



ICAR-NATIONAL DAIRY RESEARCH INSTITUTE
(Indian Council of Agricultural Research)
KARNAL – 132001 (HARYANA)



File No.F.24-08/ Repair and Renovation of model dairy center Pusar /ME/2024-25

Dated:-10.07.2025

LIMITED TENDER NOTICE INVITING
(NATIONAL COMPETITIVE BIDDING)

Bids are invited on single stage two bid systems for “Repair and Renovation of model Dairy center building of ICAR-NDRI at Village Pusar U.P Distt. Baghpat”.

Tender document may be downloaded from NDRI web site www.ndri.res.in (for reference only) as per schedule as given in CRITICAL DATE SHEET as under:-

Name of Work	Estimated Amount	Period of Completion	EMD/ Bid Security
Repair and Renovation of model Dairy center building of ICAR-NDRI at Village Pusar U.P, Disst. Baghpat	Rs. 9,71,681.00	45 days	Rs.29500.00

Note:- Submit your Technical Bid & Financial Bid in separate sealed envelopes

कृपया टेक्निकल बिड और फाइनेंसियल बिड अलग - अलग लिफाफों सील करके दें।

CRITICAL DATE SHEET

Published Date	10.07.2025
Bid Document Download / Sale Start Date	10.07.2025
Bid Submission Start Date	10.07.2025
Bid Submission End Date	22.07.2025 upto 11:00 am
Pre-Bid Meeting	17.07.2025 at M.E Section 11:00 am
Bid Opening Date	22.07.2025 2:30 pm
Place of opening of Technical bid	M.E. Section, 2:30 pm
Address for communication	M.E. Section, ICAR-NDRI Karnal

Note: The Bid Security amount of Rs.29500-00 is to be deposited in the shape of Demand Draft in the name of ICAR Unit NDRI Karnal with AAO, M.E. Section before Bid Opening Date

Item-Rate Tenders/ Bids are invited on behalf of the **Director, ICAR- NDRI, Karnal** from approved/ enlisted and eligible bidders of C.P.W.D. or those of appropriate list of Department of Telecommunications, M.E.S., Railways and state P.W.D., H.U.D.A. or any other authorized Govt. agency for the following repair work:

“Repair and Renovation of model Dairy center building of ICAR-NDRI at Pusar U.P”

A self attested photocopy of Certificate of Enlistment of Contractors/License issued by CPWD/ Labour Commissioner or any other authorized Govt. agency is essentially required from the Contractors.

Note: The Bidders are required to submit quotation in following two parts in two separate sealed envelopes further sealed in single envelope addressed to Maintenance Engineer, M.E. Section, ICAR-NDRI, Karnal and bearing Bid for “Repair and Renovation of model Dairy center building of ICAR-NDRI at Pusar U.P”.

• **A. TECHNICAL BID comprising of following documents:**

1. **Demand Draft of Rs.29500-00 in the name of ICAR Unit NDRI Karnal as EMD/Bid Security Amount**
2. Self attested photocopy of Certificate of Enlistment of Contractors/License issued by CPWD/ Labour Commissioner or any other authorized Govt. agency.
3. Self attested copy of Firm's registration under Companies Act/or any other Act/ GST certificate (GST No.)
4. Self attested copy of PAN No.
5. **Self attested copy of work completion certificate of any one civil work of similar nature and of value not less than 80 % value of the current work or two works of value not less than 60% value of the current work or three works of value not less than 40% value of the current work completed satisfactorily as a prime contractor in the last five years.**
6. Self attested copy of Income Tax Statement/ ITR for the last three financial years i.e. 2021-22, 2022-23 & 2023-24 & 2024-25.
7. Self attested copy of BID SECURITY DECLARATION (mandatory for all bidders). **Attached as Annexure -I**
8. Self attested copy of Bid/ Tender Acceptance Letter. **Attached as Annexure -II**
9. Self attested copy of the Certificate of Non-Blacklisting /Not Banned/Temporarily suspended by any Govt. Dept./ Organizations during last three years i.e. 2021-22, 2022-23 & 2023-24. **Attached as Annexure – III**
10. Self attested copy of the Certificate of Non-Blood relation at ICAR-NDRI, Karnal i.e.no near relative is posted as Accountant or as an officer in any capacity as Engineer **Attached as Annexure - IV**
11. Self attested copy of an undertaking stating that if the information/declaration/scanned documents furnished in respect of eligibility criteria are found to be wrong or misleading at any stage, the firm will be liable to punitive action. **Attached as Annexure –V**
12. The firm should be registered with Labour Department Haryana and attach a self attested copy of the same or should submit an undertaking of no requirement of labour registration certificate. **(Attached as Annexure -VI)**
13. **Annexure –VII Declaration – execution of electrical work**

(Documents no. 7 to 13 may be given on the firm's letter head duly signed and stamped)

• **B. Financial Bid**

Financial bid should be quoted as per BOQ. The firms should quote the rates in consolidated form in BOQ.

GENERAL CONDITIONS

1. **Repair and renovation of model Dairy center building of ICAR-NDRI at Pusar U.P.** The works are estimated to cost of Rs. 9,71,681.00 (Rupees Nine lakh seventy one thousand six hundred eighty

one only) This estimate, however, is given merely as a rough guide.

2. Agreement (Contract) shall be drawn with the successful bidder on prescribed Form available in the bidding document. Bidder shall quote his rates as per various terms and conditions of the said form.
3. The time allowed for carrying out the work will be 45 days from the date of issuance of order of commencement of work or from the first day of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the tender documents.
4. The site for the work is available.
5. **Tender document may be downloaded from NDRI web site www.ndri.res.in**
6. Bidding documents consisting of plans, specifications, the schedule of quantities of the various classes of work to be done and the set of terms & conditions of contract to be complied with by the contractor whose tender may be accepted and other necessary documents can be seen in the office of the **Maintenance Engineer, ICAR-NDRI, Karnal** between hours of 9.00 AM to 5.30 PM from Monday to Friday every day except on Saturdays, Sundays and Gazetted Holidays.
7. Only successful bidder shall be required to deposit an amount equal to 5% of the tendered value of the work as Performance Guarantee in the form of an irrevocable Bank Guarantee Bond of any scheduled Bank or State Bank of India in accordance with the form prescribed or in the form of Govt. security, Fixed Deposit Receipt or Demand Draft in the name of ICAR-Unit, NDRI, Karnal etc., within prescribed number of days of the issue of letter of acceptance.
8. Copies of other drawings and documents pertaining to the works will be open for inspection by the bidders at the office of the above mentioned officer. Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bids as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid. A bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charges/ Extra items consequent on any misunderstanding or otherwise shall be allowed. The bidder shall be responsible for arranging and maintaining at his own cost all materials, tools, scaffolding, base platform & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the bid documents.

Submission of a bid by a bidder implies that he has read this notice and all other bid documents and has made himself aware of the scope and specifications of the work to be done and local conditions and other factors having a bearing on the execution of the work.
9. The competent authority on behalf of the President of ICAR does not bind himself to accept the lowest or any other tender and reserves to himself the authority to reject any or all of the tenders received without assigning any reason. All bids in which any of the prescribed condition is not fulfilled or any condition is put forth by the bidder shall be summarily rejected.
10. Canvassing whether directly or indirectly, in connection with tenders / bidders is strictly prohibited and the bids submitted by the bidders who resort to canvassing will be liable to rejection.
11. The Director, ICAR- NDRI, Karnal reserves himself the right of accepting the whole or any part of the bid and the bidder shall be bound to perform the same at the rate quoted.
12. The Bid for the works shall remain open for acceptance for a period of 60 Days from the date of opening of bids. If any bidder withdraws his bid before the said period or issue of letter of acceptance, which-ever is earlier, or makes any modifications in the terms and conditions of the bid which are not acceptable to the department, then the Institute shall, without prejudice to any other right or remedy, be at liberty to forfeit the said **Earnest Money if any or take suitable action if applicable.**
13. This Invitation for Bid shall form a part of the bid document. The successful bidder on acceptance of his bid by the Accepting Authority, shall, sign the Contract consisting of:-
The Invitation for Bid, all the Bid Documents including additional conditions, Specifications and Drawings forming the Bid as issued at the time of Invitation of Bid and Acceptance thereof together with any Correspondence leading thereto.

14. Any person who submits a tender shall fill up the usual printed form, stating at what rate he is willing to undertake each item of the work. Tenders, which propose any alteration in the work specified in the said form of invitation to tender, or in the time allowed for carrying out the work, or which contain any other conditions of any sort, including conditional rebates, will be summarily rejected. No single tender shall include more than one work, but contractors who wish to tender for two or more works shall submit separate tender for each. Tender shall have the name and number of the works to which they refer, written on the envelopes. The rate (s) must be quoted in decimal coinage, **Amounts must be quoted in full rupees by ignoring fifty paisa and considering more than fifty paisa as rupee one.**
15. **In the case of item Rate Tenders only item wise rates quoted shall be considered. Any tender containing percentage below/above the rates quoted is liable to be rejected.** Rates quoted by the contractor in item rate tender in figures and words shall be accurately filled in so that there is no discrepancy in the rates written in figures and words. However, if a discrepancy is found, the rates which correspond with the amount worked out by the contractor shall unless otherwise proved be taken as correct. If the amount of an item is not worked out by the contractor or it does not correspond with the rates written either in figures or in words, then the rates quoted by the contractor in words shall be taken as correct. Where the rates quoted by the contractor in figures and in words tally, but the amount is not worked out correctly, the rates quoted by the contractor will unless otherwise proved be taken as correct and not the amount. In event no rate has been quoted for any item(s), leaving space both in figure(s), word(s), and amount blank, it will be presumed that the contractor has included the cost of this/these item(s) in other items and rate for such item(s) will be considered as zero and work will be required to be executed accordingly.
16. All rates shall be quoted on the tender form. The amount for each item should be worked out and requisite totals given. Special care should be taken to write the rates in figures as well as in words and the amount in figures only, in such a way that interpolation is not possible. The total amount should be written both in figures and in words. In case of figures, the word ' should be written before the figure of rupees and word 'P' after the decimal figures, e.g. Rs. '2.15 P' and in case of words, , the word, 'Rupees' should be preceded and the word 'Paisa' should be written at the end. Unless the rates is in whole rupees and followed by the word 'only' it should invariably be up to two decimal places. While quoting the rate in schedule of quantities, the word 'only' should be written closely following the amount and it should not be written in the next line.
17. **GST@ 18% and all other applicable Taxes/ Cess and other charges will be considered included in the rates quoted. All tool and plants, scaffolding, safety equipment will be arranged by contractor at own risk and cost. Contractor is advised to visit at site and go through with site requirements before submitting bid.**

NOTE:-1. Limited tender/quotation with cutting/ Overwriting will not be accepted.
2. Unsigned Tender will not be entertained.


Asstt. Admn. Officer
FOR & ON BEHALF OF DIRECTOR,
ICAR-NDRI, KARNAL

Copy to: I/C Computer, NDRI, Karnal for placing on ICAR-NDRI Website pl.

PART I

GUIDELINES TO BIDDERS

1. Cost of Bidding Document:

The bidder shall bear all costs associated with the preparation of submission of its bids and the Employer will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

2. One Bid per Bidder:

Each bidder shall submit only one bid either by himself or as a partner in a joint venture. A bidder who submits or participates in more than one bid will be disqualified.

3. Site Visit:

The bidder is advised to visit and examine the site of work and its surroundings and obtain for itself on its own responsibility all information that may be necessary for preparing the bid and entering into a contract for conception of the work.

4. Clarification of Bidding Documents:

To assist in the examination, evaluation and comparison of bids, the Employer may at its discretion, ask any bidder for clarification of its bid, including breakdown of unit, rate. The request for clarification and the response shall be in writing, but no change in the price or substance of the bid shall be sought or offered or permitted except as required to confirm the correction of arithmetic errors discovered by the Employer in the evaluation of the bids.

5. Amendment of Bidding Document:

At any time prior to the deadline for submission of bids, the Employer may amend bidding documents by issuing agenda. Any addendum thus issued, shall be part of the bidding document and shall be communicated in writing to all bidders of the bidding document. To give perspective bidders, reasonable time in which to take an addendum into account in preparing their bids, the Employer shall extend as necessary the deadline for submission of bids.

The Employer may in exceptional circumstances and at its discretion, extend the deadline for submission of the bids by issuing an Addendum.

6. Language of the Bid

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

7. Bid Prices:

Unless stated otherwise in the bidding document, the contract shall be for the whole Work based on the unit rates and prices in the Bill of Quantities submitted by the bidder. The bidder shall fill in rates and prices for all items of the Work described in the Bill of Quantities.

All duties, taxes and other levies shall be payable by the contractor under the contract, or for any other cause.

8. Currency of Bid and Payment

The unit rates and prices shall be quoted by the bidder entirely in Indian rupees.

9. Bid Validity:

Bid shall remain valid for the period of 60 **days** after the date of bid opening. In exceptional circumstances prior of the original bid validity period, the Employer may request that the bidders extend the period of validity in a specified additional period. The request and the responses thereto shall be made in writing.

10. Examination of Bids and Determination of Responsiveness:

Information relating to 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 initially concerned with such process until the award to the successful bidder has been announced. Any effort by a bidder to influence the Employer processing of bids or award decisions may result in the rejection of the bidder's bid.

A substantially responsive bid is one that conforms to all the terms and conditions and specifications of the bidding document without material deviation or reservation. A material deviation or reservation is one which is inconsistent with the bidding documents, or which affects in any substantial way the scope, quality, or performance of the work and which limits in any substantial way the Employer's rights or the bidder's obligations under the contract, or whose Rectification would affect unfairly the competitive position of other bidders presenting substantially responsive bids. If a bid is not substantially responsive, it will be rejected by the Employer and may not subsequently be made responsive by correction or withdrawal and the non-conforming deviations or reservations.

11. Award criteria

The employer shall award the contract to the Bidder whose Bid has been determined to be responsive to the bidding documents and who has offered the lowest evaluated Bid Price.

12. Notification of Award and signing of agreement

The bidder whose bid has been accepted will be notified of the award by the employer prior to expiration of the Bid validity period. This letter of acceptance will state the sum that the employer will pay the contractor in consideration of the execution and completion of the works by the contractor. The agreement will incorporate all correspondence between the employer and the successful Bidder. Within 10 days of the receipt of letter of acceptance, the successful bidder shall deliver to the employer a performance security in the prescribed form for an amount equivalent to **5%** of the contract price.

13. Period of Maintenance :

The "Period of Maintenance" or Defects liability period for the civil-works is One Year from the date of taking over possession or one full monsoon season whichever occurs later. During the period of maintenance, the contractor will be responsible for rectifying any defects in construction free of cost to the Employer.

- 14 Purchase of all construction materials including cement and steel as per the specifications (ISI certification marked goods wherever available) shall be the responsibility of the contractor.

- 15 **Water & Power Supply:** Electrical service connection shall be provided by the institute for installation purpose through a sub meter after a formal request and depositing security by the contractor and the contractor will be bound to pay electricity charges at the rates applicable to all other contractors as per actual consumption. Water Supply: Water supply shall be made available by the ICAR-NDRI, water charges will be charged @1% of total cost.

- 16 **Terms & Conditions of payment:** Payment will be made on bill basis after satisfactory completion of the work and on certification of the invoice by Maintenance Engineer, ME Section. No running bill will be entertained.

17 Dispute Resolution Mechanism:

The method of dispute resolution is as indicated in the bidding document.

18 Corrupt and fraudulent practices

It is expected that Bidders/Suppliers/contractors under this contract observe the highest standard of ethics during the procurement and execution of this contract. In pursuance of this policy, the employer

(a) Defines for purpose of these provisions, the terms set forth below as follows:-

- (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 process at artificial non-competition levels and to deprive the employer of the benefits of free and open competition.

(b) Will reject a proposal for award of work if he determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices in competing for contract in question.

Part - II

Contractors Bid/Tender

(A) Tender for the work for the following Works:-

(1) Repair and Renovation of model Dairy center building of ICAR-NDRI at Pusar U.P.
(Detailed specifications is enclosed)

(i) To be opened in presence of tenders who may be present at **02:30 PM on 22.7.2025 in the office of ME, ICAR-NDRI, Karnal – 132 001(Haryana).**

Following Institute committee of ICAR-NDRI Karnal will be responsible for opening the quotations and selection of the firm/ contractor/ bidder on the basis of lowest financial bid among the qualified bidders after evaluation of technical bids.

1) Chief Administrative Officer	Chairman
2) FAO/ AFAO	Member
3) Maintenance Engineer	Member
4) Technical Officers (Civil/ Electrical), ME Section	Member
5) Indenting Officer	Member
6) AAO, M.E. Section	Member Secretary

CONTRACT FORM

This Contract is made the _____ day of _____ (Month), _____ (Year) between the **Hon'ble President of Indian Council of Agricultural Research** acting through the **Director, ICAR-National Dairy Research Institute** (Indian Council of Agricultural Research), **Karnal – 132 001** (Haryana) (name and address of Employer) (hereinafter called “the **Employer**”) and _____ (name and address of contractor) (hereinafter called “the **Contractor**” of the other party).

WHEREAS the Employer is desirous that the Contractor executes the Work of

1. _____
2. _____ (Ref. _____ No. _____) (name and identification number of contract) (hereinafter called “the **Works**”) at ICAR-NDRI, Karnal -132 001 (Haryana) 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, THEREFORE, IT IS HEREBY AGREED BETWEEN THE PARTIES AS FOLLOWS:

1. In this Contract, words and expressions shall assume 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 the 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 in 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. Any willful delay on the part of the contractor in completing the work within the stipulated period will render him liable to pay liquidated damages @ .05 % per day which will be deducted from payments due to him. **The maximum limit to the liquidated damages is 10% of the actual bill amount.** The first party may cancel the contract and take recourse to such other action as deemed appropriate once the total amount of liquidated damages exceeds 2 % of the contract amount
5. The following documents shall be deemed to form and be read and construed as part of this Contract, viz.:
 - i) Letter of Acceptance
 - ii) Notice to proceed with the works
 - iii) Contractor's Bid
 - iv) Bidding data
 - v) General conditions of contract (including special conditions of contract)
 - vi) Specifications

- vii) Bill of quantities
- viii) Any other documents listed in the contract data as forming part of the contract

IN WITNESS WHEREOF the Parties have caused this Contract to be executed the day and year first before written.

Binding signature of Employer Signed by

**Joint Director (Admn.) & R on
behalf of Director, ICAR- National
Dairy Research Institute, Karnal**

(for and on behalf of the President of ICAR, India)

In the presence of

Witness 1.

Maintenance Engineer.

In the presence of

Witness 2.

Asstt. Admn. Officer

Binding signature of Contractor Signed by _____

(for and on behalf of _____ duly authorized vide Resolution

No _____ dated _____ of the Board of Directors of _____)

In the presence of

(Witnesses)

1.

2.

PART-III (A)
GENERAL CONDITIONS & CLAUSES OF CONTRACT
in DETAIL

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1 DEFINITION AND INTERPRETATION:

In this Contract, unless the context requires otherwise, the following terms shall have the meaning ascribed to them here under:-

1.1 Definition

In the contract, the following expressions shall, unless the context otherwise requires, have the meanings, hereby respectively assigned to them:-

- i) **Works or work** means the works by or by virtue of the contract contracted to be executed whether temporary or permanent, and whether original, altered, substituted or additional.
- ii) **Site** means the land/or other places on, into or through which work is to be executed under the contract or any adjacent land, path or street through which work is to be executed under the contract or any adjacent land, path or street which may be allotted or used for the purpose of carrying out the contract.
- iii) The **Contractor** means the individual, firm or company, whether incorporated or not, undertaking the works and includes the legal representative of such individual, or the successors of such firm or company and the permitted assignees of such individual, firm or company.
- iv) The expression **President**, Government or Government of India means the President of Indian Council of Agricultural Research and his successors in office.
- v) The **Employer** means the Officer who is authorized and signs the contract on behalf of the President of Indian Council of Agricultural Research and shall be in-charge of the work.
- vi) The **Engineer** means the officer who shall supervise the work on behalf of the Employer.
- vii) **Accepting Authority** means the authority mentioned in Bidding Data.
- viii) **Accepted Risks** are risks due to riots (other than those on account of contractor's employees), war (whether declared or not) invasion, act of foreign enemies, hostilities, civil war, rebellion revolution, insurrection, military or usurped power, any acts of Government, damage from aircraft, acts of God such as earthquake, lightening and unprecedented floods, and other causes over which the contractor has no control and accepted as such by the Accepting Authority or causes solely due to use or occupation by Government of the part of the works in respect of which a certificate of completion has been issued or a cause solely due to Employer's faulty design of works.
- ix) **Market Rate** shall be the rate as decided by the Employer on the basis of the cost of materials and labour at the site where the work is to be executed plus the percentage mentioned in Bidding Data to cover all overheads and profits.
- (x) **Schedule(s)** referred to in these conditions shall mean the relevant schedule(s) annexed to the bid papers or the standard Schedule of Rates of the Government mentioned in Bidding Data hereunder, with the amendments thereto issued up to the date of receipt of the bid.
- (xi) **Bid Amount** means the value of the entire work as stipulated in the letter of award.

1.2 Interpretation:

- i) The **Contract** means and includes the documents forming the bids and acceptance thereof and the formal agreement executed between the competent authority on behalf of the President of India and the bidders, together with the documents referred to therein including these conditions, the specifications, designs, drawings and instructions issued from time to time by the Employer and all these documents taken together, shall be deemed to form one contract and shall be complementary to one another.
- ii) Where the context so requires, words imparting the singular only also include the plural and vice versa. Any reference to masculine gender shall whenever required include feminine gender and vice-versa.
- iii) Headings and Marginal notes to these General Conditions of Contract shall not be deemed to form part thereof or be taken into consideration in the interpretation or construction thereof or of the contract.

- iv) The original Contract shall remain with the Employer. The contractor shall be furnished, free of cost one certified copy of the contract documents together with all drawings as may be forming part of the bidding documents except standard specifications, Schedule of Rates and similar other printed and published documents. None of these documents shall be used for any purpose other than that of this contract.

1.3 Works to be carried out:

The work to be carried out under the Contract shall, except as otherwise provided in these conditions, include all labour, materials, tools, plants, equipment and transport which may be required in preparation of and for and in the full and entire execution and completion of the works. The descriptions given in the Schedule of Quantities shall, unless otherwise stated, be held to include wastage on materials, carriage and cartage, carrying and return of empties, hoisting, setting, fitting and fixing in position and all other labours necessary in and for the full and entire execution and completion of the work as aforesaid in accordance with good industry practice and recognized principles.

1.4 Sufficiency of Tender:

The Contractor shall be deemed to have satisfied himself before tendering as to the correctness and sufficiency of his tender information for the works and of the rates and prices quoted in the Schedule of Quantities, which rates and prices shall, except as otherwise provided, cover all his obligations under the Contract and all matters and things necessary for the proper completion and maintenance of the works

1.5 Discrepancies & adjustment of errors:

The several documents forming Contract are to be taken as mutually explanatory of one another, detailed drawings being followed in preference to small scale drawing and figured dimensions in preference to scale and special conditions in preference to General Conditions.

In the case of discrepancy between the schedule of Quantities, the Specifications and/or the Drawings, the following order of preference shall be observed:-

- i) Description of Schedule of Quantities.
- ii) Particular Specification and Special Condition, if any.
- iii) Drawings.
- iv) Technical Specifications.
- v) Indian Standard Specifications of B.I.S.

If there are varying or conflicting provisions made in any one document forming part of the contract, the Accepting Authority shall be the deciding authority with regard to the intention of the document and his decision shall be final and binding on the Contractor. Any error in description, quantity or rate in Schedule of Quantities or any omission there from shall not vitiate the Contract or release the Contractor from the execution of the whole or any part of the works comprised therein according to drawings and specifications or from any of his obligations under the contract.

1.6 Signing of Contract:

The successful bidder, on acceptance of his tender by the Accepting Authority, shall, within 10 days from the stipulated date of start of the work, sign and execute the Contract consisting of:-

- i) The invitation for bids, all the documents including drawings, if any, forming the tender as issued at the time of invitation of tender and acceptance thereof together with any correspondence leading thereto, and
- ii) Standard Form as mentioned in Bidding Data consisting of:

- a) Various standard clauses with corrections up to the date along with annexure there to.
- b) Safety Code.
- c) Model Rules for the protection of health, sanitary arrangements for workers employed; and
- d) Contractor's Labour Regulations.

2. GENERAL OBLIGATIONS:

2.1 Work not to be Sublet and Action in Case of Insolvency or Attempt to influence contract:

The contract shall not be assigned or sublet without the prior written approval of the Employer. If the contractor shall assign or sublet his contract, or attempt to do so, or become insolvent or commence any insolvency proceedings or make any composition with his creditors or attempt to do so, or if any bribe, gratuity, gift, loan, perquisite, reward or advantage pecuniary or otherwise, shall either directly or indirectly, before or after the execution of the contract be given, promised or offered by the contractor, or any of his servants or agent or associate to any public officer or person in the employ of Government in any way relating to his office or employment, or if any such officer or person shall become in any way directly or indirectly interested in the contract, the Employer shall have power to adopt the course specified in Clause 8.3 hereof in the interest of Government and in the event of such course being adopted, the consequences specified in the said Clause shall ensue.

2.2 Changes in Contractor's organization to be approved:

Where the contractor is a partnership firm, the previous approval in writing of the Employer shall be obtained before any change is made in the constitution of the firm. Where the Contractor is an individual or a Hindu undivided family business concern such approval as aforesaid shall likewise be obtained before the Contractor enters into any partnership agreement where-under the partnership firm would have the right to carry out the works undertaken by the Contractor. If previous approval as aforesaid is not obtained, the contract shall be deemed to have been assigned in contravention of Clause

2.1 here of and the same action may be taken, and the same consequences shall ensue as provided in the said Clause.

2.3 Contractor To Indemnify Govt. Against Patent Rights:

The Contractor shall fully indemnify and keep indemnified the Employer against any action, claim or proceeding relating to infringement or use of any patent or design or any alleged patent or design rights

or Intellectual Property Rights and shall pay any royalties which may be payable in respect of any article or part thereof included in the contract. In the event of any claims made under or action brought against the Employer, in respect of any such matters as aforesaid, the contractor shall be notified thereof and the contractor shall be at liberty, at his own expense, to settle any dispute or to conduct any litigation that may arise there from, provided that the contractor shall not be liable to indemnify the Employer if the infringement of the patent or design or any alleged patent or design right is the direct result of an order passed by the Employer in this behalf.

2.4 Withholding and Lien in Respect of Sums due from Contractor:

- (i) Whenever any claim or claims for payment of a sum of money arises out of or under the contract or against the contractor, the Employer or the Government shall be entitled to withhold and also have a lien to retain such sum or sums in whole or in part from the security, if any deposited by the contractor and for the purpose aforesaid, the Employer or the Government shall be entitled to withhold the security deposit, if any, furnished as the case may be and also have a lien over the same pending finalization or adjudication of any such claim. In the event of the security being insufficient to cover the claimed amount or amounts or if no security has been taken from the contractor, the Employer or the Government

shall be entitled to withhold and have a lien to retain to the extent of such claimed amount or amounts referred to above, from any sum or sums found payable or which may at any time thereafter become payable to the contractor under the same contract or any other contract with the Employer or the Government or any contracting person through the Employer pending finalization of adjudication of any such claim.

It is an agreed term of the contract that the sum of money or moneys so withheld or retained under the lien referred to above by the Employer or Government will be kept withheld or retained as such by the Employer or Government till the claim arising out of or under the contract is determined by the arbitrator (if the contract is governed by the arbitration clause) or by the competent court, as the case may be and that the contractor will have no claim for interest or damages whatsoever on any account in respect of such withholding or retention under the lien referred to above and duly notified as such to the contractor. For the purpose of this clause, where the contractor is a partnership firm or a limited company, the Employer or the Government shall be entitled to withhold and also have a lien to retain towards such claimed amount or amounts in whole or in part from any sum found payable to any partner/limited company as the case may be, whether in his individual capacity or otherwise.

ii) Government shall have the right to cause an audit and technical examination of the works and the final bills of the contractor including all supporting vouchers, abstract, etc., to be made after payment of the final bill and if as a result of such audit and technical examination any sum is found to have been overpaid in respect of any work done by the contractor under the contract or any work claimed to have been done by him under the contract and found not to have been executed, the contractor shall be liable to refund the amount of over-payment and it shall be lawful for Government to recover the same from him in the manner prescribed in sub-clause (i) of this clause or in any other manner legally permissible; and if it is found that the contractor was paid less than what was due to him under the contract in respect of any work executed by him under it, the amount of such under payment shall be duly paid by Government to the contractor, without any interest there on whatsoever.

Provided that the Government shall not be entitled to recover any sum overpaid, nor the contractor shall be entitled to payment of any sum paid short where such payment has been agreed upon between Engineer on the one hand and the contractor on the other under any term of the contract permitting payment for work after assessment by the Employer.

Any sum of money due and payable to the contractor (including the security deposit returnable to him) under the contract may be withheld or retained by way of lien by the Employer or the Government or any other contracting person or persons through Employer against any claim of the Employer or Government or such other person or persons in respect of payment of a sum of money arising out of or under any other contract made by the contractor with the Employer or the Government or with such other person or persons.

It is an agreed term of the contract that the sum of money so withheld or retained under this clause by the Employer or the Government will be kept withheld or retained as such by the Employer or the Government or till his claim arising out of the same contract or any other contract is either mutually settled or determined by the arbitration clause or by the competent court, as the case may be and that the contractor shall have no claim for interest or damages whatsoever on this account or on any other ground in respect of any sum of money withheld or retained under this clause and duly notified as such to the contractor.

2.5 Levy/Taxes Payable by the Contractor:

- i) Sales Tax or any other tax on materials in respect of this contract shall be payable by the Contractor and the Employer shall not entertain any claim whatsoever in this respect.

- ii) The Contractor shall deposit royalty and obtain necessary permit for supply of the red bajri, stone, kankar, etc. and other materials from local authorities.
- iii) If pursuant to or under any law, notification or order any royalty, cess or the like becomes payable by the Employer and does not any time become payable by the contractor to the State Government or Local authorities in respect of any material used by the contractor in the works then in such a case, it shall be lawful to the Employer and it will have the right and be entitled to recover the amount paid in the circumstances as aforesaid from the dues of the contractor.

2.6 Conditions for Reimbursement of Levy/Taxes, if Levied after Receipt of Tenders:

All tendered rates shall be **inclusive of all taxes and levies** payable under respective statutes. However, pursuant to the Constitution (46th Amendment) Act, 1982, if any further tax or levy is imposed by Statute, after the last stipulated date for the receipt of tender including extensions, if any and the contractor thereupon necessarily and properly pays such taxes/levies, the contractor shall be reimbursed the amount so paid, provided such payment, if any, is not, in the opinion of the Employer (whose decision shall be final and binding on the contractor) attributable to delay in execution of work within the control of the contractor.

The contractor shall keep books of accounts and other documents for the purpose of this condition as may be necessary to clearly arrive at such amounts and shall allow inspection of the same by a duly authorized representative of the Employer and further shall furnish such other information/document as the Employer may require from time to time.

2.7 If the Relation Working in the Department:

The Contractor shall **not be permitted** to tender for works with the Employer office in which **his near relative** is posted as **Accountant** or as an **officer** in any capacity as **Engineer**. He **shall also intimate** the **names of persons** who are **near relatives to any Gazetted Officer** in the Institute or in the Council who are working with him in any capacity or are subsequently employed by him. Any breach of this condition by the Contractor shall render him liable to be removed from the approved list of contractors of the Institute. If, however, the contractor is registered in any other ICAR Institute, he shall be debarred from tendering for any breach of this condition.

NOTE: By the term “**near relatives**” is meant **wife, husband, parents and grandparents, children and grand children, brothers and sisters, uncles, aunts and cousins and their corresponding in-laws**.

2.8 Prohibition to Work as Contractor

No engineer of gazetted rank or other gazetted officer employed in engineering or administrative duties in an engineering department of the Government of India shall work as a Contractor or employee of a Contractor for a period of two years after his retirement from government service without the previous permission of Government of India in writing. This contract is liable to be cancelled if either the Contractor or any of his employees is found at any time to be such a person who had not obtained the permission of Government of India as aforesaid, before submission of the tender or engagement in the contractor's service, as the case may be.

2.9 Provisions of the Apprentices Act to be complied with:

The Contractor shall comply with the provisions of the Apprentices Act, 1961 and the rules and orders issued there under from time to time. If he fails to do so, his failure will be a breach of the contract and the Engineer may, in his discretion, cancel the contract. The Contractor shall also be liable for any pecuniary liability arising on account of any violation by him of the provisions of the said Act.

3. SECURITY FOR PERFORMANCE:

3.1 Performance Guarantee:

- i) The Contractor shall submit an irrevocable **Performance Guarantee of 5%** (Five percent) of the contract price in addition to other deposits mentioned elsewhere in the contract for his proper performance and due fulfillment of the terms and conditions of the Contract, (not withstanding and/or without prejudice to any other provisions in the contract) within period specified in Bid Data from the date of issue of letter of acceptance. This period can be further extended by the Employer up to a maximum period as specified in bidding data on written request of the contractor stating the reason for delays in procuring the Bank Guarantee, to the satisfaction of the Employer. This guarantee shall be in the form Banker's Cheque/**Demand Draft**/Pay Order of any scheduled bank **or** Government Securities or Fixed Deposit Receipts or Guarantee Bonds of any Scheduled Bank in accordance with the form annexed hereto. In case a fixed deposit receipt is furnished by the contractor to the Government as part of the performance guarantee and the Bank is unable to make payment against the said fixed deposit receipt when demanded, the loss caused thereby shall fall on the contractor and on demand the contractor shall forthwith furnish additional acceptable security to the Government to make good the deficit.

- ii) The Performance Guarantee shall be initially valid up to the stipulated date of completion plus the maintenance period thereafter. In case the time for completion of work gets enlarged, the Contractor shall get the validity of Performance Guarantee extended to cover such enlarged time for completion of work.

After recording of the completion certificate for the work by the competent authority and ending of the maintenance period, the performance guarantee shall be returned to the Contractor, without any interest.

- iii) The Employer shall not make a claim under the performance guarantee except for amounts to which the Employer is entitled under the contract (not withstanding and/or without prejudice to any other provisions in the Contract) in the event of:
- a) Failure by the Contractor to extend the validity of the Performance Guarantee as described herein above, in which event the Employer may claim the full amount of the Performance Guarantee.
- b) Failure by the Contractor to pay the Employer any amount due, either as agreed by the contractor or determined under any of the Clauses/Conditions of the Contract, within 30 days of the service of notice to this effect by Employer.
- iv) In the event of the Contract being determined or rescinded under provision of any of the Clause/Condition of the Contract, the performance guarantee shall stand forfeited in full and shall be absolutely at the disposal of the Employer.

All compensations or the other sums of money payable by the Contractor under the terms of this contract may be deducted from, or paid by the sale of a sufficient part of his security deposit or from the interest arising there from, or from any sums which may be due to or may become due to the Contractor by the Employer on any account whatsoever and in the event of his Security Deposit being reduced by reason of any such deductions or sale as aforesaid, the Contractor shall within 10 days make good in cash or fixed deposit receipt tendered by the State Bank of India or by Scheduled Banks or Government Securities (if deposited for more than 12 months) endorsed in favour of the Employer, any sum or sums which may have been deducted from, or raised by sale of his security deposit or any part thereof. The security deposit shall be collected from the running bills of the Contractor at the rates mentioned above and the Earnest money if deposited in cash at

the time of tenders will be treated a part of the Security Deposit.

Note-1: Government papers tendered as security will be taken at 5% (five per cent) below its market price or at its face value, whichever is less. The market price of Government paper would be ascertained by the Employer at the time of collection of interest and the amount of interest to the extent of deficiency in value of the Government paper will be withheld if necessary.

Note-2: Government Securities will include all forms of Securities mentioned in rule No. 275 of the G.F. Rules except fidelity bond. This will be subject to the observance of the condition mentioned under the rule against each form of security.

v) The performance Guarantee shall be continuous and revolving for the whole of the warranty period. In case, the Bank Guarantee is invoked during the warranty period, the Bank Guarantee shall be replenished by an equal amount within 15 days by the contractor.

3.2 Recovery of Security Deposit:

In the alternative to deposit of Performance Guarantee under clause 3.1, the Employer may, in its discretion which is final, agree to deduct a sum at the rate of 10% of the gross amount of each running bill of the Contractor till the sum along with the sum already deposited as earnest money, will amount to security deposit of 10% of the bid value of the work. Such deductions will be made and held by Government by way of Security Deposit unless he/they has/have deposited the amount of Security at the rate mentioned above in cash or in the form of Government Securities or fixed deposit receipts.

4. EXECUTION OF WORK

4.1 Works To Be Executed In Accordance With Specifications, Drawings and Orders Etc.:

The Contractor shall execute the whole and every part of the work in the most substantial and workmanlike manner both as regards materials and otherwise in every respect in strict accordance with the specifications. The Contractor shall also conform exactly, fully and faithfully to the design, drawings and instructions in writing in respect of the work signed by the Employer and the Contractor shall be furnished free of charge one copy of the contract documents together with specifications, designs, drawings and instructions as are not included in the standard specifications specified in Bidding Data or in any Bureau of Indian Standard or any other, published standard or code or, Schedule of Rates or any other printed publication referred to elsewhere in the contract.

The contractor shall comply with the provisions of the contract and with the care and diligence execute and maintain the works and provide all labour and materials, tools and plants including for measurements and supervision of all works, structural plans and other things of temporary or permanent nature required for such execution and maintenance in so far as the necessity for providing these, is specified or is reasonably inferred from the contract. The Contractor shall take full responsibility for adequacy, suitability and safety of all the works and methods of construction.

4.2 Deviations/Variations Extent and Pricing:

The Employer shall have power (i) to make alteration in, omissions from, additions to, or substitutions for the original specifications, drawings, designs and instructions that may appear to him to be necessary or advisable during the progress of the work, and (ii) to omit a part of the works in case of non-availability of a portion of the site or for any other reasons and the Contractor shall be bound to carry out the works in accordance with any instructions given to him in writing signed by the Employer

and such alterations, commissions, additions or substitutions shall form part of the contract as if originally provided therein and any altered, additional or substituted work which the Contractor may be directed to do in the manner specified above as part of the works, shall be carried out by the Contractor on the same conditions in all respects including price on which he agreed to do the main work except as here after provided.

The time for completion of the works shall, in the event of any deviations resulting in additional cost over the tendered value sum being ordered be extended, if requested by the Contractor, as follows:

- i) In the proportion which the additional cost of the altered, additional or substituted work, bears to the original tendered value **plus**
- ii) 25% of the time calculated in (i) above or such further additional time as may be considered reasonable by the Employer.

In the case of extra item(s) the Contractor may within fifteen days of receipt of order or occurrence of the item(s) claim rates, supported by proper analysis, for the work and the Employer shall within one month of the receipt of the claims supported by analysis, after giving consideration to the analysis of the rates submitted by the Contractor, determine the rates on the basis of the market rates and the Contractor shall be paid in accordance with the rates so determined.

In the case of substituted items, the rate for the agreement item (to be substituted) and substituted item shall also be determined in the manner as mentioned in the aforesaid para.

- (a) If the market rate for the substituted item so determined is more than the market rate of the agreement item (to be substituted), the rate payable to the Contractor for the substituted item shall be the rate for the agreement item (to be substituted) so increased to the extent of the difference between the market rates of substituted item and the agreement item (to be substituted).
- (b) If the market rate for the substituted item so determined is less than the market rate of the agreement item (to be substituted), the rate payable to the contractor for the substituted item shall be the rate for the agreement item (to be substituted) so decreased to the extent of the difference between the market rates of substituted item and the agreement item (to be substituted).

In the case of contract items, substituted items, contract cum substituted items, which exceed the limits laid down in Bidding Data, the contractor may within fifteen days of receipt of order or occurrence of the excess, claim revision of the rates, supported by proper analysis, for the work in excess of the above mentioned limits, provided that if the rates so claimed are in excess of the rates specified in the schedule of quantities the Employer shall within one month of receipt of the claims supported by analysis, after giving consideration to the analysis of the rates submitted by the contractor, determine the rates on the basis of the market rates and the contractor shall be paid in accordance with the rates so determined.

The provisions of the preceding paragraph shall also apply to the decrease in the rates of items for the work in excess of the limits laid down in Bidding Data, and the Employer shall after giving notice to the contractor within one month of occurrence of the excess and after taking into consideration any reply received from him within fifteen days of the receipt of the notice, revise the rates for the work in question within one month of the expiry of the said period of fifteen days having regard to the market rates.

The Contractor shall send to the Employer once **every three months an up to date account** giving complete details of all claims for **additional payments** to which the Contractor may consider himself entitled and of all additional work ordered by the Employer which he has executed during the

Preceding quarter, failing which the Contractor shall be deemed to have waived his right. However, the Employer may authorize consideration of such claims on merits.

For the purpose of operating **deviation limit** as provided in the Bidding Data, the following works shall be treated as works relating to **foundation**:

- i) For buildings, compound walls plinth level or 1.2 meters (4 feet) above ground level whichever is lower excluding items of flooring and D.P.C. but including base concrete below the floors.

- ii) For abutments, piers, retaining walls of culverts and bridges, walls of water reservoirs the bed of floor level.
- iii) For retaining walls, where floor level is not determinate, 1.2 meters above the average ground level or bed level.
- iv) For Roads, all items of excavation and filling including treatment of sub-base.

Any operation incidental to or necessarily has to be in contemplation of renderer while filing tender, or necessary for proper execution of the item included in the Schedule of quantities or in the schedule of rates mentioned above, whether or not, specifically indicated in the description of the item and the relevant specifications, **shall be deemed to be included in the rates quoted by the tender** or the rate given in the said schedule of rates, as the case may be. Nothing extra shall be admissible for such operations.

4.3 Action in Case Work not done as per Specifications:

All works under or in course of execution or executed in pursuance of the contract shall at all times be open and accessible to the inspection and supervision of the Employer, his authorized subordinates incharge of the work and all the superior officers, officer of the Quality Control Organization of the Department and of the Chief Technical Examiner's Office, and the Contractor shall, at all times, during the usual working hours and at all other times at which reasonable notice of the visit of such officers has been given to the Contractor, either himself be present to receive orders and instructions or have a responsible agent duly accredited in writing, present for that purpose. Orders given to the Contractor's agent shall be considered to have the same force as if they had been given to the Contractor himself.

If it shall appear to the Employer or his authorized subordinates in-charge of the work or to the Engineer in charge of Quality Control or his subordinate officers or to the Chief Technical Examiner or his subordinate officers, that any work has been executed with unsound, imperfect, or unskillful workmanship, or with materials or articles provided by him for the execution of the work which are unsound or of a quality inferior to that contracted or otherwise not in accordance with the contract the **Contractor shall, on demand in writing**, which shall be made within **six months** of the completion of the work **from the Employer specifying the work, materials or articles complained of notwithstanding that the same may have been passed, certified and paid for, forthwith rectify, or remove and reconstruct the work** so specified in whole or in part, as the case may require or as the case may be, remove the materials or articles so specified and **provide other proper and suitable materials** or articles **at his own charge and cost**. In the event of the failing to do so within a period specified by the Employer in his demand aforesaid, then the Contractor shall be liable to pay **compensation** at the **same rate** as under **clause 8.2** of the contract (for non-completion of the work in time) for this default.

In such case the Employer may not accept the item of work at the rates applicable under the contract but may accept such items at reduced rates as the competent authority may consider reasonable during the preparation of on account bills or final bill if the item is so acceptable without detriment to the safety and utility of the item and the structure or he may reject the work outright without any payment and/or get it and other connected and incidental items rectified, or removed and re-executed at the risk and cost of the Contractor. **Decision of the Employer** to be conveyed in writing in respect of the same will be **final and binding** on the Contractor.

4.4 Contractor Liable for Damages, Defects during Defects liability period:

If the Contractor or his working staff or servants shall break, deface, injure or destroy any part of building in which they may be working, or any building, road, road kerb, fence, enclosure, water pipe, cables, drains, electric or telephone post or wires, trees, grass or grassland, or cultivated ground contiguous to the premises on which the work or any part is being executed, or if any damage shall happen to the work while in progress, from any cause whatever or **if any defect, shrinkage or other faults appear in the work** within the **period** as specified in the **Bidding Document** after a certificate final or otherwise of its completion shall have been given by the Employer as aforesaid arising out of defect or improper materials or workmanship, the

Contractor shall upon receipt of a notice in writing on that behalf make the same good at his own expense or in default, the Engineer cause the same to be made good by other workmen and deduct the expense from any sums that may be due or at any time thereafter may become due to the Contractor, or **from his security deposit or the proceeds of sale thereof** or of a sufficient portion thereof. The **security deposit** of the Contractor **shall not be refunded** before the **expiry of defects liability period** after the issue of the certificate final or otherwise, of completion of work, or till the final bill has been prepared and passed whichever is later.

In case of Maintenance and Operation works of E&M services, the security deposit deducted from Contractors shall be refunded within one month from the date of final payment or within one month from the date of completion of the maintenance contract whichever is earlier.

4.5 Contractor Shall Supply Tools & Plants, etc:

The Contractor shall provide at his own cost all materials, plant, tools, appliances, implements, ladders, cordage, tackle, scaffolding and temporary works required for the proper execution of the work, whether original, altered or substituted and whether included in the specifications or other documents forming part of the contract or referred to in these conditions or not, or which may be necessary for the purpose of satisfying or complying with the requirements of the Employer as to any matter as to which under these conditions he is entitled to be satisfied, or which he is entitled to require together with carriage therefore to and from the work. The Contractor shall also supply without charge the requisite number of persons with the means and materials, necessary for the purpose of setting out works, and counting, weighing and assisting the measurement for examination at any time and from time to time of the work or materials. Failing his so doing, the same may be provided by the Employer at the expense of the Contractor and the expenses may be deducted, from any money due to the Contractor, under this contract or otherwise and/or from his security deposit or the proceeds of sale thereof, or of a sufficient portions thereof.

4.6 Employment of Technical Staff and Employees:

Contractors Superintendence, Supervision, Technical Staff & Employees

- i) The contractor shall provide all necessary superintendence during execution of the work and all along thereafter as may be necessary for proper fulfilling of the obligations under the contract.

The contractor shall immediately after receiving letter of acceptance of the Bid and before commencement of the work, intimate in writing to the Employer the name(s), qualifications, experience, age, address(s) and other particulars along with certificates of the principal technical representative to be in charge of the work and other technical representative(s) who will be supervising the work. Minimum requirement of such technical representative(s) and their qualifications and experience shall not be lower than specified in Bidding Document. The Employer shall within 3 days of receipt of such communication intimate in writing his approval or otherwise of such representative(s) to the contractor. Any such approval may at any time be withdrawn and in case of such withdrawal, the contractor shall appoint another such representative(s) according to the provisions of this clause. Decision of the bid accepting authority shall be final and binding on the contractor in this respect. Such a principal technical representative and other technical representative(s) shall be appointed by the contractor soon after receipt of the approval from Employer and shall be available at site before start of work.

All the provisions applicable to the principal technical representative under the clause will also be applicable to other technical representative(s). The principal technical representative and other technical representative(s) shall be present at the site of work for supervision at all times when any construction activity is in progress and also present himself/themselves, as required, to the Employer and/or his designated representative to take instructions. Instructions given to the technical representative(s) shall be deemed to have the same post as if these have been given to the contractor. The principal technical representative(s) shall be actually available at site fully during all stages of execution of work, during recording/checking/test checking of measurement of works and whenever so required by the Employer and shall also note down

instructions conveyed by the Employer or his designated representative(s) in the Site Order Book and shall affix his/their signature(s) in token of noting down the instructions and in token of acceptance of measurements/checked measurements/test checked measurements. The representative(s) shall not look after any other work. Substitutes, duly approved by Employer of the work in similar manner as aforesaid shall be provided in event of absence of any of the representative(s) by more than two days. If the Employer, whose decision in this respect is final and binding on the contractor, is convinced that no such technical representative(s) is/are effectively appointed or/is/are effectively attending or fulfilling the provision of this clause, a recovery (non-refundable) shall be effected from the contractor as specified in Bidding Data and the decision of the Employer as recorded in the Site Order Book and measurements recorded, checked/test checked in Measurement Books shall be final and binding on the contractor.

Further if the contractor fails to appoint a suitable principal technical representative and/or other technical representative(s) and if such appointed persons are not effectively present or are absent by more than two days without duly approved substitute or do not discharge their responsibilities satisfactorily, the Employer shall have full powers to suspend the execution of the work until such date as a suitable other technical representative(s) is/are appointed and the contractor shall be held responsible for the delay so caused to the work. The contractor shall submit a certificate of employment of the technical representative(s) along with every on account bill/final bill and shall produce evidence if at any time so required by the Employer.

- ii) The contractor shall provide and employ on the site only such technical assistants as are skilled and experienced in their respective fields and such foremen and supervisory staff as are competent to give proper supervision to the work.

The contractor shall provide and employ skilled, semiskilled and unskilled labour as is necessary for proper and timely execution of the work. The minimum strength of trained and certified workers shall be 5 % of the total strength employed. The accepted certification shall be granted by government authorize organizations.

The Employer shall be at liberty to object to and require the Contractor to remove from the works any person who in his opinion misconducts himself, or is incompetent or negligent in the performance of his duties or whose employment is otherwise considered by the Employer to be undesirable. Such person shall not be employed again at works site without the written permission of the Employer and the persons so removed shall be replaced as soon as possible by competent substitutes.

5. MATERIALS AND MACHINERIES

5.1 Materials to be provided by the Contractor:

The Contractor shall, at his own expense, provide all materials, required for the works other than those which are stipulated to be supplied by the Employer.

The Contractor shall, at his own expense and without delay, supply to the Employer samples of materials to be used on the work and shall get these approved in advance. All such materials to be provided by the Contractor shall be in conformity with the specifications laid down or referred to in the contract. The Contractor shall, if requested by the Employer furnish proof, to the satisfaction of the Employer that the materials so comply. The Employer shall within thirty days of supply of samples or within such further period as he may require intimate to the Contractor in writing whether samples are approved by him or not. If samples are not approved, the Contractor shall forthwith arrange to supply to the Employer for his approval fresh samples complying with the specifications laid down in the contract. When materials are required to be tested in accordance with specifications, approval of the Employer shall be issued after the test results are received.

The Contractor shall at his risk and cost submit the samples of materials to be tested or analyzed and shall not make use of or incorporate in the work any materials represented by the samples until the required tests or analysis have been made and materials finally accepted by the Employer. The Contractor shall not be eligible for any claim or compensation either arising out of any delay in the work or due to any corrective measures

required to be taken on account of and as a result of testing of materials.

The contractor shall, at his risk and cost, make all arrangements and shall provide all facilities as the Employer may require for collecting, and preparing the required number of samples for such tests at such time and to such place or places as may be directed by the Employer and bear all charges and cost of testing unless specifically provided for otherwise elsewhere in the contract or specifications. The Employer or his authorized representative shall at all times have access to the works and to all workshops and places where work is being prepared or from where materials, manufactured articles or machinery are being obtained for the works and the Contractor shall afford every facility and every assistance in obtaining the right to such access.

The Employer shall have full powers to require the removal from the premises of all materials which in his opinion are not in accordance with the specifications and in case of default, the Employer shall be at liberty to employ at the expense of the Contractor, other persons to remove the same without being answerable or accountable for any loss or damage that may happen or arise to such materials. The Employer shall also have full powers to require other proper materials to be substituted thereof and in case of default, the Employer because the same to be supplied and all costs which may attend such removal and substitution shall be borne by the Contractor.

5.2 Dismantled Material Govt. Property:

The Contractor shall treat all materials obtained during dismantling of a structure, excavation of the site for a work, etc. as Government's property and such materials shall be disposed off to the best advantage of Government according to the instructions in writing issued by the Employer.

5.3 Arrangement for Water for Construction:

The contractor(s) shall make his/their own arrangements for water required for the work and nothing extra will be paid for the same. This will be subject to the following conditions:

- i) That the water used by the Contractor(s) shall be fit for construction purposes to the satisfaction of the Engineer.
- ii) The Engineer shall make alternative arrangements for supply of water at the risk and cost of contractor(s) if the arrangements made by the contractor(s) for procurement of water are in the opinion of the Engineer, unsatisfactory.

Water, if available, may be supplied to the contractor by the Employer subject to the following conditions:-

- i) The water charges @ 1% shall be recovered on gross amount of the work done.
- ii) The contractor(s) shall make his/their own arrangement of water connection and laying of pipelines from existing main source of supply.
- iii) The Department do not guarantee to maintain uninterrupted supply of water and it will be incumbent on the contractor(s) to make alternative arrangements for water at his/their own cost in the event of any temporary break down in the Government water main so that the progress of his/their work is not held up for want of water. No claim of damage or refund of water charges will be entertained on account of such break down. Where there is no piped water supply arrangement and the water is taken by the Contractor from the wells or handpump constructed by the Government, no charge shall be recovered from the Contractor on that account except the costs of pumping out such water, power, diesel, water pumps etc. The Contractor shall, however, draw water at such hours of the day that it does not interfere with the normal use for which the hand pumps and wells are intended. He will also be responsible for all damage and abnormal repairs arising out of his use, the cost of which shall be recoverable from him. The Employer shall be the final authority to determine the cost recoverable from the Contractor on this account and his decision shall be binding on the Contractor. The Contractor shall be allowed to construct temporary wells in Government land for taking water for

construction purposes only after he has got permission of the Employer in writing. No charges shall be recovered from the contractor on this account, but the contractor shall be required to provide necessary safety arrangements to avoid any accidents or damage to adjacent buildings, roads and service lines. He shall be responsible for any accidents or damage caused due to construction and subsequent maintenance of the wells and shall restore the ground to its original condition after the wells are dismantled on completion of the work.

5.4 Use of Asphaltic Material:

- i) The Contractor agrees and undertakes to make arrangement for the supervision of the work by the firm supplying the tar or bitumen used.
- ii) The Contractor shall collect the total quantity of tar or bitumen required for the work as per standard formula, before the process of painting is started and shall hypothecate it to the Employer. If any bitumen or tar remains unused on completion of the work on account of lesser use of materials in actual execution for reasons other than authorized changes of specifications and abandonment of portion of work, a corresponding deduction equivalent to the cost of unused materials as determined by the Employer shall be made and the material return to the Contractors. Although the materials are hypothecated to Government, the Contractor agrees and undertakes the responsibility for their proper watch, safe custody and protection against all risks. The materials shall not be removed from site of work without the consent of the Employer in writing.
- iii) The Contractor shall be responsible for rectifying defects noticed within a year from the date of completion of the work and the portion of the security deposit relating to asphaltic work shall be refunded after the expiry of this period.

6. MEASUREMENT AND PAYMENT

6.1 Measurements of Work Done:

Engineer shall, except as otherwise provided, ascertain and determine by measurement the value in accordance with the contract of work done.

All measurement of all items having financial value shall be entered in Measurement Book and/or level field book so that a complete record is obtained of all works performed under the contract.

All measurements and levels shall be taken jointly by the Engineer or his authorized representative and by the contractor or his authorized representative from time to time during the progress of the work and such measurements shall be signed and dated by the Engineer and the contractor or their representatives in token of their acceptance. If the contractor objects to any of the measurements recorded, a note shall be made to that effect with reason and signed by both the parties.

If for any reason the contractor or his authorized representative is not available and the work of recording measurements is suspended by the Engineer or his representative, the Engineer shall not entertain any claim from contractor for any loss or damages on this account. If the contractor or his authorized representative does not remain present at the time of such measurements after the contractor or his authorized representative has been given a notice in writing three (3) days in advance or fails to countersign or to record objection within a week from the date of the measurement, then such measurements recorded in his absence by the Engineer or his representative shall be deemed to be accepted by the Contractor.

The contractor shall, without extra charge, provide all assistance with every appliance, labour and other things necessary for measurements and recording levels. Except where any general or detailed description of the work expressly shows to the contrary, measurements shall be taken in accordance with the procedure set forth in the specifications notwithstanding any provision in the relevant Standard Method of measurement or any general or local custom. In the case of items which are not covered by specifications, measurements shall be taken in accordance with the relevant standard method of measurement issued by the Bureau of Indian Standards and if for any item no such standard is available then a mutually agreed method shall be followed.

The Contractor shall give not less than seven days' notice to the Employer or his authorized representative in-charge of the work before covering up or otherwise placing beyond the reach of measurement any work in order that the same may be measured and correct dimensions thereof be taken before the same is covered up or placed beyond the reach of measurement and shall not cover up and place beyond reach of measurement any work without consent in writing of the Employer or his authorized representative in-charge of the work who shall within the aforesaid period of seven days inspect the work, and if any work shall be covered up or placed beyond the reach of measurements without such notice having been given or the Employer's consent being obtained in writing the same shall be uncovered at the Contractor's expense, or in default thereof no payment or allowance shall be made for such work or the materials with which the same was executed.

Employer or his authorized representative may cause either themselves or through another officer of the department to check the measurements recorded jointly or otherwise as aforesaid and all provisions stipulated herein above shall be applicable to such checking of measurements or levels.

It is also a term of this contract that recording of measurements of any item of work in the measurement book and/or its payment in the interim, on account or final bill shall not be considered as conclusive evidence as to the sufficiency of any work or material to which it relates nor shall it relieve the Contractor from liabilities from any over measurement or defects noticed till completion of the defects liability period.

6.2 Intermediate Payment:

No payment shall be made for work, estimated to cost Rs. **Ten Lakh** or less till after the whole of the work shall have been completed and certificate of completion given. For works estimated to cost over Rs. **Ten Lakh**, the interim or running account bills shall be submitted by the Contractor for the work executed on the basis of such recorded measurements on the format of the Department in triplicate on or before the date of every month fixed for the same by the Employer. The Contractor shall not be entitled to be paid any such interim payment if the gross work done together with net payment/adjustment of advances for material collected, if any, since the last such payment is less than Rs. **Ten Lakh**, in which case the interim bill shall be prepared on the appointed date of the month after the requisite progress is achieved. Employer shall arrange to have the bill verified by taking or causing to be taken, where necessary, the requisite measurements of the work. In the event of the failure of the Contractor to submit the bills, Engineer shall prepare or cause to be prepared such bills in which event no claims whatsoever due to delays on payment including that of interest shall be payable to the Contractor. Payment on account of amount admissible shall be made by the Employer certifying the sum to which the Contractor is considered entitled by way of interim payment at such rates as decided by the Employer. The amount admissible shall be paid by 14th working day after the day of presentation of the bill by the Contractor to the Engineer together with the account of the material issued by the department, or dismantled materials, if any. In the case of works outside the headquarters of the Employer, the period of 14 working days will be extended to 21 working days.

All such interim payments shall be regarded as payment by way of advances against final payment only and shall not preclude the requiring of bad, unsound and imperfect or unskilled work to be rejected, removed, taken away and reconstructed or re-erected. Any certificate given by the Employer relating to the work done or materials delivered forming part of such payment, may be modified or corrected by any subsequent such certificate(s) or by the final certificate and shall not by itself be conclusive evidence that any work or materials to which it relates is/are in accordance with the contract and specifications. Any such interim payment, or any part thereof shall not in any respect conclude, determine or affect in any way powers of the Employer under the contract or any of such payments be treated as final settlement and adjustment of accounts or in any way vary or affect the contract.

Pending consideration of extension of date of completion, interim payments shall continue to be made as herein provided without prejudice to the right of the Employer to take action under the terms of this contract for delay in the completion of work, if the extension of date of completion is not granted by the competent authority.

6.3 Completion Certificate and Completion Plans:

Within ten days of the completion of the work, the Contractor shall give notice of such completion to the Employer and within thirty days of the receipt of such notice the Employer shall inspect the work and if there

is no defect in the work, shall furnish the Contractor with a final certificate of completion, otherwise a provisional certificate of physical completion indicating defects (a) to be rectified by the contractor and/or (b) for which payment will be made at reduced rates, shall be issued. But no final certificate of completion shall be issued, nor shall the work be considered to be complete until the contractor shall have removed from the premises on which the work shall be executed all scaffolding, surplus materials, rubbish and all huts and sanitary arrangements required for his/their work people on the site in connection with the execution of the works as shall have been erected or constructed by the contractor(s) and cleaned off the dirt from all wood work, doors, windows, walls, floor or other parts of the building, in, upon, or about which the work is to be executed or of which he may have had possession for the purpose of the execution thereof, and not until the work shall have been measured by the Employer. If the contractor shall fail to comply with the requirements of this Clause as to removal of scaffolding, surplus materials and rubbish and all huts and sanitary arrangements as aforesaid and cleaning off dirt on or before the date fixed for the completion of work, the Employer may at the expense of the contractor remove such scaffolding, surplus materials and rubbish etc., and dispose of the same as he thinks fit and clean off such dirt as aforesaid, and the contractor shall have no claim in respect of scaffolding or surplus materials as aforesaid except for any sum actually realized by the sale thereof.

When the annual repairs and maintenance of works are carried out, the splashes and droppings from white washing, colour washing, painting etc., on walls, floor, windows, etc. shall be removed and the surface cleaned simultaneously with the completion of these items of work in the individual rooms, quarters or premises etc. where the work is done without waiting for the actual completion of all the other items of work in the contract. In case the Contractor fails to comply with the requirements of this clause, the Employer shall have the right to get this work done at the cost of the Contractor either departmentally or through any other agency. Before taking such action, the Employer shall give ten days notice in writing to the contractor.

6.4 Payment of Final Bill:

The final bill shall be submitted by the Contractor in the same manner as specified in interim bills within one months of physical completion of the work or within one month of the date of the final certificate of completion furnished by the Employer whichever is earlier. No further claims shall be made by the Contractor after submission of the final bill and these shall be deemed to have been waived and extinguished. Payments of those items of the bill in respect of which there is no dispute and of items in dispute, for quantities and rates as approved by Employer, will, as far as possible be made within a period of three months, the period being reckoned from the date of receipt of the bill by the Engineer, complete with account of dismantled materials.

6.5 Release of Security Deposit after Labour Clearance:

Security Deposit of the work **shall not be refunded** till the Contractor produces a **clearance certificate** from the **Labour Officer**. As soon as the work is virtually complete, the Contractor shall apply for the clearance certificate to the Labour Officer under intimation to the Employer. The **Employer**, on receipt of the said communication, **shall write** to the **Labour Officer** to intimate if any complaint is pending against the Contractor in respect of the work. If no complaint is pending, on record till after **3 months** after completion of the work and/or no communication is received from the Labour Officer to this effect till **six months** after the date of completion, it will be **deemed to have received the clearance certificate** and the Security Deposit will be released if otherwise due.

6.6 Secured Advance on non-Perishable Materials:

The Contractor, on signing an indenture in the form to be specified by the Employer, shall be entitled to be paid during the progress of the execution of the work up to 75% of the assessed value of any materials which are in the opinion of the Employer non-perishable, non-fragile and non-combustible and are in accordance with the contract and which have been brought on the site in connection therewith and are adequately stored and/or protected against damage by weather or other causes but which have not at the time of advance been incorporated in the works. When materials on account of which an advance has been made under this sub-clause are incorporated in the work, the amount of such advance shall be recovered/deducted from the next payment made under any of the clause or clauses of this contract. Such secured advance shall also be payable on other items of perishable nature, fragile and combustible with the approval of the Employer provided the

Contractor provides a comprehensive insurance cover for the full cost of such materials. The decision of the Employer shall be final and binding on the contractor in this matter. No secured advance, shall however, be paid on high-risk materials such as ordinary glass, sand, petrol, diesel etc.

6.7 Compensation during Warlike Situation:

The work (whether fully constructed or not) and all materials, machines, tools and plants, scaffolding, temporary buildings and other things connected therewith shall be at the risk of the Contractor until the work has been delivered to the Employer and a certificate from him to that effect obtained. In the event of the work or any materials properly brought to the site for incorporation in the work being damaged or destroyed in consequence of hostilities or warlike operation (i.e. war, border skirmishes, invasion, act of foreign enemies, rebellion, revolution, insurrection of military or usurped powers, or civil war, action against terrorist/militants), the Contractor shall, when ordered (in writing) by the Employer to remove any debris from the site, collect and properly stack or remove in store all serviceable materials salvaged from the damaged work and shall be paid at the contract rates in accordance with the provision of this agreement for the work of clearing the site of debris, stacking or removal of serviceable material and **for reconstruction of all works ordered by the Employer**, such payments being in addition to compensation up to the value of the work originally executed before being damaged or destroyed and not paid for. In case of works damaged or destroyed but not already measured and paid for, the compensation shall be assessed by the Employer. The Contractor shall be paid for the damages/destruction suffered and for the restoring the material at the rate based on analysis of rates tendered for in accordance with the provision of the contract. The certificate of the Employer regarding the quality and quantity of materials and the purpose for which they were collected shall be final and binding on all parties to this contract.

Provided always that no compensation shall be payable for any loss in consequence of hostilities or warlike operations (a) unless the contractor had taken all such precautions against air raid as are deemed necessary by the A.R.P. Officers or the Employer (b) for any material etc. not on the site of the work or for any tools, plant, machinery, scaffolding, temporary building and other things not intended for the work.

In the event of the contractor having to carry out reconstruction as aforesaid, he shall be allowed such extension of time for its completion as is considered reasonable by the Employer.

7. OBSERVANCE OF LABOUR REGULATION

7.1 Recovery of Compensation Paid to Workmen:

In every case in which by virtue of the provisions sub-section (1) of Section 12, of the Workmen's Compensation Act, 1923, Government is obliged to pay compensation to a workman employed by the contractor, in execution of the works, Government will recover from the contractor, the amount of the compensation so paid; and, without prejudice to the rights of the Government under sub-section (2) of Section 12, of the said Act, Government shall be at liberty to recover such amount or any part thereof by deducting it from the security deposit or from any sum due by Government to the contractor whether under this contract or otherwise. Government shall not be bound to contest any claim made against it under sub-section (1) Section 12, of the said Act, except on the written request of the contractor and upon his giving to Government full security for all costs for which Government might become liable in consequence of contesting such claim.

7.2 Ensuring Payment and Amenities to Workman, if Contractor Fails:

In every case in which by virtue of the provisions of the Contract Labour (Regulation and Abolition) Act, 1970, and of the Contract Labour (Regulation and Abolition) Central Rules, 1971, Government is obliged to pay any amounts of wages to a workman employed by the contractor in execution of the works, or to incur any expenditure in providing welfare and health amenities required to be provided under the above said Act and the rules under Clause 7.10 or under the Contractor's Labour Regulations, or under the Rules framed by Government from time to time for the protection of health and sanitary arrangements for workers employed by Contractors, Government will recover from the contractor, the amount of wages so paid or the amount of expenditure so incurred; and without prejudice to the rights of the Government under sub-section(2) of

Section 20, and sub-section (4) of Section 21, of the Contract Labour (Regulation and Abolition) Act, 1970, Government shall be at liberty to recover such amount or any part thereof by deducting it from the security deposit or from any sum due by Government to the contractor whether under this contract or otherwise Government shall not be bound to contest any claim made against it under sub-section (1) of Section 20, sub-section (4) of Section 21, of the said Act, except on the written request of the contractor and upon his giving to the Government full security for all costs for which Government might become liable in contesting such claim.

7.3 Labour Laws to be complied:

The Contractor shall obtain a valid licence under the Contract Labour (R&A) Act 1970, and the Contract Labour (Regulation and Abolition) Central Rules 1971, before the commencement of the work, and continue to have a valid license until the completion of the work. The contractor shall also abide by the provisions of the Child Labour (Prohibition and Regulation) Act, 1986.

The contractor shall also comply with the provisions of the building and other Construction Workers (Regulation of Employment & Conditions of Service) Act, 1996 and the building and other Construction Workers Welfare Cess Act, 1996. Any failure to fulfill these requirements shall attract the penal provisions of this contract arising out of the resultant non-execution of the work.

No labour below the age of fourteen years shall be employed on the work.

Labour Laws to be complied by the Contractor

S. No.	Acts/ Laws related to health and safety	Objectives	Applicability
1.	Minimum wages Act, 1948	The Minimum Wages Act, 1948 safeguards the interests of workers by providing fixation of minimum wages mainly focusing, e.g., The employer is supposed to pay not less than the Minimum Wages fixed by appropriate Government as per provisions of the Act	In compliance with the Act, the wage to be paid to the laborers engaged in any civil work, supported under NAHEP shall not be less than the latest minimum wage fixed by the state.
2.	The Child Labor (Prohibition and Regulation Amendment Act, 2016	Ban of employment of children below 14 years in specific occupation and processes. • Lay down the procedure to decide modifications to the schedule of banned occupation and processes. • Regulate the conditions of work of children in employments where they are not prohibited for working.	Children below the age of 14 shall not be engaged in construction works as laborers, in hazardous works like handling pesticides, fertilizers etc. at participating institutions
3.	The Contract Labor (Regulation and Abolition) Act, 1970	To regulate the employment of contract laborers in certain establishments and to provide for its abolition in	The laborers hired by contractors for engaging in construction/up-

		certain circumstances and for matters connected therewith.	gradation at institutions shall be provided with facilities like rest rooms, drinking water sanitary provisions, first aid box etc.
4.	Equal Remuneration Act, 1976	To provide for the payment of equal remuneration to men and women workers and for the prevention of discrimination, on the ground of sex, against women in the matter of employment and for matters connected therewith or incidental thereto.	Women engaged in the activities supported by the project should be paid at par with their male counterparts
5.	The Building and Other Construction Workers Related Laws(Amendment) Bill, 2013:	To regulate the employment and conditions of services of building and other construction workers and to provide their safety, health and welfare measures and for other matters connected therewith or incidental thereto.	The Act shall be applicable to the contractors to be engaged for the construction/ expansion of buildings and other infrastructure
6.	Workmen's Compensation Act, 1923 (Amended 2009)	Provides for compensation in case of injury by accident arising out of and during the course of employment	The Act shall be applicable to the contractors to be engaged for the construction/ expansion of buildings and other infrastructure
7	The Bonded Labor (Abolition) Act 1976	An Act to provide for the abolition of bonded labor system with a view to preventing the economic and physical exploitation of the weaker sections of the people and for matters connected therewith or incidental thereto	Applicable to the contractors to be engaged under the project

The laws aforesaid shall be deemed to be a part of this contract and any breach thereof shall be deemed to be a breach of this contract.

7.4 Payment of Wages:

- i) The Contractor shall pay to labour employed by him either directly or through sub-contractors, wages not less than fair wages as defined in Contractor's Labour Regulations or as per the provisions of the Contract Labour (Regulation and Abolition) Act 1970 and the Contract Labour (Regulation and Abolition) Central Rules, 1971, wherever applicable.
- ii) The Contractor shall, notwithstanding the provisions of any contract to the contrary, cause to be paid fair wage to labour indirectly engaged on the work, including any labour engaged by his subcontractors in connection with the said work, as if the labour had been immediately employed by him.
- iii) In respect of all labour directly or indirectly employed in the works for performance of the contractor's part of this contract, the Contractor shall comply with or cause to be complied with the contractor's Labour Regulations made by Government from time to time in regard to payment of wages, wage period, deductions from wages recovery of wages not paid and deductions unauthorizedly made, maintenance of wage books or wage slips, publication of scale of wages and other terms of employment, inspection and submission of periodical returns and all other matters of the like nature or as per the provisions of the Contract Labour (Regulation and Abolition) Act, 1970, and the Contract Labour (Regulation and Abolition) Central Rules, 1971, wherever applicable.
- iv)
 - a) The Employer concerned shall have the right to deduct from the moneys due to the contractor any sum required or estimated to be required for making good the loss suffered by a worker or workers by reason of non-fulfillment of the conditions of the contract for the benefit of the workers, non-payment of wages or of deductions made from his or their wages which are not justified by their terms of the contract or non-observance of the Regulations.
 - b) Under the provision of Minimum Wages (Central) Rules 1950, the contractor is bound to allow to the labours directly or indirectly employed in the works one day rest for 6 days continuous work and pay wages at the same rate as for duty. In the event of default, the Employer shall have the right to deduct the sum or sums not paid on account of wages for weekly holidays to any labours and pay the same to the persons entitled thereto from any money due to the contractor by the Employer concerned.
- v) The contractor shall comply with the provisions of the Payment of Wages Act, 1936, **Minimum Wages Act, 1948**, Employees Liability Act, 1938, Workmen's Compensation Act, 1923, Industrial Disputes Act, 1947, Maternity Benefits Act, 1961, and the **Contractor's Labour (Regulation and Abolition) Act 1970**, or the modifications thereof or any other laws relating thereto and the rules made there under from time to time.
- vi) The contractor shall indemnify and keep indemnified Government against payments to be made under and for the observance of the laws aforesaid and the Contractor's Labour Regulations without prejudice to his right to claim indemnity from his sub-contractors.
- vii) The laws aforesaid shall be deemed to be a part of this contract and any breach thereof shall be deemed to be a breach of this contract.
- viii) Whatever is the minimum wage for the time being, or if the wage payable is higher than such wage, such wage shall be paid by the Contractor to the workmen directly without the intervention of Jamadar and that Jamadar shall not be entitled to deduct or recover any amount from the minimum wage payable to the workmen as and by way of commission or otherwise.
- ix) The contractor shall ensure that no amount by way of commission or otherwise is deducted or recovered by the Jamadar from the wage of workmen.

7.5 Arrangement for Safety Provisions:

In respect of all labour directly or indirectly employed in the work for the performance of the Contractor's

part of this contract, the Contractor shall at his own expense arrange for the safety provisions as per. Safety Code framed from time to time and shall at his own expense provide for all facilities in connection therewith. In case the Contractor fails to make arrangement and provide necessary facilities as aforesaid, he shall be liable to pay a penalty of Rs.500/- for each default and in addition the Employer shall be at liberty to make arrangement and provide facilities as aforesaid and recover the costs incurred in that behalf from the Contractor.

7.6 Submission of Labour Return:

The contractor shall submit by the 4th and 19th of every month, to the Engineer a true statement showing in respect of the second half of the preceding month and the first half of the current month respectively:-

- (1) the number of labours employed by him on the work,
- (2) their working hours,
- (3) the wages paid to them,
- (4) the accidents that occurred during the said fortnight showing the circumstances under which they happened and the extent of damage and injury caused by them, and
- (5) the number of female workers who have been allowed maternity benefit according to Clause 7.8 and the amount paid to them.

Failing which the Contractor shall be liable to pay to Government, a sum not exceeding Rs.500/- for each default or materially incorrect statement. The decision of the Employer shall be final in deducting from any bill due to the Contractor the amount levied as fine and be binding on the contractor.

7.7 Rules Framed by Govt. to be complied:

In respect of all labour directly or indirectly employed in the works for the performance of the Contractor's part of this contract, the Contractor shall comply with or cause to be complied with all the rules framed by Government from time to time for the protection of health and sanitary arrangements for workers employed by the contractors.

7.8 Leave and Pay Regulations:

Leave and pay during leave shall be regulated as follows:-

1. Leave:
 - (i) in the case of delivery - maternity leave not exceeding 8 weeks, 4 weeks up to and including the day of delivery and 4 weeks following that day,
 - (ii) in the case of miscarriage – up to 3 weeks from the date of miscarriage.
2. Pay:
 - (i) in the case of delivery - leave pay during maternity leave will be at the rate of the women's average daily earnings, calculated on total wages earned on the days when full time work was done during a period of three months immediately preceding the date on which she gives notice that she expects to be confined or at the rate of Rupee one only a day whichever is greater.
 - (ii) in the case of miscarriage - leave pay at the rate of average daily earning calculated on the total wages earned on the days when full time work was done during a period of three months immediately preceding the date of such miscarriage.
3. Conditions for the grant of Maternity Leave:

No maternity leave benefit shall be admissible to a woman unless she has been employed for a total period of not less than six months immediately preceding the date on which she proceeds on leave.

4. The contractor shall maintain a register of Maternity (Benefit) in the Prescribed Form , and the same shall be kept at the place of work.

7.9 Default of any of the Provisions of Contractors' Labour Regulations:

In the event of the contractor(s) committing a default or breach of any of the provisions , Contractor's Labour Regulations and Model Rules for the protection of health and sanitary arrangements for the workers as amended from time to time or furnishing any information or submitting or filing any statement under the provisions of the above Regulations and Rules which is materially incorrect, he/they shall, without prejudice to any other liability, pay to the Govt. a sum not exceeding Rs.500/- for every default, breach or furnishing, making, submitting, filing such materially incorrect statements and in the event of the contractor(s) defaulting continuously in this respect, the penalty may be enhanced to Rs.200/- per day for each day of default subject to a maximum of 5 per cent of the estimated cost of the work put to tender. The decision of the Employer shall be final and binding on the parties.

Should it appear to the Engineer that the contractor(s) is/are not properly observing and complying with the provisions of the Contractor's Labour Regulations and Model Rules and the provisions of the Contract Labour (Regulation and Abolition) Act 1970, and the Contract Labour (R& A) Central Rules 1971, for the protection of health and sanitary arrangements for work-people employed by the contractor(s) (hereinafter referred as "the said Rules") the Employer shall have power to give notice in writing to the contractor(s) requiring that the said Rules be complied with and the amenities prescribed therein be provided to the work-people within a reasonable time to be specified in the notice. If the contractor(s) shall fail within the period specified in the notice to comply with and/observe the said Rules and to provide the amenities to the work-people as aforesaid, the Employer shall have the power to provide the amenities hereinbefore mentioned at the cost of the contractor(s). The contractor(s) shall erect, make and maintain at his/their own expense and to approved standards all necessary tents and sanitary arrangements required for his/their work-people on the site in connection with the execution of the works, and if the same shall not have been erected or constructed, according to approved standards, the Employer shall have power to give notice in writing to the contractor(s) requiring that the said tents and sanitary arrangements be remodeled and/or reconstructed according to approved standards, and if the contractor(s) shall fail to remodel or reconstruct such huts and sanitary arrangements according to approved standards within the period specified in the notice, the Employer shall have the power to remodel or reconstruct such huts and sanitary arrangements according to approved standards at the cost of the contractor(s).

7.10 Provision of Tents, Water Supply to the Labourer:

The contractor(s) shall at his/their own cost provide his/their labour with following facilities

- a) Sufficient numbers of tents.
- b) Sufficient numbers of latrines and urinals covered by tents.
- c) Sufficient quantity of water for drinking and other purposes.
- d) Proper drainage and sanitation.

7.11 Removal of Contractor's Employee:

The Employer may require the contractor to dismiss or remove from the site of the work any person or persons in the contractors' employ upon the work who may be incompetent or misconduct himself and the contractor shall forthwith comply with such requirements.

8. OPERATION OF CONTRACT

8.1 Time and Extension for Delay:

The time allowed for execution of the Works as specified in the Bidding data or the extended time in accordance with these conditions shall be the essence of the Contract. The execution of the works shall commence from such time period as mentioned in letter of acceptance or from the date of handing over of the site whichever is later. If the Contractor commits default in commencing the execution of the work as aforesaid, Government shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the earnest money & performance guarantee absolutely.

As soon as possible after the Contract is concluded the Contractor shall submit a Time and Progress Chart and get it approved by the Employer. It shall indicate the forecast of the dates of commencement and completion of various trades of sections of the work and may be amended as necessary by agreement between the Employer and the Contractor and further to ensure good progress during the execution of the work, the contractor shall in all cases complete the work as per the schedule.

If the work(s) be delayed by:-

- i) Force majeure events, or
- ii) Abnormally bad weather, or
- iii) Serious loss or damage by fire, or
- iv) Civil commotion, local commotion of workmen, strike (excluding by Party's employees) or lockout (excluding by Party's employees), affecting any of the trades employed on the work, or
- v) delay on the part of other contractors or tradesmen engaged by Employer in executing work not forming part of the Contract, or
- vi) any other cause which, in the absolute discretion of the authority mentioned in Bidding Data is beyond the Contractor's control and not brought about at the instance of the Contractor claiming to be affected by such event. Then upon the happening of any such event causing delay, the Contractor shall immediately give notice thereof in writing to the Employer but shall nevertheless use constantly his best endeavors to prevent or make good the delay and shall do all that may be reasonably required to the satisfaction of the Employer to proceed with the works. Request for rescheduling of work and extension of time, to be eligible for consideration, shall be made by the Contractor in writing within fourteen days of the happening of the event causing delay on the prescribed form. The Contractor may also, if practicable, indicate in such a request the period for which extension is desired. In any such case the authority mentioned in Bidding Data may give a fair and reasonable extension of time. Such extension shall be communicated to the Contractor by the Employer in writing, within 2 months of the date of receipt of such request. Non application by the contractor for extension of time shall not be a bar for giving a fair and reasonable extension by the Employer and this shall be binding on the contractor.

8.2 Compensation For Delay:

If the contractor fails to maintain the required progress in terms of clause 8.1 or to complete the work and clear the site on or before the contract or extended date of completion, he shall, without prejudice to any other right or remedy available under the law to the Government/Council/Institute on account of such breach, pay as agreed compensation the amount calculated at the rates stipulated below as the competent authority (whose decision in writing shall be final and binding) may decide on the amount of tendered value of the work for every completed day/week (as applicable) that the progress remains below that specified in Clause 8.1 or that the work remains incomplete.

This will also apply to items or group of items for which a separate period of completion has been specified.

Any willful delay on the part of the contractor in completing the work within the stipulated period will render him liable to pay liquidated damages @ 0.05 % per day which will be deducted from payments due to

him. The first party may cancel the contract and take recourse to such other action as deemed appropriate once the total amount of liquidated damages exceeds 2 % of the contract amount.

(Note : The amount of liquidated damages per day should be determined at 0.05% of the contract value of the works and indicated here).

Compensation for delay of work beyond _____ the stipulated period be computed on per day basis for repairs work up to Rs. 10 Lakh and for all other works 0.5% of the contract value per week of delay subject to maximum of 10% of contract value.

Provided always that the total amount of compensation for delay to be paid under this Condition shall not exceed 10% of the Bid Value of work or of the Bid Value of the item or group of items of work for which a separate period of completion is originally given.

The amount of compensation may be adjusted or set-off against any sum payable to the Contractor under this or any other contract with the Government.

8.3 When Contract Can Be Determined:

Subject to other provisions contained in this clause, the Employer may, without prejudice to his any other rights or remedy against the Contractor in respect of any delay, inferior workmanship, any claims for damages and/or any other provisions of this contract or otherwise, and whether the date of completion has or has not elapsed, by notice in writing absolutely determine the contract in any of the following cases:

- i) If the contractor having been given by the Employer a notice in writing to rectify, reconstruct or replace any defective work or that the work is being performed in an inefficient or otherwise improper or un- workmanlike manner shall omit to comply with the requirement of such notice for a period of seven days thereafter.
- ii) If the contractor being a company shall pass a resolution or the court shall make an order that the company shall be wound up or if a receiver or a manager on behalf of a creditor shall be appointed or if circumstances shall arise which entitle the court or the creditor to appoint a receiver or a manager or which entitle the court to make a winding up order.
- iii) If the contractor has, without reasonable cause, suspended the progress of the work or has failed to proceed with the work with due diligence so that in the opinion of the Employer (which shall be final and binding) he will be unable to secure completion of the work by the date for completion and continues to do so after a notice in writing of seven days from the Employer.
- iv) If the contractor fails to complete the work within the stipulated date or items of work with individual date of completion, if any stipulated, on or before such date(s) of completion and does not complete them within the period specified in a notice given in writing in that behalf by the Employer.
- v) If the contractor persistently neglects to carry out his obligations under the contract and/or commits default in complying with any of the terms and conditions of the contract and does not remedy it or take effective steps to remedy it within 7 days after a notice in writing is given to him in that behalf by the Employer.
- vi) If the contractor commits any acts mentioned in Clause 2.1 hereof; or
- vii) If the work is not started by the contractor within 1/8th of the stipulated time.
When the contractor has made himself liable for action under any one or more of the cases aforesaid, the Employer on behalf of the President of India shall have powers:
 - a) To determine or rescind the contract as aforesaid (of which termination or rescission notice in writing to the contractor under the hand of the Employer shall be conclusive evidence). Upon such determination or rescission, the Earnest Money Deposit, Security Deposit already recovered and Performance Guarantee under the contract shall be liable to be forfeited and shall be absolutely at the disposal of the Government/ the Employer.

- b) After giving notice to the contractor to measure up the work of the contractor and to take such whole, or the balance or part thereof, as shall be un-executed out of his hands and to give it to another contractor to complete the work. The contractor, whose contract is determined or rescinded as above, shall not be allowed to participate in the tendering process for the balance work.

In the event of above courses being adopted by the Employer, the contractor shall have no claim to compensation for any loss sustained by him by reasons of his having purchased or procured any materials or entered into any engagements or made any advances on account or with a view to the execution of the work or the performance of the contract. And in case action is taken under any of the provision aforesaid, the contractor shall not be entitled to recover or be paid any sum for any work thereof or actually performed under this contract unless and until the Employer has certified in writing the performance of such work and the value payable in respect thereof and he shall only be entitled to be paid the value so certified.

8.4 Foreclosure of Contract due to Abandonment or Reduction In Scope of Work:

If at any time after acceptance of the bid, the Employer/ Government shall decide to abandon or reduce the scope of the works for any reason whatsoever and hence not require the whole or any part of the works to be carried out, the Employer shall give notice in writing to that effect to the contractor and the contractor shall act accordingly in the matter. The contractor shall have no claim to any payment of compensation or otherwise whatsoever, on account of any profit or advantage which he might have derived from the execution of the works in full but which he did not derive in consequence of the foreclosure of the whole or part of the works. The contractor shall be paid at contract rates full amount for works executed at site and, in addition, a reasonable amount as certified by the Engineer for the items hereunder mentioned which could not be utilized on the work to the full extent in view of the foreclosure:

- i) Any expenditure incurred on preliminary site work, e.g. temporary access roads, temporary labour huts, staff quarters and site office; storage accommodation and water storage tanks.
- ii) Government shall have the option to take over contractor's materials or any part thereof either brought to site or of which the contractor is legally bound to accept delivery from suppliers (for incorporation in or incidental to the work) provided, however, Government shall be bound to take over the materials or such portions thereof as the contractor does not desire to retain. For materials taken over or to be taken over by Government, cost of such materials as detailed by Engineer shall be paid. The cost shall, however, take into account purchase price, cost of transportation and deterioration or damage which may have been caused to materials whilst in the custody of the contractor.
- iii) Reasonable compensation for transfer of T & P from site to contractor's permanent stores or to his other works, whichever is less. If T & P are not transported to either of the said places, no cost of transportation shall be payable.
- iv) Reasonable compensation for repatriation of contractor's site staff and imported labour to the extent necessary.

The contractor shall, if required by the Engineer furnish to him books of account, wage books, time sheets and other relevant documents and evidence as may be necessary to enable him to certify the reasonable amount payable under this condition.

The reasonable amount of items on (i), (iii) and (iv) above shall not be in excess of 2% of the cost of the work remaining incomplete on the date of closure, i.e. total stipulated cost of the work as per accepted bid less the cost of work actually executed under the contract and less the cost of contractor's materials at site taken over by the Government as per item (ii) above. Provided always that against any payments due to the contractor on this account or otherwise, the Employer shall be entitled to recover or be credited with any outstanding balances due from the contractor for advance paid in respect of any tool, plants and materials and any other sums which at the date of termination were recoverable by the Government from the contractor under the terms of the contract.

8.5 Cancellation of Contract in Full or Part:

If Contractor:

- i) at any time makes default in proceeding with the works or any part of the work with the due diligence and continues to do so after a notice in writing of 7 days from the Employer; or
- ii) commits default to complying with any of the terms and conditions of the contract and does not remedy it or take effective steps to remedy it within 7 days after a notice in writing is given to him in that behalf by the Employer; or
- iii) fails to complete the works or items of work with individual dates of completion, on or before the date(s) of completion, and does not complete them within the period specified in a notice given in writing in that behalf by the Employer; or
- iv) shall offer or give or agree to give to any person in Government service or to any other person on his behalf any gift or consideration of any kind as an inducement or reward for doing or forbearing to do or for having done or forborne to do any act in relation to the obtaining or execution of this or any other contract for Government; or
- v) shall enter into a contract with Government in connection with which commission has been paid or agreed to be paid by him or to his knowledge, unless the particulars of any such commission and the terms of payment thereof have been previously disclosed in writing to the Accepting Authority/Employer; or
- vi) shall obtain a contract with Government as a result of wrong tendering or other non-bonafide methods of competitive tendering; or
- vii) being an individual, or if a firm, any partner thereof shall at any time be adjudged insolvent or have a receiving order or order for administration of his estate made against him or shall take any proceedings for liquidation or composition (other than a voluntary liquidation for the purpose of amalgamation or reconstruction) under any Insolvency Act for the time being in force or make any conveyance or assignment of his effects or composition or arrangement for the benefit of his creditors or purport so to do, or if any application be made under any Insolvency Act for the time being in force for the sequestration of his estate or if a trust deed be executed by him for benefit of his creditors; or
- viii) being a company, shall pass a resolution or the Court shall make an order for the winding up of the company, or a receiver or manager on behalf of the debenture holders or otherwise shall be appointed or circumstances shall arise which entitle the Court or debenture holders to appoint a receiver or manager; or
- ix) shall suffer an execution being levied on his goods and allow it to be continued for a period of 21 days; or
- x) assigns, transfers, sublets (engagement of labour on a piece-work basis or of labour with materials not to be incorporated in the work, shall not be deemed to be subletting) or otherwise parts with or attempts to assign, transfer sublet or otherwise parts with the entire works or any portion thereof without the prior written approval of the Accepting Authority;

The Accepting Authority may, without prejudice to any other right or remedy which shall have accrued or shall accrue hereafter to Government, by a notice in writing, cancel the contract as a whole or only such items of work in default from the Contract.

The Employer shall on such cancellation by the Accepting Authority have powers to:

- (a) Take possession of the site and any materials, constructional plant, implements, stores, etc., thereon; and/or
- (b) Carry out the incomplete work by any means at the risk and cost of the contractor.

On cancellation of the contract in full or in part, the Employer shall determine what amount, if any, is

recoverable from the contractor for completion of the works or part of the works or in case the works or part of the works is not to be completed, the loss or damage suffered by Government. In determining the amount, credit shall be given to the contractor for the value of the work executed by him up to the time of cancellation, the value of contractor's materials taken over and incorporated in the work and use of plant and machinery belonging to the contractor.

Any excess expenditure incurred or to be incurred by Government in completing the works or part of the works or the excess loss or damages suffered or may be suffered by Government as aforesaid after allowing such credit shall without prejudice to any other right or remedy available to Government in law be recovered from any moneys due to the contractor on any account, and if such moneys are not sufficient, the contractor shall be called upon in writing and shall be liable to pay the same within 30 days.

If the contractor shall fail to pay the required sum within the aforesaid period of 30 days, the Employer shall have the right to sell any or all of the contractors' unused materials, constructional plant, implements, temporary buildings, etc. and apply the proceeds of sale thereof towards the satisfaction of any sums due from the contractor under the contract and if thereafter there be any balance outstanding from the contractor, it shall be recovered in accordance with the provisions of the contract.

Any sums in excess of the amounts due to Government and unsold materials, constructional plant, etc., shall be returned to the contractor, provided always that if cost or anticipated cost of completion by Government of the works or part of the works is less than the amount which the contractor would have been paid had he completed the works or part of the works, such benefit shall not accrue to the contractor.

8.6 Termination of Contract after Death of Contractor:

Without prejudice to any of the rights or remedies under this contract, if the Contractor dies, the **Director, ICAR-NDRI, Karnal** on behalf of the **President of Indian Council of Agricultural Research** shall have the option of terminating the contract without compensation to the Contractor.

9. DISPUTE RESOLUTION MECHANISM:

Except where otherwise provided in the contract, all questions and disputes relating to the meaning of the specifications, design, drawings and instructions here-in before mentioned and as to the quality of workmanship or materials used on the work or as to any other question, claim, right, matter or thing whatsoever in any way arising out of or relating to the contract, designs, drawings, specifications, estimates, instructions, orders or these conditions or otherwise concerning the works or the execution or failure to execute the same whether arising during the progress of the work or after the cancellation, termination, completion or abandonment thereof shall be dealt with as mentioned hereinafter:

9.1 Dispute Resolution Board

If any dispute arises between the Employer and the Contractor in connection with, or arising out of, the Contract or the execution of the Works, whether during the execution of the Works or after their completion and whether before or after the repudiation or other termination of the Contract, including any disagreement by either party with any action, inaction, opinion, instruction, determination, certificate or valuation of the Engineer, the matter in dispute shall, in the first place, be referred to the dispute resolution board here in after called "the board."

The **board** shall comprise of **members** as defined in the **bidding data**. The board at its discretion may co-opt any other Officer, if in its opinion, it may help in resolving the dispute. Either party may refer a dispute to the Board. The board shall give a decision in writing within 30 days of reference of dispute.

Either party may refer a written decision of the board. If neither party refers the disputes to arbitration within 30 days, the board's decision will be final and binding.

Employer at its discretion may change any of the member of the board.

9.2 Arbitration:

Any dispute in respect of which the recommendation, if any, of the dispute resolution board has not become final and binding shall be finally settled in accordance with the provisions of the Arbitration and Conciliation Act, 1996 or any statutory modifications or re-enactment thereof and the rules made there under and for the time being in force. The arbitrator shall have full power to open up, review and revise any decision, and any recommendation of the conciliator related to the dispute.

A Sole Arbitrator shall be appointed by the appointing authority as defined in contract data within 30 days of receipt of request from either party. If the arbitrator so appointed is unable or unwilling to act or resigns his appointment or vacates his office due to any reason whatsoever, another arbitrator shall be appointed in the manner aforesaid. Such person shall be entitled to proceed with same reference from the stage at which it was left by his predecessor.

It is a term of this contract that the arbitrator shall adjudicate only such disputes as are referred to him by the appointing authority and give separate award against each dispute and claim referred to him and in all cases the arbitrator shall give reasons for the award. If any fees is payable to the arbitrator, these shall be paid equally by both the parties.

It is also a term of the contract that the arbitrator shall be deemed to have entered on the reference on the date he issues notice to both the parties calling them to submit their statement of claims and counterstatement of claims. The venue of the arbitration shall be such place in India as may be fixed by the arbitrator in his sole discretion.

Neither party shall be limited in the proceedings before such arbitrator to the evidence nor did arguments put before the conciliator for the purpose of obtaining its recommendation/decision. No recommendation shall disqualify conciliator or Employer from being called as a witness and giving evidence before the arbitrator on any matter whatsoever relevant to the dispute.

10) MISCELLANEOUS PROVISIONS:

- (i) “Nothing contained in this Contract shall be construed as establishing or creating between the Parties, a relationship of master and servant or principal and agent.
- (ii) Any failure or delay on the part of any Party to exercise right or power under this Contract shall not operate as waiver thereof.
- (iii) The Contractor/Consultant shall notify the Employer/ the Government of India of any material change in their status, in particular, where such change would impact on performance of obligations under this Contract.
- (iv) Each member/constituent of the Contractor/Consultant, in case of a consortium, shall be jointly and severally liable to and responsible for all obligations towards the Employer/Government for performance of works/services including that of its Associates/Sub Contractors under the Contract.
- (v) The Contractor/Consultant shall at all times indemnify and keep indemnified the Employer/Government of India against all claims/damages etc. for any infringement of any Intellectual Property Rights (IPR) while providing its services under the Project.
- (vi) The Contractor/Consultant shall at all times indemnify and keep indemnified the Employer/Government of India against any claims in respect of any damages or compensation payable in consequences of any accident or injury sustained or suffered by its (the Contractor's/Consultant's) employees or agents or by any other third Party resulting from or by any action, omission or operation conducted by or on behalf of the Contractor/Consultant.
- (vii) The Contractor/ Consultant shall at all times indemnify and keep indemnified the Employer/Government of India against any and all claims by Employees, Workman, Contractors, sub-contractors, suppliers, agent(s), employed engaged or otherwise working for the Contractor, in respect of wages, salaries, remuneration, compensation or the like.

- (viii) All claims regarding indemnity shall survive the termination or expiry of the Contract.
- (ix) It is acknowledged and agreed by all Parties that there is no representation of any type, implied or otherwise, of any absorption, regularization, continued engagement or concession or preference for employment of persons engaged by the (Contractor/Consultant) for any engagement, service or employment in any capacity in any office or establishment of the Government of India or the Employer.

11) LAWS GOVERNING THE CONTRACT:

This contract shall be governed by the Laws of India for the time being in force.

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PART III (B)

GENERAL CONDITIONS OF CONTRACT IN BRIEF

SIMPLE TERMS AND CONDITIONS FOR CONDUCTING WORKS

1. All tools and plants will be arranged by the contractor at his own cost.
2. Work will be carried out under the control of the Maintenance Engineer
3. Work should be started immediately on receipt of the work order.
4. The contractor will be strictly responsible to the true intent of the specifications in regard to the workmanship and the diligent execution of the contract. The contractor shall execute the whole and every part of the work in the most substantial and workman like manner both as regards the materials and otherwise in every respect in strict accordance with the specifications.
5. The contractor shall give or provide all necessary constant and whole time superintendence during the execution of the work.
6. Payment will be made after satisfactory completion of the work. Contractor can claim Running Payment bills also, if applicable.
7. The contractor should submit a bill in duplicate for making the running/final payment.
8. Actual quantities of completed and accepted work shall only be paid.
9. No Claim shall be entertained on account of the increasing price of labour due to any cause whatsoever.
10. If there is any loss to the Institute Property or material supplied to the contractor due to the negligence of the part of the contractor or his worker, the same will be recovered from him.
11. The work may be cancelled at any stage, if the job is not found satisfactory as per the specification of the work order.
12. Director NDRI, reserves the right to cancel the order at any stage without assigning any reason.
13. Any additions/alterations in the scope of work can be done by the Institute at any stage. In case of any dispute, decision of the Director, NDRI will be final.
14. All disputes /litigations, if any, shall be subject to Karnal jurisdiction only.
15. The contractor is required to carry out the work by adopting all the safety measures. In case of any accident to his worker, he will be solely responsible for the loss.
16. The contractor should comply with the provisions/guidelines of all applicable Labour laws.
17. The contractor shall comply with all legal orders and directions given from time to time by any local or public authorities and shall pay out of his own money the fees or charges to which he may be liable.
18. Income Tax etc. as applicable will be deducted from the Contractor's bill.
19. Contractor may apply for the electric connection, if required, and the electricity charges will be borne by the contractor. If the electricity charges are not deposited by the contractor with the NDRI, cashier against Electricity Bill then the same will be deducted from the his bill.
20. Water charges @1% of the total actual cost of the work shall be deducted in case the contractor uses water from the Institute's water resources. The contractor shall make his own arrangements of water connection and laying of pipe line from the existing main source of water supply.
21. Contractor will have to clear the site of work after completion of the job. The concerned contractor will remove all unused material/ malba etc. from the site at his own cost.
22. No claim will be entertained on account of any natural calamity/act of God.
23. In case of any sub-standard work done by the contractor, the decision of the Director, NDRI, Karnal regarding the reduction as well as justification thereof in respect of the rate for sub-standard work, will be final and shall not be open for arbitration.
24. The splashes and droppings of the white washing/colour washing, painting, cement mortar etc., fallen on floor, doors/windows etc. during the execution of work, shall be removed by the contractor and the surface will be cleaned properly after completion of the work at his own cost & arrangement.
25. The contractor shall provide all materials required for the works at his own expense, other than those which are stipulated to be supplied by the Institute/Government.
26. The contractor shall at his risk and cost submit the samples of materials to be tested or analyzed and shall not make use of or incorporate in the work any materials represented by the samples until the required tests or analysis have been made and materials finally accepted by the Engineer-in-charge.
27. The Contractor shall treat all materials obtained during dismantling of any structure at work-site etc. as Government property and all such materials shall be deposited with NDRI as per instructions of the Engineer-in-charge.
28. The contractor shall obtain a valid licence under the Contract Labour (R&A) Act, 1970 and the Contract Labour (Regulation and Abolition) Central Rules 1971, before the commencement of the work, and continue to have a valid license until the completion of the work or deposit an undertaking of exemption from the same as per labour license laws. The contractor shall also abide by the provisions of the Child Labour Act (Prohibition and Regulation) Act1986.

29. The Contractor shall also comply with the provisions of the building and the other Construction workers (Regulation of Employment & Conditions of Service) Act, 1996 and the building and other Construction workers Welfare Cess Act, 1996.
30. Any failure to fulfill these requirements of the contract by the contractor, shall attract the penalty clause of this contract arising out of the resultant non-execution of the work.
31. No child-labour shall be employed by the contractor at the work.
32. The contractor shall pay to labour employed by him either directly or through sub- contractors, wages not less than fair wages as per the provision of the Contract Labour (Regulation and Labour Abolition) Act, 1970 and the contract Labour (Regulation and Abolition) Central Rules, 1971, whichever applicable.
33. The contractor shall, notwithstanding the provisions of any contract to the contrary, cause to be paid fair wages to labour indirectly engaged on the work including any labour engaged by his sub-contractors in connection with the said work in the same manner as if the labour had been immediately employed by him.
34. The Engineer-in-Charge concerned shall have the right to deduct from the moneys due to the contractor any sum required or estimated to be required for making good the loss suffered by a worker or workers by reason of non-fulfillment of any of the condition of the contract for the benefit of the workers, non-payment of wages or of deductions made from his or their wages which are not justified by their terms of the contract or non-observance of the Regulation.
35. The contractor is required to carry out the work by adopting all safety measures and in case of any accident to his manpower the firm will be solely responsible for the loss. The contractor should take valid insurance for workmen compensation in case of any loss to health and life of workers at his own cost. ICAR-NDRI is not liable to pay for any such loss.
36. The department do not guarantee to maintain un-interrupted supply of water and it will be incumbent on the contractor to make alternative arrangements for water at his own cost and arrangement in the event of any temporary breakdown in the government water mains so that the progress of work is not held up for want of water. No claim of damage or refund of water charges will be entertained on account of such break down.
37. The contractor shall maintain the cement register and make daily entries of cement consumption. He will report to the Engineer-in-Charge whenever cement is brought by him for the work at site.
38. The contractor will be responsible for the safe storage of the material issued to him or arranged by him for the work. Any pilferage by him or his worker will be recovered from him and will also be debarred from carrying out any work in the institute in future.
39. The contractor shall keep necessary books of account and other documents for the purpose of inspection as may be necessary and shall allow inspection of the same by a duly authorized representative of the Govt./NDRI and further shall furnish such other information/document as may be required.
40. No Work shall be carried out on Sundays and authorized holiday without the prior approval of the Engineer-in-Charge in writing.

Terms and Conditions of Doing Electrical Works

1. Proper Supervision/Skilled Workmen

The contractor shall be a licensed electrical contractor of appropriate class suitable for execution of the electrical work. He shall engage suitably skilled/ licensed workmen of various categories for execution of work supervised by supervisors / Engineer of appropriate qualification and experience to ensure proper execution of work. They will carry out instructions of Maintenance Engineer and other senior officers of the Department during the progress of work.

2. Use of Quality Materials

Only quality materials of reputed make as specified in the tender will be used in work.

3. Unless and otherwise mentioned in the tender documents, the following works shall be done by the contractor, and

therefore their cost shall be deemed to be included in their tendered cost: -

- (i) Foundations for equipments and components where required, including foundation bolts.
- (ii) Cutting and making good all damages caused during installation and restoring the same to their original finish.
- (iii) Sealing of all floor openings provided by him for pipes and cables, from fire safety point of view, after laying of the same.
- (iv) Painting at site of all exposed metal surfaces of the installation other than pre-painted items like fittings, fans, switchgear/ distribution gear items, cubicle Switchboard etc. Damages to finished surfaces of these items while handling and erection, shall however be rectified to the satisfaction of the Maintenance Engineer.
- (v) Testing and commissioning of completed installation.

4. Electric Power Supply and Water Supply

Unless and otherwise specified, power supply and water supply will be arranged by the contractor at the site for installation purpose. However, for testing purpose, electricity supply will be made available free of cost to the contractor. Contractor will take due care to ensure safety of electrical installation during execution of work.

5. Tools for Handling and Erection

All tools and tackles required for handling of equipments and materials at site of work as well as for their assembly and erection and also necessary test instruments shall be the responsibility of the contractor.

6. All Electrical works shall be carried out in accordance with the provisions of Indian Electricity Act, 2003 and Indian Electricity Rules, 1956 amended up to date (Date of call of tender unless specified otherwise).

7. All materials and equipments supplied by the contractor shall be new. They shall be of such design, size and materials as to satisfactorily function under the rated conditions of operation and to withstand the environmental conditions at site.

PART - IV

TECHNICAL SPECIFICATIONS

Work will be carried out as per CPWD Specifications

Bill Of Quantity

CIVIL PART:-

SCOPE OF WORK:-

- 1 P/Fixing of flush doors against damaged doors 6 No
- 2 P/Fixing of alluminium leaf with wiremesh in windows of rooms
- 3 P/Fof glass glazing in windows by replacing the damaged window glazing .
- 4 P/F of chain link fencing around the total plot area on 3 sides of plot area
- 5 P/Fixing of 1000 ltr PVC water storage tank with other plumbing fitting
- 6 Repair and renovation of damaged plaster of building .

SL. No.	DSR No.	Description	Qty	Unit	Rate	Amount
1	15.7	Demolishing brick work manually/ by mechanical means including stacking of service able material and disposal of unserviceable material within 50 Meter lead as per direction of Engineer-in-charge..				
			15	cum		
1	2	EARTHWORK				
1.1	2.8	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5m in width or 10sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.				
1.1.1	2.8.1	All kind of soil.	12.00	cum		
2.1	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
2.1.1	4.1.10	1:5:10 (1 cement : 5 coarse sand (zone-III) derived from natural sources: 10 graded stone aggregate 40 mm nominal size derived from natural sources).	2.00	cum		
		Cement Concrete				

3	5.1	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement-All work up to plinth level:				
3.1	5.1.3	1:2:4(1cement:2coarsesand (zone-III)derived from natural sources :4gradedstoneaggregate20mm Nominal size derived from natural sources)	10.50	Cum		
4	6	MASONARYWORK				
4.1	6.1	Brick work with common burnt clay F.P.S.(non modular) bricks of class designation7.5infoundation and plinthin:				
4.1.1	6.1.2	Cementmortar1:6(1cement:6 coarse sand)	10.00	cum		
		FINISHINGWORK				
5	13.1	12mmcementplasterofmix:				
5.1	13.1.2	1:6(1cement:6finesand)	20.00	sqm		
5.2	13.2	15 mm cement plaster on the rough side of single or half brick wall of mix :				
5.2.1	13.2.2	1:6(1cement:6finesand)	20	sqm		
5.3	13.86	6 mm plaster on cement concrete or reinforced cement concrete work with white cement based polymer modified self curing mortar of approved make as per the direction of Engineer-In-Charge.	20	sqm		
		PAINTINGWORK				
6		Finishing walls with Acrylic Smooth exterior paint of required shade :				
6.1	13.111.2	Old work (One or more coat applied@ 0.90 ltr/10 sqm).	300	Sqm		
		STEELWORK				
7	10.2	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting,fixing in position and applying a priming coat of approved steel primer all complete.	780.00	Kg		
7.1	10.16	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting,fixining position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.				
7.1.1	10.16.1	Hot finished welded type tubes.	200.00	kg		
		FENCINGWORK				

8	16.70	Providing and fixing G.I. chain link fabric fencing of required width in mesh size 25x25 mm made of G.I.wire of dia 3 mm including strengthening with 2 mm dia wire or nuts, bolts and washers as required complete as per the direction of Engineer-in-charge.	140.00			
		INTERIORPAINTWORK				
8.1	13.81	Distempering with 1st quality acrylic distemper (ready mixed) having VOC (Volatile Organic Compound) content less than 50 gram/ litre, of approved brand and of required shade and colour complete to give an even shade.				
8.1.1	13.81.1	Old work (one or more coats)	500.00	sqm		
9	13.61	Painting with synthetic name paint of approved brand and manufacture to give an even shade :				
9.1	13.61.1	Two or more coat son new work.	100	sqm		
9.2	13.99.1	One or more coats on old work.	140	sqm		
10	4.3.3	Centering and shuttering including strutting, propping etc. and removal of Form work for:				
10.1	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	19.00	sqm		
		GLASSWORK				
12	14.5	Renewing glass panes, with putty and nails wherever necessary including racking out the old putty:				
12.1	14.5.1	Float glass panes of nominal thickness 4 mm (weight not less than 10kg/sqm).	25.00	sqm		
		ALLUMINIUMWINDOWSWORK				
13	M.R	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass/ stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge.				

		Bombay sliding shutters				
13.1	M.R	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket/4"handles/ 4"tower bolt , required etc complete				
14.0	M.R	Powder coated aluminium(minimum thickness of powder coating 50 micron)	250.00	kg		
14.1	M.R	Providing and fixing fly proof galvanized M.S. wire gauge to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm all complete.	22.00	sqm		
		PLUMBINGWORK				
15	18.15.1	Providing and fixing brass bib cock of approved quality :				
15.1		15mmnominalbore	4.00	each		
16		Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :				
16.1		20mmnominalbore	2.00	No		
17	18.32	Constructing masonry Chamber 60x60x75 cm inside, in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for sluice valve, with C.I. surface box 100mm top diameter, 160 mm bottom diameter and 180 mm deep (inside) with chained lid andRCCtopslab1:1.5:3mix(1cement: 1.5 coarse sand : 3 graded stone aggregate 20mm nominal size), i/c necessary excavation, foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick, finished with a floating coat of neat cement complete as per standard design:				
17.1		With common burnt clay F.P.S.(non modular) bricks of class designation	1.00	each		

		7.5				
		WATERSTORAGE				
18		Providing and fixing rectangular high density polyethylene water storage loft tank with cover, conforming to ISI : 12701, colour of opaque white or as approved by Engineer-in-charge. The rate includes making necessary holes for inlet, outlet & over flow pipes. The base supporting / fittings & fixtures for Tank Shall be paid separately.	1000.00	one liter		
		W.CSEAT INDIAN				
19		Providing and fixing water closet squatting pan (Indian type W.C.pan) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS: 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required:				
19.1		White Vitreous china Orissa pattern W.C.pan of size 580x440mm with integral type foot rests	1.00	each		
		Water pipeline work				
20	18.10	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. : Internal work – Exposed on wall.				
20.1	18.10.1	15mm dia. nominal bore	10.00	Metre		
20.2	18.10.2	20mm dia. nominal bore	10.00	metre		
21	9.21	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3ply veneering with Vertical grains or cross band sand face veneers on both faces of shutters:				
21.1	9.21.1	35mm thick including ISI marked Stainless Steel butt hinges with Necessary screws	15.36	Sqm		
22	9.66	Providing and fixing ISI marked oxidised M.S. handles conforming to IS:4992 with necessary screws etc. complete (Copper oxide dasper IS 1378)				
22.1		125mm	16.00	nos		

23	9.74	Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete :				
23.1		200x10mm	8.00	nos		
24	12.41	Providing and fixing on wall face un plasticised Rigid PVC rain water pipes conforming to IS : 13592 TypeA, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion,(i) Single socketed pipes.				
24.1	12.41.2	110mm diameter	10.00	Metre		
25		Providing and fixing on wall face un plasticised - PVC moulded fittings/accessories for un plasticised Rigid PVC rain water pipes conforming to IS 13592 Type A, including jointing with seal ring conforming to IS:5382, leaving 10 Mm gap for thermal expansion.				
25.1		110mm	2.00	nos		
25.1.1		110mm bend	2.00	nos		
26		Providing and fixing brass ferrule with C.I. mouth cover including boring and tapping the main :				
26.1		20mm nominal bore	1.00	each		
		(CIVIL)				

ELECTRICAL PART:-

SCOPE OF WORK:-

1. Rewiring and Wiring of some Light and Power Points.
2. Supplying and Fixing of Cieling Fans and LED Lights.
3. Replacement of old switchs & Sockets.

S.No.	DSR/MR	Description of Items	Qty.	Unit	Amount
1	1.15.2	Rewiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable and 1.5 sq.mm FRLS PVC insulated copper conductor single core cable as earth wire in existing surface/ recessed steel/PVC conduit including dismantling as required. (Wire Make:- Havells /Polycab/Finolex) Group B	5 Point		
2	1.21.1	Supplying and fixing of 20 mm of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.	20 mtr.		
3	1.17.1	Supplying and drawing 1.5 sq. mm of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.	40 mtr.		
4	1.27.5	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required.(Anchor/Havells/Legrand)			
		a) 8 Module	2 nos.		
5	1.24.1	Supply & Fixing of following Modular switch/socket on the existing modular box (Anchor/Havells/Legrand)			
	1.24.4	a) 5/6 amp. Switch	4 nos.		
		b) 3 pin 5/6 amp. Socket outlet	6 nos.		
6	MR	Supply & Fixing of stepped type electronic fan regulator as required (Anchor/L&T/Legrand/Havells)	13 nos.		
7	MR	Supply & Fixing of 5 Amp. piano type switch (existing similar design) in existing switch board after removing the old non funtional switches. (Anchor/L&T/Legrand/Havells/ Equivalent)	20 nos.		
8	MR	Supply & Fixing of 5 Amp. piano type socket (existing similar design) in existing switch board after removing the old non funtional switches. (Anchor/L&T/Legrand/Havells/ Equivalent)	10 nos.		
9	1.14.2	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required. (Wire Make:- Havells /Polycab/Finolex)			

10	MR	a) 2x2.5 sq. mm+ 1x2.5 sq.mm earth wire	10 mtrs		
		Supplying and fixing 3 pin, 5 A ceiling rose on the existing junction box/ wooden block including connections etc. as required.	5 nos.		
11	MR	Supply & Fixing of Heavy Duty Ceiling Fans 1400 mm, white colour, heavy blades on down rod complete as required(Havells/ Polar/ Orient/Bajaj/Usha/Crompton)	13 no.		
12	MR	Supply & Fixing of LED Batten 36/40 watt, 3600 Lumens, 5000 K & above, 4' Length, on surface complete as required (Crompton/ Havells/ Philips/Bajaj/Surya)	26 nos.		
13	MR	Supply & Fixing of LED Downlighters 22/24 watt, 2200 Lumens, 5000 K & above, round shape, on surface complete as required (Crompton/ Havells/ Philips/Bajaj/Surya)	9 nos.		
14	MR	Supply & Fixing of LED Street Lights 45 watt, minimum 4500 Lumens, mini. 5000 K , in existing bracket on wall complete as required (Crompton/ Havells/ philips /Bajaj/Surya/equivalent)	3 nos.		

- Note: - 1 All tax and charges deducted as per rule**
2. All tax and charges to be deducted as per rule G.S.T.@ 18% Included.
3. All tool and plants, scaffolding and safety equipment will be arranged by contractor at his own risk and cost
4. Bidder is advised to visit at site and go through with site requirements before submission of BiD

Sr. No	Item	Approved Make
1	Ordinary Portland Cement	Ambuja, Ultratech, SHREE ULRA ,
2	White Cement	Birla, J.K
3	TMT FE -500/415	Tata, SAIL, RINL (VIZAG), JSW, Essar Steel, Sanghi, Electrotherm Steel, Jindal Steel
4	Structural Rolled Steel sections	Tata, SAIL, RINL

5	Structural Hollow steel sections(Square & Rectangular)	Tata, Asian, Jindal, Surya, Appolo.
6	Structural tubular sections	Tata, Asian, Jindal, Surya, Appolo.
7	Paver blocks	Krishna tiles , block confirm (IS)15658(2006)
8	Shuttering plywood	Kitply, Anchor, Green, Pragati
9	BWP plywood as per – IS - 710	Green, Duro, Century,Silicon(evoke)
10	Commercial Plywood – IS – 303 (BWR/MR)	Green, Duro, Century,harpa
11	Decorative ply (Veneer)	Green, Duro, Century, Silicon(evoke)
12	MDF	Nuwood ,Maftalal, Duratuff. Action Tesa
13	Pre lam particle board	Novapan, Bhutan .(exterior grade only)
14	Laminate sheet	Greenlam, , Sundeck, Bloom , Marino,
15	Cement bonded particle board	NCL (Bison board), Everest (Eternite) Shera
16	Flush door- decorative / non decorative	Green, Duro, Century , EURO,harpa
17	Compact sheet	Vir, Bloom, Formica , Merino , Stylam
18	Locks	Godrej, Dorset, Yale, EPPW, Dorma, Kitch.
19	Float Glass / Mirror	Modi guard, Saint gobain, Ashahi, HNG
19 A	Toughend glass	Modi guard, Saint gobain, Ashahi, HNG
20	MS Rolling shutter	Sarvottam, Suryoday, Gandhi, Sagar
21	Glass Mosaic	Pavit,Italia,Bissaza , Piccolo
22	Glazed tiles	Somany, Vermora, , Kajaria, jhonson, Nitco
23	Ceramic tiles	Somany, Vermora, jhonson Sunheart, Kajaria Nitco
24	Vitrified Tiles	Somany, jhonson, Kajaria Nitco

25	Construction chemicals	M.C. Bauchemie,Fosroc, Sika,Cico, Pidilite, Sika, Krishna conchemical, Ashford, BAL, BASF., Kerakol
26	Joint Filler / silicon paint	Wacker, Dowcorning, Sika, Chokshi, Saudal.
27	Pre-coated steel roofing/ walling sheets	Tata blue scope Interarch, Nippon Dendro (polysteel)Metacolor,
28	Paint, primer	Asian, Berger, dulux
29	Acrylic distemper	1 st class , Asian, Berger, dulux
30	Exterior emulsion	Asian , Berger , dulux , with 7 year warranty
31	putty	Birla , Berger, Asian.j.k
32	Polish	MRF, Asian, ICI, Taralac
33	Door Window & Furniture Hardware	Enox , dorma , godrej , Kitch, EPPW, Dorma, Palladium, Ozon,Magnum, Yale.
34	Adhesives	Fevicol, Kitcol, Araldite, BAL.
35	Anchor fastener / bolts	Hilti. Fischer, Mungo
36	Linseed oil	Saffola, approved from engineer in charge
37	Aluminum sections	Jindal, Hindalco , Gujarat extrusion, Banco
38	Aluminum finish	Color anodized / pure polyester powder coating
39	Window locks cum handle	Alualpha, Giessee or equivalent.
40	Filler rubber of glass panel	EPDM quality only
41	Wool felt/weather strip	Anand, red-diplex ltd or equivalent
42	Rust Remover	Feovert (Krishna Conchem), Roff Rust Clear (Pidilite Industries)
43	Polymer bonding agent	Monobond (Krishna Conchem), Roff Bond
44	Non-shrink grout	Polygrout -HS (Krishna Conchem), Roff Grout GP (Pidilite Industries)

45	Super plasticizer for jacketing	Supercon-100 (Krishna Conchem), RoffPlast 330 / Concrete Master
46	Rebar and Anchor Fasteners	Hilti or Fischer OR Mungo.
47	Acrylic SBR base bonding agent	Mono-bond SBR (Krishna Conchem), CICO, BASF, Pidilite
48	Epoxy Bonding	EPI bond 21 LP (Krishna Conchem), Roff Concrete Bond (Pidilite), Aditya birla chemicals
49	Anti Termite Chemicals	Chloropyriphos/ Biflex TC / lindane/Bayer Crop Science
50	PVC Sleeve	Supreme / Astral / Prince
51	Expansion Board	Capcell HD Board
52	Expansion Joint	Pidilite / Roof/ Laticrete
53	Expansion Joint System	3R as per Item description
54	Water Proofing	BASf/ Fosroc / Sika , Pidilite
55	Overdeck Insulation	BASf/ Fosroc / Sika , Pidilite
56	Tile Chemical	Bal, Laticrite,Kerakoll, somany ,kajaria ,
57	PVC spacer	BAL Endura / Kerakoll / BASF
58	PVC Flooring	Armstrong, Gerflor, Tarkett
59	Self Levelling Chemicals	Ardex / BASF / Cico / Sika
60	Anti bacterial Paint	Sikka / Liquid Plastic/SSK/Viessmann
61	Galvalume roofing sheet	Jindal,Mansha,Eashar
62	Pre coated Sheet	JSW. Fielders, Rama, Shree Precoated,TATA
63	Kota	As per approved sample by Architect/ Client
64	Granite	As per approved sample by Architect/ Client
65	Floor stamping	Ultratech, Vyara, Flexstone or Equivalent
66	WPC door	Alstone , Flexibond or equivalent
67	Toilet cubical	Marino , Greenlam , Metalium , Satylam
68	Roofing shingles	Saint Gobain , Malarkey , Technonicol or equivalent

69	Fiber Cement sheet board	Ecopro, Everest , Shera , CK Birla Group
70	Roof Gutter	Saint Gobain , Malarkey , Technonicol
71	Deckwood	Shera , Indowood , Ecopro , Century

Plumbing items

1	SWR PVC PIPE & FITTINGS 6 KG CM ² ; FITTINGS : 6 KG CM ² ECO. DRAIN PIPE & FITTINGS	FINOLEX /SUPREME/PRINCE/ SUPREME/ ASTRAL,
2	GULLY TRAP	GIRCO / TIRUMALA / SONIA/ SUPREME/ ASTRAL
3	STONE WARE PIPES FOR INTERNAL UNDER GROUND DRAIN PIPE	GIRCO / TIRUMALA / SONIA/Singla Stonewares Moli Ceramics Pvt. Ltd, Adhunik Enterprise, Bharat Gramudyog
4	RCC HUME PIPES EXTERNAL MAIN UNDER GROUND PIPE	INDIAN HUME PIPE / PRANALI
5	C.I. PIPE & FITTINGS	NECO OR EQ.
6	PPR PIPES & PPR FITTINGS	SUREME/PRINCE/ashirwad pipe
7	M.S/G.I. PIPES FOR WATER	TATA / JINDAL/ SWASTIK/ c class pipe
8	ASTM/CPVC PIPE & FITTINGS FOR WATER SUPPLY	ASTRAL / SUPREME/ASHIRWAD
9	COMPOSITE PLUMBI NG PIPE & COMPOSITE FITTINGS	KITEC OR EQ.
10	G.I. PIPES FITTINGS WATER SUPPLY	DRP-M / R-BRAND / ZOLOTO/Ravindra
11	VALVES	AUDCO/ZOLOTO / R.B. / KBL / KSB
12	SANITARY FIXTURES	HINDWARE / PARRYWARE / CERA/KOHLAR/JACQUAR/PLUMBER

PART-VI
SAFETY CODE

1. Suitable scaffolds should be provided for workmen for all works that cannot safely be done from the ground at contractor own cost and arrangement if not taken in b.o.q , or from solid construction except such short period work as can be done safely from ladders. When a ladder is used, an extra mazdoor shall be engaged for holding the ladder and if the ladder is used for carrying materials as well, suitable footholds and hand-hold shall be provided on the ladder and the ladder shall be given an inclination not steeper than $\frac{1}{4}$ to 1($\frac{1}{4}$ horizontal and 1 vertical.)
2. Scaffolding of staging more than 3.6 m (12ft.) above the ground or floor, swung or suspended from an overhead support or erected with stationary support shall have a guard rail properly attached or bolted, braced and otherwise secured at least 90 cm. (3ft.) high above the floor or platform of such scaffolding or staging and extending along the entire length of the outside and ends there of with only such opening as may be necessary for the delivery of materials. Such scaffolding or staging shall be so fastened as to prevent it from swaying from the building or structure.

3. Working platforms, gangways and stairways should be so constructed that they should not sag unduly or unequally, and if the height of the platform or the gangway or the stairway is more than 3.6 m (12ft.) above ground level or floor level, they should be closely boarded, should have adequate width and should be suitably fastened as described in (2) above.
4. Every opening in the floor of a building or in a working platform shall be provided with suitable means to prevent the fall of person or materials by providing suitable fencing or railing whose minimum height shall be 90 cm.(3ft.)
5. Safe means of access shall be provided to all working platforms and other working places. Every ladder shall be securely fixed. No portable single ladder shall be over 9m. (30ft.) in length while the width between side rails in rung ladder shall in no case be less than 29 cm. (11½") for ladder upto and including 3 m. (10 ft.) in length. For longer ladders, this width should be increased at least ¼" for each additional 30 cm. (1 foot) of length. Uniform step spacing of not more than 30 cm shall be kept.

Adequate precautions shall be taken to prevent danger from electrical equipment. No materials on any of the sites or work shall be so stacked or placed as to cause danger or inconvenience to any person or the public. The contractor shall provide all necessary fencing and lights to protect the public from accident and shall be bound to bear the expenses of defense of every suit, action or other proceedings at law that may be brought by any person for injury sustained owing to neglect of the above precautions and to pay any damages and cost which may be awarded in any such suit, action or proceedings to any such person or which may, with the consent of the contractor, be paid to compensate any claim by any such person.

6. Excavation and Trenching - All trenches 1.2 m. (4ft.) or more in depth, shall at all times be supplied with at least one ladder for each 30 m. (100 ft.) in length or fraction thereof Ladder shall extend from bottom of the trench to at least 90 cm. (3ft.) above the surface of the ground. The side of the trenches which are 1.5 m. (5ft.) or more in depth shall be stepped back to give suitable slope or securely held by timber bracing, so as to avoid the danger of sides collapsing. The excavated materials shall not be placed within 1.5 m. (5ft.) of the edges of the trench or half of the depth of the trench whichever is more. Cutting shall be done from top to bottom. Under no circumstances undermining or undercutting shall be done.
7. Demolition -Before any demolition work is commenced and also during the progress of the work,
 - i) All roads and open areas adjacent to the work site shall either be closed or suitably protected
 - ii) No electric cable or apparatus which is liable to be a source of danger or a cable or apparatus used by the operator shall remain electrically charged.

- iii) All practical steps shall be taken to prevent danger to persons employed from risk of fire or explosion or flooding. No floor, roof or other part of the building shall be so overloaded with debris or materials as to render it unsafe.
- 8. All necessary personal safety equipment as considered adequate by the Employer should be kept available for the use of the person employed on the site and maintained in a condition suitable for immediate use, and the contractor should take adequate steps to ensure proper use of equipment by those concerned: - The following safety equipment shall invariably be provided.
 - i) Workers employed on mixing asphaltic materials, cement and lime mortars shall be provided with protective footwear and protective goggles.
 - ii) Those engaged in white washing and mixing or stacking of cement bags or any material which is injurious to the eyes shall be provided with protective goggles.
 - iii) Those engaged in welding works shall be provided with welder's protective eye-shields.
 - iv) Stone breaker shall be provided with protective goggles and protective clothing and seated at sufficiently safe intervals.
 - v) When workers are employed in sewers and manholes, which are in active use, the contractors shall ensure that the manhole covers are opened and ventilated at least for an hour before the workers are allowed to get into the manholes, and the manholes so opened shall be cordoned off with suitable railing and provided with warning signals or boards to prevent accident to the public. In addition, the contractor shall ensure that the following safety measures are adhered to:-
 - a) Entry for workers into the line shall not be allowed except under supervision of the JE or any other higher officer.
 - b) At least 5 to 6 manholes upstream and downstream should be kept open for at least 2 to 3 hours before any man is allowed to enter into the manhole for working inside.
 - c) Before entry presence of Toxic gases should be tested by inserting wet lead acetate paper which changes colour in the presence of such gases and gives indication of their presence.
 - d) Presence of Oxygen should be verified by lowering a detector lamp into the manhole. In case, no Oxygen is found inside the sewer line, workers should be sent only with Oxygen kit.
 - e) Safety belt with rope should be provided to the workers. While working inside the manholes such rope should be handled by two men standing outside to enable him to be pulled out during emergency.
 - f) The area should be barricaded or cordoned off by suitable means to avoid mishaps of any kind. Proper warning signs should be displayed for the safety of the public whenever cleaning works are undertaken during night or day.
 - g) No smoking or open flames shall be allowed near the blocked manhole being cleaned.
 - h) The malba obtained on account of cleaning of blocked manholes and sewer lines should be immediately removed to avoid accidents on account of slippery nature of the malba.
 - i) Workers should not be allowed to work inside the manhole continuously. He should be given rest intermittently. The Employer may decide the time up to which a worker may be allowed to work continuously inside the manhole.
 - j) Gas masks with Oxygen Cylinder should be kept at site for use in emergency.
 - k) Air-blowers should be used for flow of fresh air through the manholes. Whenever called for portable air blowers are recommended for ventilating the manholes. The Motors for these shall be vapour proof and

of totally enclosed type. Non sparking gas engines also could be used but they should be placed at least 2 metres away from the opening and on the leeward side protected from wind so that they will not be a source of friction on any inflammable gas that might be present.

- l) The workers engaged for cleaning the manholes/sewers should be properly trained before allowing working in the manhole.
- m) The workers shall be provided with Gumboots or non sparking shoes bump helmets and gloves non sparking tools safety lights and gas masks and portable air blowers (when necessary). They must be supplied with barrier cream for anointing the limbs before working inside the sewer lines.
- n) Workmen descending a manhole shall try each ladder stop or rung carefully before putting his full weight on it to guard against insecure fastening due to corrosion of the rung fixed to main hole well.
- o) If a man has received a physical injury, he should be brought out of the sewer immediately and adequate medical aid should be provided to him.
- p) The extent to which these precautions are to be taken depend on individual situation but the decision of the Employer regarding these steps to be taken in this regard in an individual case will be final.
- vi) The Contractor shall not employ men and women below the age of 18 years on the work of painting with products containing lead in any form. Wherever men above the age of 18 are employed on the work of lead painting, the following precaution should be taken:-
 - a) No paint containing lead or lead products shall be used except in the form of paste or readymade paint.
 - b) Suitable face masks should be supplied for use by the workers when paint is applied in the form of spray or a surface having lead paint is dry rubbed and scraped.
 - c) Overalls shall be supplied by the contractors to the workmen and adequate facilities shall be provided to enable the working painters to wash during and on the cessation of work.
- 9. The Contractor shall not employ women and men below the age of 18 on the work of painting with product containing lead in any form. Wherever men above the age of 18 are employed on the work of lead painting, the following principles must be observed for such use:
 - (i) White lead, sulphate of lead or product containing these pigment, shall not be used in painting operation except in the form of pastes or paint ready for use.
 - ii) Measures shall be taken, wherever required in order to prevent danger arising from the application of a paint in the form of spray.
 - iii) Measures shall be taken, wherever practicable, to prevent danger arising out of from dust caused by dry rubbing down and scraping.
 - iv) Adequate facilities shall be provided to enable working painters to wash during and on cessation of work.
 - v) Overall shall be worn by working painters during the whole of working period.
 - vi) Suitable arrangement shall be made to prevent clothing put off during working hours being spoiled by painting materials.
 - vii) Cases of lead poisoning and suspected lead poisoning shall be notified and shall be subsequently verified by medical man appointed by the Employer.
 - viii) The Employer may require, when necessary medical examination of workers.
 - ix) Instructions with regard to special hygienic precautions to be taken in the painting trade shall be distributed to working painters.

10. When the work is done near any place where there is risk of drowning, all necessary equipments should be provided and kept ready for use and all necessary steps taken for prompt rescue of any person in danger and adequate provision, should be made for prompt first aid treatment of all injuries likely to be obtained during the course of the work.
11. Use of hoisting machines and tackle including their attachments, anchorage and supports shall conform to the following standards or conditions:-
 - i) (a) These shall be of good mechanical construction, sound materials and adequate strength and free from patent defects and shall be kept repaired and in good working order.
 - (b) Every rope used in hoisting or lowering materials or as a means of suspension shall be of durable quality and adequate strength, and free from patent defects.
 - i) Every crane driver or hoisting appliance operator shall be properly qualified and no person under the age of 21 years should be in charge of any hoisting machine including any scaffolding winch or give signals to operator.
 - ii) In case of every hoisting machine and of every chain ring hook, shackle swivel and pulley block used in hoisting or as means of suspension, the safe working load shall be ascertained by adequate means. Every hoisting machine and all gear referred to above shall be plainly marked with the safe working load. In case of a hoisting machine having a variable safe working load each safe working load and the condition under which it is applicable shall be clearly indicated. No part of any machine or any gear referred to above in this paragraph shall be loaded beyond the safe working load except for the purpose of testing.
 - iii) In case of departmental machines, the safe working load shall be notified by the Electrical Employer. As regards contractor's machines the contractors shall notify the safe working load of the machine to the Employer whenever he brings any machinery to site of work and get it verified by the Electrical Engineer concerned.
12. Motors, gearing, transmission, electric wiring and other dangerous parts of hoisting appliances should be provided with efficient safeguards. Hoisting appliances should be provided with such means as will reduce to the minimum the risk of accidental descent of the load. Adequate precautions should be taken to reduce to the minimum the risk of any part of a suspended load becoming accidentally displaced. When workers are employed on electrical installations which are already energized, insulating mats, wearing apparel, such as gloves, sleeves and boots as may be necessary should be provided. The worker should not wear any rings, watches and carry keys or other materials which are good conductors of electricity.
13. All scaffolds, ladders and other safety devices mentioned or described herein shall be maintained in safe condition and no scaffold, ladder or equipment shall be altered or removed while it is in use. Adequate washing facilities should be provided at or near places of work.
14. These safety provisions should be brought to the notice of all concerned by display on a notice board at a prominent place at work spot. The person responsible for compliance of the safety code shall be named therein by the contractor.
15. To ensure effective enforcement of the rules and regulations relating to safety precautions the arrangements made by the contractor shall be open to inspection by the Labour Officer or Employer of the department or their representatives.
16. Notwithstanding the above clauses from (1) to (15) there is nothing in these to exempt the contractor from the operations of any other Act or Rule in force in the Republic of India.

Part VI

(b) PERFORMANCE SECURITY

To:
The Hon'ble Director,
National Dairy Research Institute (ICAR),
Karnal – 132 001 (Haryana)

WHEREAS _____ (name and address of contractor) (hereinafter called "the contractor") has undertaken, in pursuance of contract _____ No. _____ date _____ to execute the following works;-

I _____ (name of contract and brief description of works) (hereinafter called "the contract") at ICAR-NDRI, Karnal -132 001 (Haryana)

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 or 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 Defects Liability Period.

Signature and seal of the guarantor

Name of Bank _____

Address _____

Date _____

1. An amount shall be inserted by the Guarantor, representing the percentage of the contract Price specified in the contract and denominated in Indian Rupees.

Annexure -I

BID SECURITY DECLARATION

The Director,
ICAR-NDRI,
Karnal.

Ref: Tender for “**Repair and Renovation of model Dairy center building of ICAR-NDRI at Pesar U.P.**”

Dear Sir

I/ We hereby agree to deposit the security money as per the norms. If I/We fail to furnish the prescribed performance security within the prescribed period or I/We withdraw or modify the bid during the period of validity etc., I will be suspended for the time specified in the tender documents or as decided by the competent authority of ICAR-NDRI Karnal.

Signature of the
Contractor
Postal Address

Dated_____

Annexure -II

TENDER ACCEPTANCE LETTER

The Director,
ICAR-NDRI,
Karnal.

Ref: Tender for **Repair and Renovation of model Dairy center building of ICAR-NDRI at Pusa U.P**

Dear Sir,

I /We have read and examined the invitation for bid, Bidding data, Specifications applicable. Drawings & Designs, Conditions of Contract, clauses of contract, Special conditions, Schedule of Rate & other documents and Rules referred to in the conditions of contract and all other contents in the Bidding document for the work.

I / We hereby tender for the execution of the work specified for the President of India within the time specified in Bidding data, viz., schedule of quantities and in accordance in all respects with the specifications, designs, drawings and instructions given in guidelines to Bidders and in Clause 4.1 of the Conditions of contract and with such material as are provided for, by, and in respects in accordance with, such conditions so far as applicable.

We agree to keep the tender open for sixty (60) days from the date of submission thereof and not to make any modifications in its terms and conditions. If I fail to commence work as specified, I /We agree that President of India or his successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the performance guarantee absolutely.

I /We hereby declare that I /we shall treat the Bidding documents drawings and other records connected with the work as secret/confidential documents and shall not communicate information derived there from to any person other than a person to whom I/we am/are authorized to communicate the same or use the information in any manner prejudicial to the safety of the State.

Signature of the Contractor
Postal Address

Dated_____

Annexure -III

SELF-DECLARATION – NO BLACKLISTING

The Director,
ICAR-NDRI,
Karnal.

Ref: Tender for **Repair and Renovation of model Dairy center building of ICAR-NDRI at Pusa U.P**

Dear Sir,

I/ We hereby declare that presently our Company/ firm

_____ is having unblemished record and is not declared ineligible for corrupt & fraudulent practices either indefinitely or for a particular period of time by any State/ Central Government/ PSU/Autonomous Body. We further declare that presently our Company/ firm _____ is not blacklisted/ debarred and not declared ineligible for reasons other than corrupt & fraudulent practices by any State/ Central Government/ PSU/ Autonomous Body on the date of Bid Submission. If this declaration is found to be incorrect then without prejudice to any other action that may be taken, my/ our security may be forfeited in full and the tender if any to the extent accepted may be cancelled.

Thanking you,

Yours
faithfully,

Date.....

Place.....

Signature.....

Name.....

Seal of the organization

Annexure -IV

SELF-DECLARATION – NO BLOOD RELATION

The Director,
ICAR-NDRI,
Karnal.

Ref: Tender for **Repair and Renovation of model Dairy center building of ICAR-NDRI at Pusa U.P**

Dear Sir,

I/ We hereby declare that no near relative is posted as Accountant or as an officer in any capacity as Engineer involved in the procurement and execution of work cited above. If this declaration is found to be incorrect then without prejudice to any other action that may be taken, I may be debarred from tendering for any breach of this condition.

Thanking you,

Yours faithfully,

Date.....

Place.....

Signature.....

Name.....

Seal of the
organization

Annexure -V

UNDERTAKING REGARDING WRONG INFORMATION

The Director,
ICAR-NDRI,
Karnal.

Ref: Tender for **Repair and Renovation of model Dairy center building of ICAR-NDRI at Pusa U.P**

Dear Sir,

I/ We hereby declare that if the information/declaration/scanned documents furnished in respect of eligibility criteria are found to be wrong or misleading at any stage, the firm will be liable to punitive action

Thanking you,

Yours faithfully,

Date.....

Place.....

Signature.....

Name.....

organization Seal of the

Annexure -VI

DECLARATION – REGISTRATION WITH LABOUR DEPARTMENT

The Director,
ICAR-NDRI,
Karnal.

Ref: Tender for **Repair and Renovation of model Dairy center building of ICAR-NDRI at Pusar U.P**

Dear Sir/Madam,

I/ We hereby declare that I do not need labour registration certification because I have not

employed on any day of preceding 12 months ten or more workers in any building repair or construction work.

Thanking you,

Yours faithfully,

Date.....

Place.....

Signature.....

Name.....

Seal of the
organization

Annexure –VII

DECLARATION – EXECUTION OF ELECTRICAL WORK

The Director,
ICAR-NDRI,
Karnal.

Ref: Tender for **Repair and Renovation of model Dairy center building of ICAR-NDRI at Pusa U.P.**

Dear Sir/Madam,

I/ We hereby declare that the electrical work shall be carried out by the associated contractor having valid Electrical License in appropriate class and I shall submit a MOU regarding conducting of Electrical work at the time of agreement.

Thanking You,

Yours
faithfully,

Date.....

Place.....

Signature.....

Name.....

Seal of the organization