contractor's employment under the Contract and expel him from the Site, and the provisions of Clause 59 shall apply as if such expulsion had been made under Sub-Clause 59.5 [Termination by Employer].
- 63.2. Should any employee of the Contractor be determined to have engaged in corrupt, fraudulent, collusive, coercive, or obstructive practice during the execution of the Works, then that employee shall be removed in accordance with Clause 9.
- 63.3. For the purposes of this Sub-Clause:
- (i) "Corrupt practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution; and
 - (ii) "Fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Employer and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Government of the benefits of free and open competition.
 - (iii) "collusive practice" is an arrangement between two or more parties designed to achieve an improper purpose, including to influence improperly the actions of another party;
 - (iv) "coercive practice" is impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence improperly the actions of a party.

F. Special Conditions of Contract

1. LABOUR (Clause 16.2 of Conditions of Contract):

1.1 Engagement of all Staff And Labour:

The Contractor shall, unless otherwise provided in the Contract, make his own arrangements for the engagement of all staff and labour, local or other, and for their payment, housing, feeding and transport.

The Contractor shall, if required by the Engineer, deliver to the Engineer a return in detail, in such form and at such intervals as the Engineer may prescribe, showing the staff and the numbers of the several classes of labour from time to time employed by the Contractor on the Site and such other information as the Engineer may require.

1.2 Compliance with Labour Regulations:

During continuance of the contract, the Contractor and his sub contractors shall abide at all times by all existing labour enactments and rules made there under, regulations, notifications and bye laws of the State or Central Government or local authority and any other labour law (including rules), regulations, bye laws that may be passed or notification that may be issued under any labour law in future either by the State or the Central Government or the local authority. Salient features of some of the major labour laws that are applicable to construction industry are given below.

The Contractor shall keep the Employer indemnified in case any action is taken against the Employer by the competent authority on account of contravention of any of the provisions of any Act or rules made there under, regulations or notifications including amendments. If the Employer is caused to pay or reimburse, such amounts as may be necessary to cause or observe, or for non-observance of the provisions stipulated in the notifications/bye Laws/Acts/Rules/regulations including amendments, if any, on the part of the Contractor, the Engineer/Employer shall have the right to deduct any money due to the Contractor including his amount of performance security. The Employer/Engineer shall also have right to recover from the Contractor any sum required or estimated to be required for making good the loss or damage suffered by the Employer.

The employees of the Contractor and the Sub-Contractor in no case shall be treated as the employees of the Employer at any point of time.

1.3 Salient Features of Some Major Labour Laws (Applicable to the establishments engaged in building and other construction work)

1.3.1. Workmen Compensation Act 1923: The Act provides for compensation in case of injury by accident arising out of and during the course of employment.

1.3.2. Payment of Gratuity Act 1972: Gratuity is payable to an employee under the Act on satisfaction of certain conditions on separation if an employee has completed 5 years' service or more or on death the rate of 15 days wages for every completed year of service. The Act is applicable to all establishments employing 10 or more employees.

1.3.3. Employees P.F. and Miscellaneous Provision Act 1952: The Act Provides for monthly contributions by the employer plus workers @ 10% or 8.33%. The benefits payable under the Act are:

- i. Pension or family pension on retirement or death, as the case may be.
- ii. Deposit linked insurance on the death in harness of the worker.
- iii. Payment of P.F. accumulation on retirement/death etc.

- 1.3.4. Maternity Benefit Act 1951: The Act provides for leave and some other benefits to women employees in case of confinement or miscarriage etc.
- 1.3.5. Contract Labour (Regulation & Abolition) Act 1970: The Act provides for certain welfare measures to be provided by the Contractor to contract labour and in case the Contractor fails to provide, the same are required to be provided, by the Principal Employer by Law. The Principal Employer is required to take Certificate of Registration and the Contractor is required to take license from the designated Officer. The Act is applicable to the establishments or Contractor of Principal Employer if they employ 20 or more contract labour.
- 1.3.6. Minimum Wages Act 1948: The Employer is supposed to pay not less than the Minimum Wages fixed by appropriate Government as per provisions of the Act if the employment is a scheduled employment. Construction of Buildings, Roads, Runways are scheduled employments.
- 1.3.7. Payment of Wages Act 1936: It lays down as to by what date the wages are to be paid, when it will be paid and what deductions can be made from the wages of the workers.
- 1.3.8. Equal Remuneration Act 1979: The Act provides for payment of equal wages for work of equal nature to Male and Female workers and for not making discrimination against Female employees in the matters of transfers, training and promotions etc.
- 1.3.9. Payment of Bonus Act 1965: The Act is applicable to all establishments employing 20 or more employees. The Act provides for payments of annual bonus subject to a minimum of 8.33% of wages and maximum of 20% of wages to employees drawing Rs. 3,500/- per month or less. The bonus to be paid to employees getting Rs. 2,500/- per month or above up to Rs. 3,500/- per month shall be worked out by taking wages as Rs. 2,500/- per month only. The Act does not apply to certain establishments. The newly set-up establishments are exempted for five years in certain circumstances. Some of the State Governments have reduced the employment size from 20 to 10 for the purpose of applicability of this Act.
- 1.3.10. Industrial Disputes Act 1947: The Act lays down the machinery and procedure for resolution of Industrial disputes, in what situations a strike or lock-out becomes illegal and what are the requirements for laying off or retrenching the employees or closing down the establishment.
- 1.3.11. Industrial Employment (Standing Orders) Act 1946: It is applicable to all establishments employing 100 or more workmen (employment size reduced by some of the States and Central Government to 50). The Act provides for laying down rules governing the conditions of employment by the Employer on matters provided in the Act and get the same certified by the designated Authority.
- 1.3.12. Trade Unions Act 1926: The Act lays down the procedure for registration of trade unions of workmen and employers. The Trade Unions registered under the Act have been given certain immunities from civil and criminal liabilities.
- 1.3.13. Child Labour (Prohibition & Regulation) Act 1986: The Act prohibits employment of children below 14 years of age in certain occupations and processes and provides for regulation of employment of children in all other occupations and processes. Employment of Child Labour is prohibited in Building and Construction Industry.
- 1.3.14. Inter-State Migrant workmen's (Regulation of Employment & Conditions of Service) Act 1979: The Act is applicable to an establishment which employs 5 or more inter-

state migrant workmen through an intermediary (who has recruited workmen in one state for employment in the establishment situated in another state). The Inter-State migrant workmen, in an establishment to which this Act becomes applicable, are required to be provided certain facilities such as housing, medical aid, travelling expenses from home upto the establishment and back, etc.

1.3.15. The Building and Other Construction workers (Regulation of Employment and Conditions of Service) Act 1996 and the Cess Act of 1996: All the establishments who carry on any building or other construction work and employs 10 or more workers are covered under this Act. All such establishments are required to pay cess at the rate not exceeding 1% of the cost of construction as may be modified by the Government. The Employer of the establishment is required to provide safety measures at the Building or construction work and other welfare measures, such as Canteens, First-Aid facilities, Ambulance, Housing accommodations for workers near the work place etc. The Employer to whom the Act applies has to obtain a registration certificate from the Registering Officer appointed by the Government.

1.3.16. Factories Act 1948: The Act lays down the procedure for approval at plans before setting up a factory, health and safety provisions, welfare provisions, working hours, annual earned leave and rendering information regarding accidents or dangerous occurrences to designated authorities. It is applicable to premises employing 10 persons or more with aid of power or 20 or more persons without the aid of power engaged in manufacturing process.

2. PROTECTION OF ENVIRONMENT (Clause 16.3 of Conditions of Contract):

The Contractor shall take all reasonable steps to protect the environment on and off the Site and to avoid damage or nuisance to persons or to property of the public or other resulting from pollution, noise or other causes arising as a consequence of his methods of operation.

2.1 Salient features of some of the major Environmental Laws:

2.1.1. The Water (Prevention and Control of Pollution) Act, 1974: This provides for the prevention and control of water pollution and the maintaining and restoring of wholesomeness of water. 'Pollution' means such contamination of water or such alteration of the physical, chemical or biological properties of water or such discharge of any sewage or trade effluent or of any other liquid, gaseous or solid substance into water (whether directly or indirectly) as may, or is likely to, create a nuisance or render such water harmful or injurious to public health or safety, or to domestic, commercial, industrial, agricultural or other legitimate uses, or to the life and health or animals or plants or of aquatic organisms.

2.1.2. The Air (prevention and Control of Pollution) Act, 1981: This provides for prevention, control and abatement of air pollution. 'Air Pollution' means the presence in the atmosphere of any 'air pollutant', which means any solid, liquid or gaseous substance (including noise) present in the atmosphere in such concentration as may be or tend to be injurious to human beings or other living creatures or plants or property or environment.

2.1.3. The Environment (Protection) Act, 1986: This provides for the protection and improvement of environment and for matters connected therewith, and the prevention of hazards to human beings, other living creatures, plants and property. 'Environment' includes water, air and land and the inter-relationship which exists among and between

water, air and land, and human being, other living creatures, plants, micro-organism and property.

- 2.1.4. The Public Liability Insurance Act, 1991: This provides for public liability insurance for the purpose of providing immediate relief to the persons affected by accident occurring while handling hazardous substances and for matters connected herewith or incidental thereto. Hazardous substance means any substance or preparation which is defined as hazardous substance under the Environment (Protection) Act 1986, and exceeding such quantity as may be specified by notification by the Central Government.

3. ARBITRATION (Clause 25.2 of Conditions of Contract)

In case of dispute or difference arising between the Employer and the contractor relating to any matter arising out of or connected with this agreement, such disputes or difference shall be settled in accordance with the Arbitration and Conciliation Act, 1996. The parties shall make efforts to agree on a sole arbitrator and only if such an attempt does not succeed, then the disputes shall be referred to Arbitration which is as under:

- i. For the value of Contracts upto Rs.5.00 crore, Sole Arbitrator will conduct hearings and publish Award. The Sole Arbitrator will be Superintending Engineer of another Circle office who is no way connected with the work, as indicated in the Contract Data.
- ii. For the value of Contracts above Rs.5.00 crore and upto Rs.25.00 cr, Sole Arbitrator will conduct hearings and publish Award. The Sole Arbitrator will be the Chief Engineer who is no way connected with the work other than the Chief Engineer, who is in charge of the work , as indicated in the Contract Data.
- iii. For the Contracts above Rs.25.00 crore
 - a. Arbitral Tribunal consisting of 3 arbitrators one each to be appointed by the Employer and the Contractor and the third Arbitrator to be chosen by the two Arbitrators so appointed by the Parties to act as Presiding Arbitrator shall be considered. In case of failure of the two arbitrators appointed by the parties to reach upon a consensus within a period of 30 days from the appointment of the arbitrator appointed subsequently, the Presiding Arbitrator shall be appointed by the Secretary General, Indian Road Congress, New Delhi, India
 - b. If one of the parties fails to appoint its arbitrator in pursuance of sub clause (a) above within 30 days after receipt of the notice of the appointment of its arbitrator by the other party, then the Secretary General, Indian Roads Congress, New Delhi, India shall appoint the arbitrator. A certified copy of the order of the Secretary General, Indian Roads Congress, New Delhi, India making such an appointment shall be furnished to each of the parties.
 - c. Arbitration proceedings shall be held in **Bhubaneswar**, Odisha, India and the language of the arbitrator proceedings and that of all documents and communications between the parties shall be English.
 - d. The decision of the majority of Arbitrators shall be final and binding upon both parties. The cost and expenses of Arbitration proceedings will be paid as determined by the arbitral tribunal. However, the expenses incurred by each party in connection with the preparation, presentation, etc. of its proceedings as also the fees and expenses paid to the arbitrator appointed by such party or on its behalf shall be borne by each party itself.

SECTION – 4
CONTRACT DATA

CONTRACT DATA

Sl. No.	Item	Sub-Clause	Data
1	The name and identification number of the Contract is	1.1	Construction of ----- No.-----
2	Defects Liability Period from the date of certification of completion of Works.	1.1, 35	365 days
3	The Employer is	1.1	Name : _____ Designation : _____ Address : _____ Email : _____ Ph : _____ Authorized Representative of the Employer: Name : _____ Address : _____ Email : _____ Ph : _____
4	The Engineer is	1.1	Name : _____ Designation : _____ Address : _____ Email : _____ Ph : _____ Authorized Representative of the Engineer: Name : _____ Address : _____ Email : _____ Ph : _____
5	The Intended Completion Date for the construction works is	1.1, 17, 28	[------] months from the start date. Mile Stone Dates: 1. Mile stone 1:Months for Section 1 2. Mile stone 2:Months for Section 2 3. ... 4.
6	The Site is located at	1.1	[------] and as defined in the drawings enclosed separately

Sl. No.	Item	Sub-Clause	Data
7	The Start Date shall be	1.1	The date of issue of Notice to Proceed with the Work
8	The Works consist of	1.1	<p>The work shall be executed as per BOQ, Drawings and Technical Specifications. The work shall, <i>inter alia</i>, include the following, as specified or as directed. Brief Details of the work is provided below¹⁷.</p> <p>_____</p> <p>_____</p> <p>_____</p> <p><i>[The Employer shall broadly describe the Road works/Bridge Works /Building works/ Electrical Works/Canal Works/ Water Supply works/Other works to be executed under this contract, and that would facilitate the bidder to have broad idea about the project. The description shall include but not limited to the details and provisions of the work being executed, nature of the work, brief details, location, funding sources etc. in a narrative form]</i></p>
9	Additional documents that form part of the Contract	2.3 (9)	<p>1. Work program</p> <p>2. Methodology</p> <p>3. Planned Value Statement</p> <p>4. Details of Quarry</p> <p>5. Environmental Management Plan</p> <p><i>[The Employer shall provide the details as per informations provided in Section 2 for Sub Clause 4.3 (i) of the Instructions to Bidders.]</i></p>
			<p>6. Major items of construction equipment proposed to carry out the Contract</p> <p><i>[The Employer shall provide the details as per informations provided in Section 2 for Sub Clause 4.5 B (a) of the Instructions to Bidders.]</i></p>
			7. Qualifications and experience of key personnel proposed for administration and execution of the

¹⁷ For example, for Road Works, the details would be:

Site clearance; setting-out and layout; widening of existing carriageway and strengthening including camber corrections; construction of new road/parallel service road; bituminous pavements remodelling/construction of junctions, intersections, bus bays, lay bays; supplying and placing of drainage channels, flumes, guard posts and guard other related items; construction/extension of cross drainage works, bridges, approaches and other related stones; road markings, road signs and kilometer/hectometer stones; protective works for roads/ bridges; all aspects of quality assurance of various components of the works; rectification of the defects in the completed works during the Defects Liability Period; submission of "As- built" drawings and any other related documents; and other item of work as may be required to be carried out for completing the works in accordance with the drawings and provisions of the contract to ensure safety.

Sl. No.	Item	Sub-Clause	Data
			Contract. <i>[The Employer shall provide the details as per informations provided in Section 2 for Sub Clause 4.5 B (b) of the Instructions to Bidders.]</i>
			8. Evidence of access to financial resources. 9. Name, address, e-mail id , telephone and fax numbers of the Contractors' Bankers <i>[Refer to the details as per informations provided in Section 2 for Sub Clause 4. 3 (e) & (f) of the Instructions to Bidders.]</i>
			10. Proposed subcontractors <i>[Refer to the details as per informations provided in Section 2 for Sub Clause 4.3 (h) of the Instructions to Bidders.]</i>
			11. Rate references & Indices for Price Adjustment on the Base Date <i>[The Employer shall provide the details as per Section 1, Sub-clause No. 13.5 of the Instructions to Bidders.]</i>
			12. The addendum if any 13. The record of pre-award clarifications if any
10	The language of the Contract documents is	3.1	English
11	The law which applies to the Contract is	3.1	The laws of Union of India
12	Engineer actions requiring Employers prior permission	4.1	i. Approval of Sub-Contractor; ii. Issue of Variation Orders; iii. Revision of rates; iv. Extension of Time; v. Issue of completion of Works certificates; and vi. Issue of Performance Certificate.
13	Limit of subcontracting	7.1	40% of the initial Contract price
14	Schedule of Other Contractors	8.1	<i>[Details to be provided by the Employer]</i>
15	Insurance requirements are	13	a. The Contractor shall obtain insurance cover for a minimum of Rs. per occurrence. b. The insurance cover shall be taken initially for a

Sl. No.	Item	Sub-Clause	Data
			<p>minimum of four occurrences, which shall be revised whenever an event involving Contractor's liability and Plant and Materials for payment arises, and additional insurances shall be taken so as to cover minimum four occurrences always.</p> <p>c. 0.2% of the Contract Amount shall be deducted in the event of failure to obtain the insurance by the contractor within 15 days of Start Date</p> <p><i>[The value shall be generally 0.5% of the Contract Value subject to a minimum of Rs. 2.00 lakh and maximum of Rs. 5.00 lakh]</i></p>
16	Site Investigation Report	14	<i>[Details to be provided by the Employer]</i>
17	Reasonable Time	16.4	15 Days
18	The Site Possession Dates shall be:	21.1	<p>a. Part 1 or Section 1 On _____</p> <p>b. Part 2 or Section 2 On _____</p> <p>c. Part 3 or Section 3 On _____</p> <p>As regards to maintenance of roads/stretches/structures, the contractor's obligations shall be limited to the portions of the site/stretches handed over to him by the Employer. Other stretches/structures not handed over to him shall be maintained by the Employer till handing over.</p>
19	Sole Arbitrator /Arbitral Tribunal	25	<p>The Superintending Engineer, ----- Circle shall Be the Sole Arbitrator, or</p> <p>The Chief Engineer, shall be the Sole Arbitrator, or</p> <p>Arbitral Tribunal to be decided later.</p> <p><i>[Appropriate clause to be provided by the Employer]</i></p>
20	Work Programme to form part of the Contract	27.1	Yes.
21	The amount to be withheld for late submission of an updated Program shall be	27.3	Rs. _____ Lakhs.
22	The following events shall also be Compensation Events:	44	<p>a. Removal of underground utilities detected subsequently</p> <p>b. Significant change in soil classification</p> <p>c. Seepage, erosion, landslide</p> <p>d. Restriction to access by civil, judiciary or military authority</p> <p>e. Presence of historical, religious or archaeological</p>

Sl. No.	Item	Sub-Clause	Data	
			structures interfering the works	
23	Price adjustment	47	<p>Price adjustment is not applicable/ Price adjustment is applicable and shall be calculated as per the formula provided at the end of Contract Data.</p> <p><i>[The Employer shall provide here clearly whether price adjustment is applicable/ not applicable. If a work period is more than 12 months, then the price adjustment is applicable]</i></p>	
24	The proportion of payments retained (retention money) shall be	48	<p>a. 7.5 % from each bill subject to a maximum of 5% of final contract price.</p> <p>b. This amount will be repaid to the Contractor as per Clause 48.</p>	
25	The liquidated damages (LD) for delay in completion of the works	49.1	<p>a. For sectional/milestone completion, LD will be withheld @ 0.05% of the calculated value on the basis of initial Contract for the particular section rounded off to nearest thousand, per day. The amount shall be refunded to the Contractor on completion of the milestone/section.</p> <p>b. The liquidated damages for whole of the works will be @ 0.05% of the initial Contract price rounded off to nearest thousand, per day, to be effective after the stipulated date of completion.</p> <p>c. The maximum amount of liquidated damages for the whole of the works is 10 percent of final contract price.</p>	
26	Assessment of Incentives	50.1	Completion time of Works	Eligible Incentives
			a. Before 30% of Contract Period	10% of Contract value.
			b. Before 20 to 30% of Contract Period	7.5% of Contract value.
			c. Before 10 to 20% of Contract Period	5% of Contract value.
			d. Before 5 to 10% of Contract Period	2.5% of Contract value.
			e. Before 5 % of Contract Period	1.0% of Contract value.

Sl. No.	Item	Sub-Clause	Data
27	Mobilization Advance	51.1	<ul style="list-style-type: none"> i. Shall be limited to 10% of the Contract price. ii. Shall be paid on submission of un-conditional Bank Guarantee of equivalent amount of mobilization advance, issued by a nationalized/scheduled bank located in India or a reputable bank located abroad and on the Employer's obtaining confirmation of the same from the issuing bank. The Contractor may furnish four bank guarantees – each valid for the full period.
28	Equipment Advance	51.1	<ul style="list-style-type: none"> i. Shall be limited to 90% for new and 50% of depreciated value for old equipment. ii. This advance is not applicable for equipment already owned or hired/ leased by the contractor. iii. Total amount will be subject to a maxi-mum of 5% of the Contract price. iv. After equipment is brought to site as per agreed construction program, and provided the Engineer is satisfied that the equipment is required for performance of the contract and in working condition, and on submission of unconditional Bank Guarantee for amount of advance issued by a nationalized/scheduled bank located in India, and on the Employer's obtaining confirmation of the same from the issuing bank.
29	Repayment of advance payment	51.3	<ul style="list-style-type: none"> i. The advance for mobilization and equipment shall be repaid with percentage deductions from the interim payments certified by the Engineer under the Contract. ii. Deductions shall commence in the next Interim Payment Certificate following that in which the total of all such payments to the Contractor has reached not less than 20 percent of the Contract Price or 6 months from the date of payment of first instalment of advance, whichever period concludes earlier. iii. Deductions shall be made at the rate of 25% of the amounts of all Interim Payment Certificates until such time as the advance has been repaid, always provided that the advance shall be completely repaid prior to the expiry of the original/extended time for completion. iv. All advance payments shall be completely recovered before end of 80% of Contract period
30	Secured advance for non-perishable materials	51.4	<ul style="list-style-type: none"> i. Amount shall be limited to lower of 75% of Invoice value or Market value.

Sl. No.	Item	Sub-Clause	Data
	brought to site		<ul style="list-style-type: none"> ii. Total amount will be subject to a maximum of 5% of the Contract price at any point of time. iii. This advance is applicable for the materials in accordance with the specification for Works, provided such materials have been delivered to site, and are properly stored and protected against damage or deterioration to the satisfaction of the Engineer. The contractor shall store the bulk material in measurable stacks. iv. The Contractor's records of the requirements, orders, receipt and use of materials shall be kept in a form approved by the Engineer, and such records shall be available for inspection by the Engineer. v. The contractor shall submit with his monthly statement the estimated value of the materials on site together with such documents as may be required by the Engineer for the purpose of valuation of the materials and providing evidence of ownership and payment thereof. vi. Ownership of such materials shall be deemed to be vest with the Employer for which the Contractor will submit on unconditional Bank Guarantee of equivalent amount of secured advance issued by a nationalized/ scheduled bank located in India. The materials shall be in the custody of the contractor on behalf of the employer, who will continue to provide store, watch & hard of such material till such period as may be utilized in the work. vii. The quantities of materials shall not be excessive and shall be used within a reasonable time as determined by the Engineer. viii. The advance shall be repaid from each succeeding monthly payment to the extent materials have been incorporated into the Works.
31	Interest to be charged	51.6	An interest of 10% shall be charged on the advance payments.
32	The Securities shall be for the following minimum amounts	52	<ul style="list-style-type: none"> i. Performance Security for 5 per cent of the contract price, i.e. Rs ii. Additional security for unbalanced bids, i.e. Rs..... iii. The standard form of Performance Security acceptable to the Employer shall be an unconditional Bank Guarantee in the format as

Sl. No.	Item	Sub-Clause	Data
			presented in Section 8.
33	If “As Built” drawings & O&M Manual required	58.1	Yes/ No
	The date by which “as-built” drawings & O&M Manual are required	58.1	28 days prior to issue of certificate of completion of whole or section of the Work as the case may be for each work within the package.
	Format for delivery of “As Built” drawings & O&M Manual	58.1	In 2 sets of print and in compact disc (CD)
34	The amount to be withheld for failing to supply “as built” drawings and/or operating and maintenance manuals by the date required	58.2	Rs. ----- lakh.
35	The following events shall also be fundamental breach of contract:	59.2	<ol style="list-style-type: none"> 1. The Contractor has contravened Sub-clause 7 of GCC read with SCC and Clause 9.0 of GCC. 2. The contractor does not adhere to the agreed construction program and agreed environmental management plan (Clause 27 of GCC) and also fails to take satisfactory remedial action as per agreements reached in the management meetings (Clause 31) for a period of 60 days. 3. The contractor fails to carry out the instructions of Engineer within a reasonable time determined by the Engineer in accordance with GCC Clause 16.1 and 23.1.
36	The percentage to apply to the value of the work not completed representing the Employer's additional cost for completing the Works	60	Shall be 20 percent.

Price Adjustment, Clause 47

The formula(e) for adjustment of prices are:

R = Total value of work done during the quarter. It would include the amount of secured advance granted, if any, during the month, less the amount of secured advance recovered, if any during the month. It will exclude value for works executed under variations for which price adjustment will be worked separately based on the terms mutually agreed.

Adjustment for labour component

- (i) Price adjustment for increase or decrease in the cost due to labour shall be paid in accordance with the following formula:

$$V_L = 0.85 \times PI/100 \times R \times (Li - Lo)/Lo, \text{ where}$$

V_L = increase or decrease in the cost of work during the quarter under consideration due to changes in rates for local labour.

Lo = the average consumer price index for industrial workers for centre for the quarter preceding the date of opening of Bids as published by Labour and Employment Department, Government of Odisha..

Li = The average consumer price index for industrial workers for centre for the quarter under consideration as published by Labour and Employment Department, Government of Odisha..

PI = Percentage of labour component of the work.

Adjustment for cement component

- (ii) Price adjustment for increase or decrease in the cost of cement procured by the contractor shall be paid in accordance with the following formula.

$$V_c = 0.85 \times P_c/100 \times R \times (C_i - C_o)/C_o, \text{ where}$$

V_c = Increase or decrease in the cost of work during the quarter under consideration due to changes in the rates for cement

C_o = The all India average wholesale price index for Grey cement for the quarter preceding the date of opening of Bids as published by the Office of Economic Advisor, Ministry of Finance, Government of India, New Delhi

C_i = The all India average wholesale price index for Grey cement for the quarter under consideration as published by Office of Economic Advisor, Ministry of Finance, Government of India, New Delhi

P_c = Percentage of cement component of the work

Adjustment of Bitumen component

- (iii) Price adjustment for increase or decrease in the cost of bitumen shall be paid in accordance with the following formula:

$$V_b = 0.85 \times P_b/100 \times R \times (B_i - B_o)/B_o, \text{ where}$$

V_b = Increase or decrease in the cost of work during the quarter under consideration due to changes in the rate for bitumen.

B_o = The average official retail price of bitumen at the IOC/HPCL depot at on the day 30 days prior to date of opening of Bids.

B_i = The average official retail price of bitumen at IOC/HPCL depot at for the 15th day of the middle calendar quarter of the quarter under consideration.

P_b = Percentage of bitumen component of the work.

Adjustment for steel component

- (iv) Price adjustment for increase or decrease in the cost of steel procured by the Contractor shall be paid in accordance with the following formula:

$$V_s = 0.85 \times P_s/100 \times R \times (S_i - S_o)/S_o, \text{ where}$$

V_s = Increase or decrease in the cost of work during the quarter under consideration due to changes in the rates for steel

So = The all India average wholesale price index for reinforcement steel (Bars and Rods) and steel structures for fabrication works for the quarter preceding the date of opening of Bids as published by the Office of Economic Advisor, Ministry of Finance, Government of India, New Delhi

Si = The all India average wholesale price index for reinforcement steel (Bars and Rods) and steel structures for fabrication works for the quarter under consideration as published by Office of Economic Advisor, Ministry of Finance, Government of India, New Delhi

Ps = Percentage of steel component of the work

Note: For the application of this clause, index of Bars and Rods has been chosen to represent steel group.

Adjustment of fuel and lubricant component

(v) Price adjustment for increase or decrease in cost fuel and lubricant shall be paid in accordance with the following formula:

$V_f = 0.85 \times P_f / 100 \times R \times (F_i - F_o) / F_o$, where

Vf = Increase or decrease in the cost of work during the quarter under consideration due to changes in rates for fuel and lubricants.

Fo = The average official retail price of High Speed Diesel (HSD) at the existing consumer pumps of IOC/HPCL/BPCL at on the day thirty days prior to the date of opening of Bids.

Fi = The average official retail price of HSD at the existing consumer pumps of IOC/HPCL/BPCL at for the 15th day of the middle calendar month of the quarter under consideration.

Pf = Percentage of fuel and lubricants component of the work.

Note: For the application of this clause, the price of High Speed Diesel oil has been chosen to represent fuel and lubricants group.

Adjustment for Construction Machinery component

(vi) Price adjustment for increase or decrease in the cost of plant and machinery spares procured by the Contractor shall be paid in accordance with the following formula:

$V_p = 0.85 \times P_p / 100 \times R \times (P_i - P_o) / P_o$, where

Vp = Increase or decrease in the cost of work during the quarter under consideration due to changes in the rates for plant and machinery spares

Po = The all India average wholesale price index for heavy machinery and parts for the quarter preceding the date of opening of Bids as published by the Office of Economic Advisor, Ministry of Finance, Government of India, New Delhi

Pi = The all India average wholesale price index for heavy machinery and parts for the quarter under consideration as published by the Office of Economic Advisor, Ministry of Finance, Government of India, New Delhi

Pp = Percentage of Construction Machinery component of the work

Adjustment of Other materials

(vii) Price adjustment for increase or decrease in cost of local materials other than cement, steel, bitumen and POL procured by the contractor shall be paid in accordance with the following formula:

$V_m = 0.85 \times P_m/100 \times R \times (M_i - M_o)/M_o$, where

V_m = Increase or decrease in the cost of work during the quarter under consideration due to changes in rates for local materials other than cement, steel, bitumen and POL.

M_o = The all India average wholesale price index (all commodities) for the quarter preceding the date of opening of Bids, as published by the Office of Economic Advisor, Ministry of Finance, Government of India, New Delhi

M_i = The all India average wholesale price index (all commodities) for the quarter under consideration as published by the Office of Economic Advisor, Ministry of Finance, Government of India, New Delhi

P_m = Percentage of local material component (other than cement, steel, bitumen and POL) of the work.

The following percentages will govern the price adjustment for the entire contract: (to be decided based on the project components and type)

Sl. No.	Component	Percentage*
1	Labour - Pl	
2	Cement - Pc	
3	Bitumen	
4	Steel - Ps	
5	Fuel and Lubricants - Pf	
6	Construction Machinery Component - PP	
7	Other materials - Pm	
	Total	100

**[The Employer shall fill up the percentages as per the requirement in the Works]*

SECTION – 5
TECHNICAL SPECIFICATIONS

SECTION – 6
DRAWINGS

To be included as per Detailed Design Report

SECTION – 7
BILL OF QUANTITIES

BILL OF QUANTITIES

Preamble

1. The Bill of Quantities shall be read in conjunction with the Instructions to Bidders, Conditions of Contract, Technical Specification and Drawings.
2. The Quantities given in the Bill of Quantities are estimated and provisional, and are given to provide a common basis for bidding. The basis of payment will be the actual quantities of work ordered and carried out, as measured by the Contractor and verified by the Engineer and valued at the rates and prices tendered in the priced Bill of Quantities, where applicable, and otherwise at such rates and prices as the Engineer may fix within the terms of the Contract.
3. The rates and prices tendered in the priced Bill of Quantities shall, except in so far as it is otherwise provided under the Contract, include all constructional plant, labour, supervision, materials, erection, "maintenance, insurance, profit, taxes and duties, together with all general risks, liabilities and obligations set out or implied in the Contract.
4. The rates and prices shall be quoted entirely in Indian Currency.
5. A rate of price shall be entered against each item in the Bill of Quantities, whether quantities are stated or not. The cost of Items against which the Contractor has failed to enter a rate or price shall be deemed to be covered by other rates and prices entered in the Bill of Quantities.
6. The whole cost of complying with provisions of the Contract shall be included in the items provided in the priced Bill of Quantities, and where no Items are provided the cost shall be deemed to be distributed among the rates and prices entered for the related Items of Work.
7. General directions and descriptions of work and materials are not necessarily repeated or summarized in the Bill of Quantities. References to the relevant sections of the contract documentation shall be made before entering rates of prices against each item in the Bill of Quantities.
8. Provisional Sums included and so designated in the Bill of Quantities shall be expended in whole or in part at the direction and discretion of the Engineer.
9. Measurement shall be made of the net actual quantity of each item of the Bill of Quantities (BoQ). The method of measurement of completed work for payment shall be in accordance with Technical Specifications of the works¹⁸.

¹⁸ For example, for road works the technical specifications of the road works shall be as published by the Ministry of Road Transport & Highways. (Edition)

10. Any arithmetic errors in computation or summation will be corrected by the Employer as follows:
 - a. Where there is a discrepancy between amounts in figures and in words, the amount in words will govern: and
 - b. Where there is a discrepancy between the unit rate and the total amount derived from the multiplication of the unit price and the quantity, the unit rate as quoted will govern, unless in the opinion of the Employer, there is an obviously gross misplacement of the decimal point in the unit price, in which even the total amount as quoted will govern and the unit rate will be corrected.

11. Rock is defined as all materials which, in the opinion of the Engineer, require blasting, or the use of metal wedges and sledgehammers, or the use of compressed air drilling for its removal, and which cannot be extracted by ripping with a tractor of at least 150 kw with a single rear mounted heavy duty ripper.

1

BILL OF QUANTITIES

Sl. No.	Descriptions of Items (with brief specification and reference to book of specification)	Quantity	Unit	Rate		Amount
				In Figures	In Words	

Note:

1. Item for which no rate or price has been entered in will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the bill of quantities.
2. Unit rates and prices shall be quoted by the bidder in Indian rupee.

SECTION – 8
SECURITIES AND OTHER FORMS

- Performance Bank Guarantee
- Bank Guarantee for Advance Payment
- Letter of Acceptance
- Agreement form
- Notice to Proceed with the Work

PERFORMANCE BANK GUARANTEE

To

_____ [name of Employer]

_____ [address of Employer]

WHEREAS _____ [name and address of Contractor] (hereafter called "the Contractor") has undertaken, in pursuance of Contract No. _____ dated _____ to execute _____ [name of Contract and brief description of Works] (hereinafter called "the Contract").

AND WHEREAS it has been stipulated by you in the said Contract that the Contractor shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with his obligation in accordance with the Contract;

AND WHEREAS we have agreed to give the Contractor such a Bank Guarantee:

NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you on behalf of the Contractor, up to a total of _____ [amount of guarantee]* _____ (in words), such sum being payable in the types and proportions of currencies in which the Contract Price is payable, and we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of _____ [amount of guarantee] as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the contractor before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the Contract or of the Works to be performed there under or of any of the Contract documents which may be made between you and the Contractor shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid until 28 days from the date of expiry of the Defect Liability Period.

Signature and Seal of the guarantor _____

Name of Bank _____

Address _____

Date _____

* An amount shall be inserted by the Guarantor, representing the percentage the Contract Price specified in the Contract including additional security for unbalanced Bids, if any and denominated in Indian Rupees.

BANK GUARANTEE FOR ADVANCE PAYMENT

To

_____ [name of Employer]
_____ [address of Employer]
_____ [name of Contractor]

Gentlemen:

In accordance with the provisions of the Conditions of Contract, sub-clause 51.1 ("Advance Payment") of the above-mentioned Contract, _____ [name and address of Contractor] (hereinafter called "the Contractor") shall deposit with _____ [name of Employer] a bank guarantee to guarantee his proper _____ and faithful performance under the said Clause of the Contract in an amount of _____ [amount of Guarantee] * _____ [in words].

We, the _____ [bank of financial institution], as instructed by the Contractor, agree unconditionally and irrevocably to guarantee as primary obligator and not as Surety merely, the payment to _____ [name of Employer] on his first demand without whatsoever right of obligation on our part and without his first claim to the Contractor, in the amount not exceeding _____ [amount of guarantee]* _____ [in words].

We further agree that no change or addition to or other modification of the terms of the Contractor or Works to be performed there under or of any of the Contract documents which may be made between _____ [name of Employer] and the Contractor, shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

This guarantee shall remain valid and in full effect from the date of the advance payment under the Contract until _____ [name of Employer] receives full repayment of the same amount from the Contractor.

Yours truly,

Signature and Seal of the guarantor _____

Name of Bank _____

Address _____

Date _____

* An amount shall be inserted by the Bank or Financial Institution representing the amount of the Advance Payment, and denominated in Indian Rupees.

(Letterhead paper of the Employer)

Letter of Acceptance

_____ [date]

To: _____ [name and address of the Contractor]

Dear Sir(s)

This is to notify you that your Bid dated _____ for execution of the _____ [Name of the contract and identification number, as given in the Instructions to Bidders] for the Contract Price of Rupees _____ (_____) [amount in words and figures], as corrected and modified in accordance with the Instructions to Bidders¹ is hereby accepted by our Agency.

We note that as per bid, you do not intend to subcontract any component of work

(Or)

We note that as per bid, you propose to employ _____ as subcontractor for executing _____

(Delete whichever is not applicable)

You are hereby requested to furnish Performance Security and Additional Performance Security (if any) in the form detailed in Para 34.1 of ITB for an amount of Rs..... within **21** days of the receipt of this letter of acceptance and sign the contract failing which action as stated in Para 34.3 of ITB will be taken.

We have reviewed the construction methodology submitted by you along with the bid in response to ITB Clause 4.3[k] and our comments are given in the attachment. You are requested to submit a revised program including environmental management plan as per Clause 27 of Conditions of Contract within 14 days of receipt of this letter.

Yours faithfully,

Authorized Signature

Name and Title of Signatory

Name of Agency

¹ Delete "corrected and" or "and modified" if only one of these actions applies. Delete "as corrected and modified in accordance with the Instructions to Bidders" if corrections or modifications have not been effected.

² To be used only if the Contractor disagrees in his Bid with the Adjudicator proposed by the Employer in the "Instructions to Bidders."

Agreement Form

Agreement

This agreement, made the _____ day of _____ 2002, between _____ [name and address of Employer](hereinafter called “the Employer”) of the one part and _____ [name and address of contractor] (hereinafter called “the Contractor”) of the other part.

Whereas the Employer is desirous that the Contractor “[insert name of the work], [name and identification number of Contract] (hereinafter called “the Works”) and the Employer has accepted the Bid by the Contractor for the execution and completion of such Works and the remedying of any defects therein, at a contract price of Rs.....

NOW THIS AGREEMENT WITNESSETH as follows:

1. In this Agreement, words and expression shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to, and they shall be deemed to form and be read and construed as part of this Agreement.
2. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy any defects therein in conformity in all aspects with the provisions of the Contract.
3. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying the defects wherein the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.
4. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz.:
 - i. Letter of Acceptance
 - ii. Notice to proceed with the works
 - iii. Contractor’s Bid
 - iv. Contract Data
 - v. Conditions of Contract (including Special Conditions of Contract)
 - vi. Specifications
 - vii. Drawings
 - viii. Bill of Quantities (Optional)
 - ix. Payment Schedule and
 - x. Any other document listed in the Contract Data as forming part of the contract.

In witness whereof the parties thereto have caused this Agreement to be executed the day and year first before written.

The Common Seal of _____

was hereunto affixed in the presence of: Signed, Sealed and Delivered by the said

in the presence of:

Binding Signature of Employer _____

Binding Signature of Contractor _____

Notice to proceed with the work

[Letterhead of the Employer]

_____ [date]

To

[name and address of the Contractor]

Dear Sirs:

Pursuant to your furnishing the performance security *[and additional performance security]* as stipulated in ITB clause 34 and signing of the contract agreement on [date] for the work “*[insert name of the work]*” at the Contract Price of Rs. [_____], you are hereby instructed to proceed with the execution of the said works in accordance with the contract documents.

Yours faithfully,

*[Signature, name and title of
signatory authorized to sign on
behalf of Employer]*