

Tender
For
Supply, Installation, Testing and
Commissioning of stage lighting & stage
furnishing for Auditorium
At
AIIMS, Jodhpur

NIT No.	AIIMS-JDH/EE/CIVIL/2016-17/Audi/01
NIT Issue Date	26-08-2016
Pre-bid Meeting	02-09-2016 at 03:00 PM
Last Date of Submission	19-09-2016 at 03:00 PM.



All India Institute of Medical Sciences, Jodhpur

Basni Phase - II, Jodhpur – 342005, Rajasthan
Telephone: 0291- 2740532, email: ee@aiimsjodhpur.edu.in
www.aiimsjodhpur.edu.in

ALL INDIA INSTITUTE OF MEDICAL SCIENCE, JODHPUR

NOTICE INVITING TENDER

01	Name of work	Supply, installation, testing and commissioning of stage lighting & stage furnishing for Auditorium at AIIMS, Jodhpur.
02	Tender No.	AIIMS-JDH/EE/CIVIL/2016-17/Audi/01
03	Contract period	03 months
04	Estimated Cost	Rs. 1,98,01,427/-
05	Earnest money deposit	Rs. 3,96,000/-
06	Performance Security	5% of Contract value
07	Security Deposit	5% of the Contract value
08	Cost of tender Fees (Non-refundable)	Rs.1,000/- (Rupees One thousand only)
09	Tender documents	Download from www.aiimsjodhpur.edu.in , https://eprocure.gov.in and tenders.gov.in
10	Pre-bid meeting	02th September, 2016, 03:00 PM at Committee room, Administration Block, Medical College, AIIMS, Jodhpur.
11	Last date and time, place of submission	19 th September, 2016, 03:00 PM at Administration Block, Medical College, AIIMS, Jodhpur.
12	Date time and place of tender opening of technical bid.	19 th September, 2016, 03:30 PM in the Committee room, Medical College, AIIMS, Jodhpur

Please read carefully the notes given with the tender Notice.

Executive Engineer (Civil)
AIIMS, Jodhpur

ALL INDIA INSTITUTE OF MEDICAL SCIENCE, JODHPUR

**Name of Work: - Supply, Installation, Testing And Commissioning of
Stage Lighting & Stage Furnishing For Auditorium At AIIMS,
Jodhpur**

C O N T E N T

1. Tender Notice.
2. General rules and directions, conditions of contract, safety codes, model rules, labor regulations and proforma of registers.
3. Schedule A to F
4. Special condition of Contract.
5. Annexure A to D
6. Additional conditions of contract
7. Schedule of Quantities.
8. Concept Drawing.

ALL INDIA INSTITUTE OF MEDICAL SCIENCE, JODHPUR

DATE 26.08.2016

TENDER NOTICE NO: AIIMS-JDH/EE/CIVIL/2016-17/Audi/01

1. Item rate / Sealed tenders are invited by Executive Engineer (Civil), AIIMS Jodhpur , for and on behalf of Director, AIIMS, Jodhpur from approved & eligible contractors & those of appropriate class of CPWD, MES, BRO, BSNL, Railway & state government department for the following work at AIIMS Jodhpur -342005 (Rajasthan).
2. Name of work: **Supply, Installation, Testing and Commissioning of Stage Lighting & Stage Furnishing For Auditorium At AIIMS, Jodhpur.**
3. Estimated Cost :**Rs 1,98,01,427/- (Rupees One Crore ninety eight lakhs one thousand four hundred twenty seven only)**
4. Earnest Money Deposit (EMD) : **Rs 3,96,000/- (Rupees Three lakhs ninety six thousand only)**
5. Cost of Tender (Non Refundable) : **Rs 1000/- (Rupees One thousand only)**
6. Period of Completion : **90 days**
7. Defect liability period : **01 year**
8. Period of Validity of Tender **90 days** from the date of opening of the tender.
9. a) Tender document may be downloaded from **www.aiimsjodhpur.edu.in, https://eprocure.gov.in and tenders.gov.in** from : **26.08.2016**
b) Pre –Bid conference: **02-09-2016 at 1500 Hrs.**
10. Last date & time for tender submission: **19.09.2016 at 1500 Hrs.**
11. Date & time of opening of tender (Technical Bid) in presence of attending tenders : **19.09.2016 at 1530 Hrs.**
12. The bidder shall be required to submit the Earnest Money Deposit (EMD) by way of demand drafts or bank guarantee only. The demand drafts or bank guarantee shall be drawn in favour of “**All India Institute of Medical Sciences, Jodhpur**”. The demand drafts or bank guarantee for earnest money deposit must be enclosed in the envelope containing the technical bid. The EMD of the successful bidder shall be returned after the successful submission of Bank Guarantee/ Security Deposit and for unsuccessful bidder(s) it would be returned after award of the contract. Bid(s) received without demand drafts or bank guarantee of EMD will be rejected.
13. In case the last date of sale / of receipt of tender / of opening the tender is declared as Holidays, the respective dates shall be treated as postponed to be next working day accordingly.
14. **Preparation and Submission of Tender:** The tender should be submitted in two parts i.e. Technical Bid and Financial Bid. The Technical Bid and the Financial Bid should be sealed by the bidder in two separate covers “Technical Bid for Supply, Installation, Testing and Commissioning of Stage Lighting & Stage Furnishing For Auditorium At AIIMS, Jodhpur” and “Financial Bid for Supply, Installation, Testing

and Commissioning of Stage Lighting & Stage Furnishing For Auditorium At AIIMS, Jodhpur”. Both Sealed Envelopes should be kept in a main/ bigger envelope superscribed as “Tender for Supply, Installation, Testing and Commissioning of Stage Lighting & Stage Furnishing For Auditorium At AIIMS, Jodhpur”.

15. Criteria of eligibility:

Contractor who fulfil following requirement shall be eligible to apply. Joint ventures are not accepted:

- a. Contractor should have registration with Govt. / Semi Govt. organization like railways, PWD, CPWD, BRO, MES etc. in appropriate class and / or having experience in carrying out similar jobs.
- b. Should have satisfactorily completed the similar works as mentioned below during the last seven years ending 31.07.2016. (Annexure B)

Note: Completion certificate to be attached.

“Similar works mean Supply, Installation, Testing and Commissioning of Stage Lighting & Stage Furnishing For Auditorium”

(a) Three similar auditorium works, whose sitting capacity should not be less than 360 or Two similar auditorium works, whose sitting capacity should not be less than 540 or one similar auditorium works, whose sitting capacity should not be less than 720 in last 7 years ending 31.07.2016.

- c. Should have average annual financial turnover of Rs. 2,00,00,000/- during the immediate last three consecutive financial years ending 31.03.2016. Profit and Loss statement or latest Income Tax return filed with IT department. (Annexure C)

16. Performance guarantee equal to 5% of the contract value is required to be submitted within **07** days from the date of issue of notification of award.

17. Security deposit equal to 5% of the contract value will be deducted from running account bill of the contractor.

18. List of Documents to be submitted along with the technical bid:

- i) Proof of registration
- ii) Demand Draft / FDR/ Bank guarantee of any scheduled bank against tender cost.
- iii) Demand Draft / FDR/ Bank guarantee of any scheduled bank against EMD.
- iv) Annexure Form A to D duly filled and signed.
- v) Completion certificate for similar work from Client department.
- vi) Certificate of Registration for Sales Tax/VAT and acknowledgement of up to date filed return if required.
- vii) **All pages of the Tender should be numbered and indexed.**
- viii) **Bidder shall submit a copy of the tender document and addenda thereto, if any, with each page of this document should be signed and stamped to confirm the acceptance of the entire terms & conditions as mentioned in the tender enquiry document.**

19. Information and Instruction for Contractors for tendering forming part of NIT and to be posted on website.

20. Information and instruction for Contractor will form part of NIT.

21. Late offers will not be accepted.

22. The bidders are requested to visit site and get familiarized with local condition before submission of tenders.

23. Right to issue and to accept or reject any or all tenders without assigning any reason thereof is reserved by the Competent Authority.

**Executive Engineer (Civil)
AIIMS, Jodhpur**

ALL INDIA INSTITUTE OF MEDICAL SCIENCE, JODHPUR

TENDER NOTICE NO: AIIMS-JDH/EE/CIVIL/2016-17/Audi/01

Item Rate Bid for works:

- a) Tender for **SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF STAGE LIGHTING & STAGE FURNISHING FOR AUDITORIUM AT AIIMS, JODHPUR**
- b) To be submitted by **3:00 PM on 19th September, 2016** to Administrative office, AIIMS, Jodhpur
- c) To be opened in presence of tenderers who may be present at **03:30 PM on 19th September 2016** in the Committee Room, AIIMS, Jodhpur

T E N D E R

I/we have read and examined the notice inviting tender, schedule A, B, C, D, E & F, Specifications applicable, drawings and designs, General rules and directions, Conditions of contract, clauses of contract, Special Conditions, Additional conditions Schedule of Rates and other documents and rules referred to in the condition of contract and all other contains in the tender 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 the Schedule 'F', viz., Schedule of quantities and in accordance in all respects with the specifications, designs, drawings and instructions in writing referred to in Rule-1 of General Rules and Directions and in Clause 11 of the Conditions of Contract and with such materials 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 ninety (90) days from the due date of its opening of technical bid and not to make any modification in its terms and conditions.

A sum of Rs. 3,96,000/- is hereby forwarded in cash/receipt treasury challan/deposit at call receipt of a scheduled bank/fixed deposit receipt of scheduled bank/demand draft of a scheduled bank/bank guarantee issued by a scheduled bank as earnest money. A copy of earnest money in receipt treasury challan/deposit at call receipt of a scheduled bank/fixed deposit receipt of scheduled bank/demand draft of a scheduled bank/bank guarantee issued by a scheduled bank is scanned and uploaded (strike out as the case may be). If I/We, fail to furnish the prescribed performance guarantee within prescribed period, I/We agree that the said President of India or his successors, in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/We fail to commence work as specified, I/We agree that President of India or the successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said performance guarantee absolutely. The said Performance Guarantee shall be a guarantee to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of the tender form. Further, I/We agree that in case of forfeiture of Earnest Money or Performance Guarantee as aforesaid, I/We shall be debarred for participation in the re-tendering process of the work. I/We undertake and confirm that eligible similar work(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/We shall be debarred for tendering in **AIIMS, Jodhpur** in future forever. Also, if such a violation comes to the notice of Department

before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee. I/We hereby declare that I/We shall treat the tender documents drawings and other records connected with the work as secret/confidential documents and shall not communicate information/derived therefrom 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.

Dated

Signature of Contractor

Witness:

Postal Address

Address:

Occupation:

GENERAL RULES & DIRECTIONS

General Rules & Directions

1. All work proposed for execution by contract will be notified in a form of invitation to tender pasted in public places and signed by the officer inviting tender or by publication in Newspapers or posted on website as the case may be.

This form will state the work to be carried out, as well as the date for submitting and opening tenders and the time allowed for carrying out the work, also the amount of earnest money to be deposited with the tender, and the amount of the security deposit and Performance guarantee to be deposited by the successful tenderer and the percentage, if any, to be deducted from bills. Copies of the specifications, designs and drawings and any other documents required in connection with the work signed for the purpose of identification by the officer inviting tender shall also be open for inspection by the contractor at the office of officer inviting tender during office hours.

2. In the event of the tender being submitted by a firm, it must be signed separately by each partner thereof or in the event of the absence of any partner, it must be signed on his behalf by a person holding a power-of attorney authorizing him to do so, such power of attorney to be produced with the tender, and it must disclose that the firm is duly registered under the Indian Partnership Act, 1952.
3. Receipts for payment made on account of work, when executed by a firm, must also be signed by all the partners, except where contractors are described in their tender as a firm, in which case the receipts must be signed in the name of the firm by one of the partners, or by some other person having due authority to give effectual receipts for the firm.

Applicable for Item Rate Tender only (CPWD - 8)

4. 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 paise and considering more than fifty paise as rupee one.

In case the lowest tendered amount (worked out on the basis of quoted rate of Individual items) of two or more contractors is same, then such lowest contractors may be asked to submit sealed revised offer quoting rate of each item of the schedule of quantity for all sub sections/sub heads as the case may be, but the revised quoted rate of each item of schedule of quantity for all sub sections/sub heads should not be higher than their respective original rate quoted already at the time of submission of tender. The lowest tender shall be decided on the basis of revised offer.

If the revised tendered amount (worked out on the basis of quoted rate of individual items) of two or more contractors received in revised offer is again found to be equal, then the lowest tender, among such contractors, shall be decided by draw of lots in the presence of SE of the circle, EE(s) in-charge of major & minor component(s) (also DDH in case Horticulture work is also included in the tender), EE(P) or EE(HQ) of the circle and the lowest contractors those have quoted equal amount of their tenders.

In case of any such lowest contractor in his revised offer quotes rate of any item more than their respective original rate quoted already at the time of submission of tender, then such revised offer shall be treated invalid. Such case of revised offer of the lowest contractor or case of refusal to submit revised offer by the lowest contractor shall be treated as withdrawal of his tender before acceptance and 50% of his earnest money shall be forfeited.

In case all the lowest contractors those have same tendered amount (as a result of their quoted rate of individual items), refuse to submit revised offers, then tenders are to be recalled after forfeiting 50% of EMD of each lowest contractors.

Contractor, whose earnest money is forfeited because of non-submission of revised offer, or quoting higher revised rate(s) of any item(s) than their respective original rate quoted already at the time of submission of his bid shall not be allowed to participate in the retendering process of the work.

Applicable for Percentage Rate Tender only (CPWD-7)

4.A. In case of Percentage Rate Tenders, contractor shall fill up the usual printed form, stating at what percentage below/above (in figures as well as in words) the total estimated cost given in Schedule of Quantities at Schedule-A, he will be willing to execute the work. The tender submitted shall be treated as invalid if:-

1. The contractor does not quote percentage above/below on the total amount of tender or any section/sub head of the tender.
2. The percentage above/below is not quoted in figures & words both on the total amount of tender or any section/sub head of the tender.
3. The percentage quoted above/below is different in figures & words on the total amount of tender or any section/sub head of the tender.

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.

4B. In case the lowest tendered amount (estimated cost \pm amount worked on the basis of percentage above/below) of two or more contractors is same, such lowest contractors will be asked to submit sealed revised offer in the form of letter mentioning percentage above/ below on estimated cost of tender including all sub sections/sub heads as the case may be, but the revised percentage quoted above/below on tendered cost or on each sub section/ sub head should not be higher than the percentage quoted at the time of submission of tender. The lowest tender shall be decided on the basis of revised offers.

In case any of such contractors refuses to submit revised offer, then it shall be treated as withdrawal of his tender before acceptance and 50% of earnest money shall be forfeited.

If the revised tendered amount of two more contractors received in revised offer is again found to be equal, the lowest tender, among such contractors, shall be decided by draw of lots in the presence of SE of the circle, EE(s) in-charge of major & minor component(s) (also DDH in case Horticulture work is also included in the tender), EE(P) or EE(HQ) of the circle & the lowest contractors those have quoted equal amount of their tenders.

In case all the lowest contractors those have quoted same tendered amount, refuse to submit revised offers, then tenders are to be recalled after forfeiting 50% of EMD of each contractor.

Contractor(s), whose earnest money is forfeited because of non-submission of revised offer, shall not be allowed to participate in the re-tendering process of the work.

5. The officer inviting tender or his duly authorized assistant will open tenders in the presence of any intending contractors who may be present at the time, and will enter the amounts of the several tenders in a comparative statement in a suitable form. In the event of a tender being accepted, a receipt for the earnest money shall thereupon be given to the contractor who shall thereupon for the purpose of identification sign copies of the specifications and other documents mentioned in Rule-I. In the event of a tender being rejected, the earnest money shall thereupon be returned to the contractor remitting the same, without any interest.
6. The officer inviting tenders shall have the right of rejecting all or any of the tenders and will not be bound to accept the lowest or any other tender.
7. The receipt of an accountant or clerk for any money paid by the contractor will not be considered as any acknowledgment or payment to the officer inviting tender and the contractor shall be responsible for seeing that he procures a receipt signed by the officer inviting tender or a duly authorized Cashier.
8. The memorandum of work tendered for and the schedule of materials to be supplied by the department and their issue-rates, shall be filled and completed in the office of the officer inviting tender before the tender form is issued. If a form is issued to an intending tenderer without having been so filled in and incomplete, he shall request the officer to have this done before he completes and delivers his tender.
9. The tenderers shall sign a declaration under the officials Secret Act 1923, for maintaining secrecy of the tender documents drawings or other records connected with the work given to them. The unsuccessful tenderers shall return all the drawings given to them.
- 9A Use of correcting fluid, anywhere in tender document is not permitted.
Such tender is liable for rejection.

Applicable for Item Rate Tender only (CPWD - 8)

10. In the case of Item Rate Tenders, only 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.

Applicable for percentage Rate Tender only (CPWD - 7)

- 10.A. In case of Percentage Rate Tenders only percentage quoted shall be considered. Any tender containing item rates is liable to be rejected. Percentage quoted by the contractor in percentage rate tender shall be accurately filled in figures and words, so that there is only (CPWD - 7) no discrepancy.
11. In the case of any tender where unit rate of any item/items appear unrealistic, such tender will be considered as unbalanced and in case the tenderer is unable to provide satisfactory explanation, such a tender is liable to be disqualified and rejected.

Applicable for Item Rate Tender only (CPWD - 8)

12. All rates shall be quoted on the tender form. The amount for each item should be App 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 'Rs.' 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 precede and the word 'Paise' should be written at the end. Unless the rate is in whole rupees and followed by the word 'only' it should invariably be upto 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.

Applicable for Percentage Rate Tender only (CPWD - 7)

- 12 A. In Percentage Rate Tender, the tenderer shall quote percentage below/above (in figures as well as in words) at which he will be willing to execute the work. He shall also work out the total amount of his offer and the same should be written in figures as well as in words in such a way that no interpolation is possible. In case of figures, the word 'Rs.' should be written before the figure of rupees and word 'P' after the decimal figures, e.g. 'Rs. 2.15P' and in case of words, the word 'Rupees' should precede and the word 'Paisa' should be written at the end.

13. (i) The Contractor whose tender is accepted will be required to furnish performance guarantee of 5% (Five Percent) of the tendered amount within the period specified in Schedule F. This guarantee shall be in the form of cash (in case guarantee amount is less than Rs. 10,000/-) or Deposit at call receipt of any scheduled bank/Banker's cheque of any scheduled bank/Demand Draft of any scheduled bank/Pay order of any scheduled bank (in case guarantee amount is less than Rs. 1,00,000/-) or Government Securities or Fixed Deposit Receipts or Guarantee Bonds of any Scheduled Bank or the State Bank of India in accordance with the prescribed form.
(ii) The contractor whose tender is accepted will also be required to furnish by way of Security Deposit for the fulfillment of his contract, an amount equal to 5% of the tendered value of the work. The Security deposit will be collected by deductions from the running bills as well as final bill of the contractor at the rates mentioned above. The Security amount will also be accepted in cash or in the shape of Government Securities. Fixed Deposit Receipt of a Scheduled Bank or State Bank of India will also be accepted for this purpose provided confirmatory advice is enclosed.
14. On acceptance of the tender, the name of the accredited representative(s) of the contractor who would be responsible for taking instructions from the Engineer-in-Charge shall be communicated in writing to the Engineer-in-Charge.
15. Sales-tax/VAT (except service tax), purchase tax, turnover tax or any other tax applicable in respect of this contract shall be payable by the Contractor and Government will not entertain any claim whatsoever in respect of the same. However, in respect of service tax, same shall be paid by the contractor to the concerned department on demand and it will be reimbursed to him by the Engineer-in-Charge after satisfying that it has been actually and genuinely paid by the contractor.
16. The contractor shall give a list of both gazetted and non-gazetted C.P.W.D. employees related to him.
17. The tender for the work shall not be witnessed by a contractor or a contractor who himself/ themselves has/have tendered or who may and has/have tendered for the same work. Failure to observe this condition would render, tenders of the contractors tendering, as well as witnessing the tender, liable to summary rejection.
18. The tender for composite work includes, in addition to building work, all other works such as sanitary and water supply installations drainage installation, electrical work, horticulture work, roads and paths etc. The tenderer apart from being a registered contractor (B&R) of appropriate class, must associate himself with agencies of appropriate class which are eligible to tender for sanitary and water supply drainage, electrical and horticulture works in the composite tender.
19. The contractor shall comply with the provisions of the Apprentices Act 1961, and the rules and orders issued thereunder from time to time. If he fails to do so, his failure will be a breach of the contract and the Superintending Engineer/Executive Engineer may in his discretion, without prejudice to any other right or remedy available in law, 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

Name of work	Name and particulars of Divne where work is being executed	Value of work	Position of works in progress	Remarks
1.	2.	3.	4.	5.

20. The contractor shall comply with the provisions of the Apprentices Act 1961, and the rules and orders issued thereunder from time to time. If he fails to do so, his failure will be a breach of the contract and the Superintending Engineer/Executive Engineer may in his discretion, without prejudice to any other right or remedy available in law, 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.

CONDITIONS OF CONTRACT

Definitions

21. The Contract means the documents forming the tender and acceptance thereof and the formal agreement executed between the competent authority on behalf of the President of India and the Contractor, together with the documents referred to therein including these conditions, the specifications, designs, drawings and instructions issued from time to time by the Engineer-in-Charge and all these documents taken together, shall be deemed to form one contract and shall be complementary to one another.
1. In the contract, the following expressions shall, unless the context otherwise requires, have the meanings, hereby respectively assigned to them:-
- (i) The expression **works** or **work** shall, unless there be something either in the subject or context repugnant to such construction, be construed and taken to mean 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) The **Site** shall mean 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** shall mean the individual, firm or company, whether incorporated or not, undertaking the works and shall include the legal personal representative of such individual or the persons composing such firm or company, or the successors of such firm or company and the permitted assignees of such individual, firm or company.
 - (iv) The **President** means the President of India and his successors.
 - (v) The **Engineer-in-charge** means the Engineer Officer who shall supervise and be incharge of the work and who shall sign the contract on behalf of the President of India as mentioned in Schedule 'F' hereunder.
 - (vi) **Government or Government of India** shall mean the President of India.
 - (vii) **Accepting Authority** shall mean the authority mentioned in Schedule 'F'.
 - (viii) **Excepted Risk** 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, damages 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 Government's faulty design of works.
 - (ix) **Market Rate** shall be the rate as decided by the Engineer-in-Charge 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 Schedule 'F' to cover, all overheads and profits.
 - (x) **Schedule(s)** referred to in these conditions shall mean the relevant schedule(s) annexed to the tender papers or the standard Schedule of Rates of the government mentioned in Schedule 'F' hereunder, with the amendments thereto issued upto the date of receipt of the tender.
 - (xi) **Department** means CPWD or any department of Government of India which invites tenders on behalf of President of India as specified in schedule 'F'.
 - (xii) **District Specifications** means the specifications followed by the State Government in the area where the work is to be executed.
 - (xiii) **Tendered value** means the value of the entire work as stipulated in the letter of award.
 - (xiv) **Date of commencement of work:** The date of commencement of work shall be the date of start as specified in schedule 'F' or the first date of handing over of the site, whichever is later, in accordance with the phasing if any, as indicated in the tender document.

Scope and Performance:-

3. 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.
4. 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.
5. The contractor shall be furnished, free of cost one certified copy of the contract documents except standard specifications, Schedule of Rates and such other printed and published documents, together with all drawings as may be forming part of the tender papers. None of these documents shall be used for any purpose other than that of this contract.

Works to be carried out:-

6. 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 (Schedule- A) 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 practice and recognized principles.

Sufficiency of Tender

7. The Contractor shall be deemed to have satisfied himself before tendering as to the correctness and sufficiency of his tender 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

Discrepancies and Adjustment of Errors:-

8. The several documents forming the 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
- 8.1 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) CPWD Specifications.
 - (v) Indian Standard Specifications of B.I.S.

- 8.2 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.
- 8.3 Any error in description, quantity or rate in Schedule of Quantities or any omission therefrom 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.

Signing of Contract:-

9. The successful tenderer/contractor, on acceptance of his tender by the Accepting Authority, shall, within 15 days from the stipulated date of start of the work, sign the contract consisting of:-
- (i) the notice inviting tender, 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.
 - (ii) Standard C.P.W.D. Form as mentioned in Schedule 'F' consisting of:
Various standard clauses with corrections up to the date stipulated in Schedule 'F' along with annexures thereto.
 - (b) C.P.W.D. Safety Code.
Model Rules for the protection of health, sanitary arrangements for workers employed by CPWD or its contractors.
 - (c) CPWD Contractor's Labour Regulations.
 - (d) List of Acts and omissions for which fines can be imposed.
 - (iii) No payment for the work done will be made unless contract is signed by the contractor.

CLAUSES OF CONTRACT

CLAUSE 1

- (i) The contractor shall submit an irrevocable Performance Guarantee of 5% (Five percent) of the tendered amount in addition to other deposits mentioned elsewhere in the contract for his proper performance of the contract agreement, (not withstanding and/or without prejudice to any other provisions in the contract) within period specified in Schedule 'F' from the date of issue of letter of acceptance. This period can be further extended by the Engineer-in-Charge up to a maximum period as specified in schedule 'F' on written request of the contractor stating the reason for delays in procuring the Performance Guarantee, to the satisfaction of the Engineer-in-Charge. This guarantee shall be in the form of Cash (in case guarantee amount is less than Rs. 10,000/-) or Deposit at Call receipt of any scheduled bank/Banker's Cheque of any scheduled bank/Demand Draft of any scheduled bank/Pay Order of any scheduled bank (in case guarantee amount is less than Rs. 1,00,000/-) or Government Securities or Fixed Deposit Receipts or Guarantee Bonds of any Scheduled Bank or the State Bank of India in accordance with the form annexed hereto. In case a fixed deposit receipt of any Bank 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, the loss caused thereby shall fall on the contractor and the contractor shall forthwith on demand furnish additional 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 60 days beyond that. 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, the performance guarantee shall be returned to the contractor, without any interest. However, in case of contracts involving maintenance of building and services/any other work after construction of same building and services/other work, then 50% of Performance Guarantee shall be retained as Security Deposit. The same shall be returned year wise proportionately.
- (iii) The Engineer-in-Charge shall not make a claim under the performance guarantee except for amounts to which the President of India is entitled under the contract (not withstanding and/or without prejudice to any other provisions in the contract agreement) 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 Engineer-in-Charge may claim the full amount of the Performance Guarantee.
 - (b) Failure by the contractor to pay President of India any amount due, either as agreed by the contractor or determined under any of the Clauses/Conditions of the agreement, within 30 days of the service of notice to this effect by Engineer-in-Charge.
- (iv) In the event of the contract being determined or rescinded under provision of any of the Clause/Condition of the agreement, the performance guarantee shall stand forfeited in full and shall be absolutely at the disposal of the President of India.

CLAUSE 1 A

Recovery of Security Deposit:-

The person/persons whose tender(s) may be accepted (hereinafter called the contractor) shall permit Government at the time of making any payment to him for work done under the contract to deduct a sum at the rate of 5% of the gross amount of each running and final bill till the sum deducted will amount to security deposit of 5% of the tendered 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. In case a fixed deposit receipt of any Bank is furnished by the contractor to the Government as part of the security deposit and the Bank is unable to make payment against the said fixed deposit receipt, the loss caused thereby shall fall on the contractor and the contractor shall forthwith on demand furnish additional security to the Government to make good the deficit.

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 therefrom, or from any sums which may be due to or may become due to the contractor by Government 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 Engineer-in-Charge, 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 and the final bill of the contractor at the rates mentioned above.

The security deposit as deducted above can be released against bank guarantee issued by a scheduled bank, on its accumulations to a minimum of Rs. 5 lac subject to the condition that amount of such bank guarantee, except last one, shall not be less than Rs. 5 lac. Provided further that the validity of bank guarantee including the one given against the earnest money shall be in conformity with provisions contained in clause 17 which shall be extended from time to time depending upon extension of contract granted under provisions of clause 2 and clause 5.

In case of contracts involving maintenance of building and services/any other work after construction of same building and services/other work, then 50% of Performance Guarantee shall be retained as Security Deposit. The same shall be returned year wise proportionately.

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 Divisional Officer 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. 274 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.

Note-3: Note 1 & 2 above shall be applicable for both clause 1 and 1A

CLAUSE 2A

Incentive for Early Completion:-

In case, the contractor completes the work ahead of updated stipulated date of completion considering the effect of extra work (to be calculated on pro-rata basis as cost of extra work X stipulated period/tendered cost), a bonus @ 1% (one per cent) of the tendered value per month computed on per day basis, shall be payable to the contractor, subject to a maximum limit of 5% (five per cent) of the tendered value. The amount of bonus, if payable, shall be paid along with final bill after completion of work. Provided always that provision of the Clause 2A shall be applicable only when so provided in 'Schedule F'.

CLAUSE 3

When Contract can be determined:-

Subject to other provisions contained in this clause, the Engineer-in-Charge 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 Engineer-in-Charge 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 unworkman like manner shall omit to comply with the requirement of such notice for a period of seven days thereafter.
- (ii) 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 Engineer-in-Charge (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 Engineer-in-Charge.
- (iii) 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 Engineer-in-Charge.
- (iv) 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 Engineer-in-Charge.
- (v) If the contractor 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.
- (vi) If the contractor 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 Engineer-in-Charge.
- (vii) If the contractor had secured the contract with Government as a result of wrong tendering or other non-bonafide methods of competitive tendering or commits breach of Integrity Agreement.
- (viii) If the contractor 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.
- (ix) 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.

- (x) If the contractor shall suffer an execution being levied on his goods and allow it to be continued for a period of 21 days.
- (xi) If the contractor 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 Engineer -in-Charge.

When the contractor has made himself liable for action under any of the cases aforesaid, the Engineer-in-Charge on behalf of the President of India shall have powers:

- (a) To determine the contract as aforesaid (of which termination notice in writing to the contractor under the hand of the Engineer-in-Charge shall be conclusive evidence). Upon such determination, the 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
- (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 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 Engineer-in-Charge, 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 Engineer-in-Charge 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.

CLAUSE 3A

In case, the work cannot be started due to reasons not within the control of the contractor within 1/8th of the stipulated time for completion of work or one month whichever is higher, either party may close the contract. In case contractor wants to close the contract, he shall give notice to the department stating the failure on the part of department. In such eventuality, the Performance Guarantee of the contractor shall be refunded within following time limits:

- (i) If the Tendered value of work is up to Rs. 45 lac : 15 days.
- (ii) If the Tendered value of work is more than Rs. 45 lac and up to Rs. 2.5 Crore : 21 days.
- (iii) If the Tendered value of work exceeds Rs. 2.5 Crore : 30 days.

If Performance Guarantee is not released within prescribed time limit, then a simple interest @ 0.25% per month shall be payable on Performance Guarantee amount to the contractor from the date of expiry of prescribed time limit.

A compensation for such eventuality, on account of damages etc. shall be payable @ 0.25% of tendered amount subject to maximum limit of Rs. 10 lacs.

CLAUSE-4

Contractor Liable to pay compensation even if action not taken under CLAUSE-3:-

In any case in which any of the powers conferred upon the Engineer-in-Charge by Clause-3 thereof, shall have become exercisable and the same are not exercised, the non-exercise thereof shall not constitute a waiver of any of the conditions hereof and such powers shall notwithstanding be exercisable in the event of any future case of default by the contractor and the liability of the contractor for compensation shall remain unaffected. In the event of the Engineer-in-Charge putting in force all or any of the powers vested in him under the preceding clause he may, if he so desires after giving a notice in writing to the contractor, take possession of (or at the sole discretion of the Engineer-in-Charge which shall be final and binding on the contractor) use as on hire (the amount of the hire money being also in the final determination of the Engineer-in-Charge) all or any tools, plant, materials and stores, in or upon the works, or the site thereof belonging to the contractor, or procured by the contractor and intended to be used for the execution of the work/or any part thereof, paying or allowing for the same in account at the contract rates, or, in the case of these not being applicable, at current market rates to be certified by the Engineer-in-Charge, whose certificate thereof shall be final, and binding on the contractor, clerk of the works, foreman or other authorized agent to remove such tools, plant, materials, or stores from the premises (within a time to be specified in such notice) in the event of the contractor failing to comply with any such requisition, the Engineer-in-Charge may remove them at the contractor's expense or sell them by auction or private sale on account of the contractor and his risk in all respects and the certificate of the Engineer-in-Charge as to the expenses of any such removal and the amount of the proceeds and expenses of any such sale shall be final and conclusive against the contractor.

CLAUSE 5

Time and Extension for Delay:-

The time allowed for execution of the Works as specified in the Schedule 'F' 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 schedule 'F' 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 performance guarantee absolutely.

5.1 As soon as possible after the Contract is concluded, the Contractor shall submit a Time and Progress Chart for each mile stone and get it approved by the Department. The Chart shall be prepared in direct relation to the time stated in the Contract documents for completion of items of the works. 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 Engineer-in-Charge and the Contractor within the limitations of time imposed in the Contract documents, and further to ensure good progress during the execution of the work, the contractor shall in all cases in which the time allowed for any work, exceeds one month (save for special jobs for which a separate programme has been agreed upon) complete the work as per mile stones given in Schedule 'F'.

(a) Project Management shall be done by using project management software for works costing more than Rs. 5 Crore.

(b) The project management shall be done using M.S. Project software for works costing more than Rs. 5 Crore and up to Rs. 20 Crore.

For works costing more than Rs. 20 Crore, project management shall be done using Primavera Software.

PROGRAMME CHART

- (i) The Contractor shall prepare an integrated programme chart in MS Project/Primavera software for the execution of work, showing clearly all activities from the start of work to completion, with details of manpower, equipment and machinery required for the fulfillment of the programme within the stipulated period or earlier and submit the same for approval to the Engineer-in- Charge within ten days of award of the contract. A recovery of Rs. 2500/- (for works costing upto Rs. 20 Crores) / Rs. 5000/- (for works costing more than Rs. 20 Crores) shall be made on per day basis in case of delay in submission of the above programme.
The programme chart should include the following:
 - (a) Descriptive note explaining sequence of the various activities.
 - (b) Network (PERT / CPM / BAR CHART).
 - (c) Programme for procurement of materials by the contractor.
- (ii) Programme of procurement of machinery / equipments having adequate capacity, commensurate with the quantum of work to be done within the stipulated period, by the contractor. In addition to above, to achieve the progress of Work as per programme, the contractor must bring at site adequate shuttering material required for cement concrete and R.C.C. works etc. for three floors within one month from the date of start of work till the completion of RCC work as per requirement of work. The contractor shall submit shuttering schedule adequate to complete structure work within laid down physical milestone.
- (iii) If at any time, it appears to the Engineer-in-Charge that the actual progress of work does not conform to the approved programme referred above or after rescheduling of milestones, the contractor shall produce a revised programme within 7 (seven) days, showing the modifications to the approved programme to ensure timely completion of the work. The modified schedule of programme shall be approved by the Engineer in Charge. A recovery of Rs. 2500/- (for works costing upto Rs. 20 Crores) / Rs. 5000/- (for works costing more than Rs. 20 Crores) shall be made on per day basis in case of delay in submission of the modified programme.
- (iv) The submission for approval by the Engineer-in-Charge of such programme or such particulars shall not relieve the contractor of any of the duties or responsibilities under the contract. This is without prejudice to the right of Engineer-in-Charge to take action against the contractor as per terms and conditions of the agreement.
- (v) The contractor shall submit the progress report using MS Project/Primavira software with base line programme referred above for the work done during previous month to the Engineer-in-charge on or before 5th day of each month failing which a recovery Rs. 2500/ - (for works costing upto Rs. 20 Crores) / Rs. 5000/- (for works costing more than Rs. 20 Crores) shall be made on per day basis in case of delay in submission of the monthly progress report.

5.2 If the work(s) be delayed by:-

- (i) force majeure, or
- (ii) abnormally bad weather, or
- (iii) serious loss or damage by fire, or
- (iv) civil commotion, local commotion of workmen, strike or lockout, affecting any of the trades employed on the work, or
- (v) delay on the part of other contractors or tradesmen engaged by Engineer-in- Charge in executing work not forming part of the Contract, or
- (vi) non-availability of stores, which are the responsibility of Government to supply or
- (vii) non-availability or break down of tools and Plant to be supplied or supplied by Government or
- (viii) Any other cause which, in the absolute discretion of the Engineer-in-Charge is beyond the Contractor's control.

then upon the happening of any such event causing delay, the Contractor shall immediately give notice thereof in writing to the authority as indicated in Schedule 'F' 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 Engineer-in-Charge to proceed with the works.

5.3 Request for rescheduling of Mile stones 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 to the authority as indicated in Schedule 'F'. The Contractor may also, if practicable, indicate in such a request the period for which extension is desired.

5.4 In any such case the authority as indicated in Schedule 'F' may give a fair and reasonable extension of time and reschedule the mile stones for completion of work. Such extension or rescheduling of the milestones shall be communicated to the Contractor by the authority as indicated in Schedule 'F' in writing, within 3 months or 4 weeks of the date of receipt of such request respectively. Non application by the contractor for extension of time/ rescheduling of the milestones shall not be a bar for giving a fair and reasonable extension/ rescheduling of the milestones by the authority as indicated in Schedule 'F' and this shall be binding on the contractor.

CLAUSE 6

Measurements of Work Done:-

Engineer-in-Charge 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-in-Charge 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-in-Charge 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-in-Charge or his representative, the Engineer-in-Charge and the Department 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-in-Charge 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 Engineer-in-Charge 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 Engineer-in-Charge 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 Engineer-in-Charge'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.

Engineer-in-Charge or his authorized representative may cause either themselves or through another officer of the department to check the measurements recorded by contractor 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 checking and/or test checking the measurements of any item of work in the measurement book and/or its payment in the interim, on account of 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.

CLAUSE 7

No payment shall be made for work, estimated to cost Rs. Twenty thousand 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. Twenty thousand, 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 Engineer-in-Charge. 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 the amount specified in Schedule 'F', in which case the interim bill shall be prepared on the appointed date of the month after the requisite progress is achieved. Engineer-in-Charge 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-in-Charge 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 Engineer-in-Charge certifying the sum to which the contractor is considered entitled by way of interim payment at such rates as decided by the Engineer-in-Charge. The amount admissible shall be paid by 10th working day after the day of presentation of the bill by the Contractor to the Engineer-in-Charge or his Asstt. 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 Engineer-in-Charge, the period of ten working days will be extended to fifteen working days. In case of delay in payment of intermediate bills after 45 days of submission of bill by the contractor provided the bill submitted by the contractor found to be in order, a simple interest @ 7.5% per annum shall be paid to the contractor from the date of expiry of prescribed time limit which will be compounded on yearly basis.

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 Engineer-in-Charge 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 Engineer-in-Charge 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 department 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.

Payment in composite contract:-

The Engineer-in-Charge in his sole discretion on the basis of a certificate from the Asstt. Engineer to the effect that the work has been completed up to the level in question make interim advance payments without detailed measurements for work done (other than foundations, items to be covered under finishing items) up to lintel level (including sunshade etc.) and slab level, for each floor working out at 75% of the assessed value. The advance payments so allowed shall be adjusted in the subsequent interim bill by taking detailed measurements thereof.

In case of composite tenders, running payment for the major component shall be made by EE of major discipline to the main contractor. Running payment for minor component shall be made by the Engineer-in-Charge of the discipline of minor component directly to the main contractor.

Completion Certificate and completion plans:-

In case main contractor fails to make the payment to the contractor associated by him within 15 days of receipt of each running account payment, then on the written complaint of contractor associated for such minor component, Engineer in charge of minor component shall serve the show cause to the main contractor and if reply of main contractor either not received or found unsatisfactory, he may make the payment directly to the contractor associated for minor component as per the terms and conditions of the agreement drawn between main contractor and associate contractor fixed by him.

Such payment made to the associate contractor shall be recovered by Engineer-in-charge of major or minor component from the next R/A/ final bill due to main contractor as the case may be.

CLAUSE 8

Within ten days of the completion of the work, the contractor shall give notice of such completion to the Engineer-in-Charge and within thirty days of the receipt of such notice, the Engineer-in-Charge 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 Engineer-in-Charge. 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 Engineer-in-Charge 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.

CLAUSE 8A

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 Engineer-in- Charge 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 Engineer-in-Charge shall give ten day's notice in writing to the contractor.

CLAUSE 8B

Completion plans to be submitted by the Contractor:-

The contractor shall submit completion plan as required vide General Specifications for Electrical works (Part-I internal) 2005 and (Part-II External) 1994 as applicable within thirty days of the completion of the work.

In case, the contractor fails to submit the completion plan as aforesaid, he shall be liable to pay a sum equivalent to 2.5% of the value of the work subject to a ceiling of Rs.15,000 (Rs. Fifteen thousand only) as may be fixed by the Superintending Engineer concerned and in this respect the decision of the Superintending Engineer shall be final and binding on the contractor.

The contractor shall submit completion plan for water, sewerage and drainage line plan within thirty days of the completion of the work.

In case, the contractor fails to submit the completion plan as aforesaid, , the department will get it done through other agency at his cost and actual expenses incurred plus Rs. 15,000/-for the same shall be recovered from the contractor.

CLAUSE 9

(Payment of final bill)

The final bill shall be submitted by the contractor in the same manner as specified in interim bills within three months of physical completion of the work or within one month of the date of the final certificate of completion furnished by the Engineer-in-Charge 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 Engineer-in-Charge, will, as far as possible be made within the period specified hereinunder, the period being reckoned from the date of receipt of the bill by the Engineer-in-Charge or his authorized Asstt. Engineer, complete with account of materials issued by the Department and dismantled materials.

(i) If the Tendered value of work is up to Rs. 45 lac : 2 months (ii) If the Tendered value of work is more than Rs.45 lac and up to Rs. 2.5 Crore : 3 months (iii) If the Tendered value of work exceeds Rs. 2.5 Crore : 6 months

In case of delay in payment of final bills after prescribed time limit, a simple interest @ 7.5% per annum shall be paid to the contractor from the date of expiry of prescribed time limit which will be compounded on yearly basis, provided the final bill submitted by the contractor found to be in order.

CLAUSE 9A

Payments due to the contractor may, if so desired by him, be made to his bank, registered financial, co-operative or thrift societies or recognized financial institutions instead of direct to him provided that the contractor furnishes to the Engineer-in-Charge (1) an authorization in the form of a legally valid document such as a power of attorney conferring authority on the bank; registered financial, co-operative or thrift societies or recognized financial institutions to receive payments and (2) his own acceptance of the correctness of the amount made out as being due to him by Government or his signature on the bill or other claim preferred against Government before settlement by the Engineer-in-Charge of the account or claim by payment to the bank, registered financial, co-operative or thrift societies or recognized financial institutions. While the receipt given by such banks; registered financial, co-operative or thrift societies or recognized financial institutions shall constitute a full and sufficient discharge for the payment, the contractor shall whenever possible present his bills duly receipted and discharged through his bank, registered financial, co-operative or thrift societies or recognized financial institutions.

Nothing herein contained shall operate to create in favour of the bank; registered financial, co-operative or thrift societies or recognized financial institutions any rights or equities visa-vis the President of India.

CLAUSE 10

(Materials supplied by the Government):-

Materials which Government will supply are shown in Schedule 'B' which also stipulates quantum, place of issue and rate(s) to be charged in respect thereof. The contractor shall be bound to procure them from the Engineer-in-Charge.

As soon as the work is awarded, the contractor shall finalize the programme for the completion of work as per clause 5 of this contract and shall give his estimates of materials required on the basis of

drawings/or schedule of quantities of the work. The Contractor shall give in writing his requirement to the Engineer-in-Charge which shall be issued to him keeping in view the progress of work as assessed by the Engineer-in-Charge, in accordance with the agreed phased programme of work indicating monthly requirements of various materials. The contractor shall place his indent in writing for issue of such materials at least 7 days in advance of his requirement.

Such materials shall be supplied for the purpose of the contract only and the value of the materials so supplied at the rates specified in the aforesaid schedule shall be set off or deducted, as and when materials are consumed in items of work (including normal wastage) for which payment is being made to the contractor, from any sum then due or which may therefore become due to the contractor under the contract or otherwise or from the security deposit. At the time of submission of bills, the contractor shall certify that balance of materials supplied is available at site in original good condition.

The contractor shall submit along with every running bill (on account or interim bill) materialwise reconciliation statements supported by complete calculations reconciling total issue, total consumption and certified balance (diameter/section-wise in the case of steel) and resulting variations and reasons therefore. Engineer-in-Charge shall (whose decision shall be final and binding on the contractor) be within his rights to follow the procedure of recovery in clause 42 at any stage of the work if reconciliation is not found to be satisfactory.

The contractor shall bear the cost of getting the material issued, loading, transporting to site, unloading, storing under cover as required, cutting assembling and joining the several parts together as necessary. Notwithstanding anything to the contrary contained in any other clause of the contract and (or the CPWA Code) all stores/materials so supplied to the contractor or procured with the assistance of the Government shall remain the absolute property of Government and the contractor shall be the trustee of the stores/materials, and the said stores/materials shall not be removed/disposed off from the site of the work on any account and shall be at all times open to inspection by the Engineer-in-Charge or his authorized agent. Any such stores/materials remaining unused shall be returned to the Engineer-in-Charge in as good a condition in which they were originally supplied at a place directed by him, at a place of issue or any other place specified by him as he shall require, but in case it is decided not to take back the stores/materials the contractor shall have no claim for

compensation on any account of such stores/materials so supplied to him as aforesaid and not used by him or for any wastage in or damage to in such stores/materials.

On being required to return the stores/materials, the contractor shall hand over the stores/ materials on being paid or credited such price as the Engineer-in-Charge shall determine, having due regard to the condition of the stores/materials. The price allowed for credit to the contractor, however, shall be at the prevailing market rate not exceeding the amount charged to him, excluding the storage charge, if any. The decision of the Engineer-in-Charge shall be final and conclusive. In the event of breach of the aforesaid condition, the contractor shall in addition to throwing himself open to account for contravention of the terms of the licenses or permit and/or for criminal breach of trust, be liable to Government for all advantages or profits resulting or which in the usual course would have resulted to him by reason of such breach. Provided that the contractor shall in no case be entitled to any compensation or damages on account of any delay in supply or non-supply thereof all or any such materials and stores provided further that the contractor shall be bound to execute the entire work if the materials are supplied by the Government within the original scheduled time for completion of the work plus 50% thereof or schedule time plus 6 months whichever is more if the time of

completion of work exceeds 12 months, but if a part of the materials only has been supplied within the aforesaid period, then the contractor shall be bound to do so much of the work as may be possible with the materials and stores supplied in the aforesaid period. For the completion of the rest of the work, the contractor shall be entitled to such extension of time as may be determined by the Engineer-in-Charge whose decision in this regard shall be final and binding on the contractor.

The contractor shall see that only the required quantities of materials are got issued. Any such material remaining unused and in perfectly good/original condition at the time of completion or determination of the contract shall be returned to the Engineer-in-Charge at the stores from which it was issued or at a place directed by him by a notice in writing. The contractor shall not be entitled for loading, transporting, unloading and stacking of such unused material except for the extra lead, if any involved, beyond the original place of issue.

CLAUSE 10A

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 Government. The contractor shall, at his own expense and without delay, supply to the Engineer-in-Charge 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 Engineer-in-Charge furnish proof, to the satisfaction of the Engineer-in-Charge that the materials so comply. The Engineer-in-Charge 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 Engineer-in-Charge for c required to be tested in accordance with specifications, approval of the Engineer-in-Charge 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 Engineer-in-Charge. 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 Engineer-in-Charge 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 Engineer-in-Charge and bear all charges and cost of testing unless specifically provided for otherwise elsewhere in the contract or specifications. The Engineer-in-Charge 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 Engineer-in-Charge 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 Engineer-in-Charge 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 Engineer-in-Charge shall also have full powers to require other proper materials to be substituted thereof and in case of default, the Engineer-in-Charge may cause the same to be supplied and all costs which may attend such removal and substitution shall be borne by the Contractor.

The contractor shall at his own expense, provide a material testing lab at the site for conducting routine field tests. The lab shall be equipped at least with the testing equipment as specified in schedule F.

CLAUSE 10B

Secured Advance on Non-perishable Materials

- (i) The contractor, on signing an indenture in the form to be specified by the Engineer-in-Charge, shall be entitled to be paid during the progress of the execution of the work up to 90% of the assessed value of any materials which are in the opinion of the Engineer-in-Charge 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 Engineer-in-Charge provided the contractor provides a comprehensive insurance cover for the full cost of such materials. The decision of the Engineer-in-Charge 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.

Mobilization Advance

- (xii) Mobilization advance not exceeding 10% of the tendered value may be given, if requested by the contractor in writing within one month of the order to commence the work. Such advance shall be in two or more installments to be determined by the Engineer-in-Charge at his sole discretion. The first installment of such advance shall be released by the Engineer-in-charge to the contractor on a request made by the contractor to the Engineer-in-Charge in this behalf. The second and subsequent installments shall be released by the Engineer- in- Charge only after the contractor furnishes a proof of the satisfactory utilization of the earlier installment to the entire satisfaction of the Engineer-in-Charge.

Before any installment of advance is released, the contractor shall execute a Bank Guarantee Bond from Scheduled Bank for the amount equal to 110% of the amount of advance and valid for the contract period. This (Bank Guarantee from Scheduled Bank for the amount equal to 110% of the balance amount of advance) shall be kept renewed from time to time to cover the balance amount and likely period of complete recovery.

Provided always that provision of Clause 10 B (ii) shall be applicable only when so provided in 'Schedule F'

Plant Machinery & Shuttering Material Advance

- (xiii) An advance for plant, machinery & shuttering material required for the work and brought to site by the Contractor may be given if requested by the contractor in writing within one month of bringing such plant and machinery to site. Such advance shall be given on such plant and machinery which in the opinion of the Engineer-in-charge will add to the expeditious execution of work and improve the quality of work. The amount of advance shall be restricted to 5% percent of the tender value. In the case of new plant and equipment to be purchased for the work, the advance shall be

restricted to 90% of the price of such new plant and equipment paid by the contractor for which the contractor shall produce evidence satisfactory to the Engineer-in-Charge. In the case of second hand and used plants and equipment, the amount of such advance shall be limited to 50% of the depreciated value of plant and equipment as may be decided by the Engineer-in-Charge. The contractor shall, if so required by the Engineer-in-Charge, submit the statement of value of such old plant and equipment duly approved by a Registered Valuer recognized by the Central Board of Direct Taxes under the Income- Tax Act, 1961. No such advance shall be paid on any plant and equipment of perishable nature and on any plant and equipment of a value less than Rs. 50,000/- Seventy five per cent of such amount of advance shall be paid after the plant & equipment is brought to site and balance twenty five percent on successfully commissioning the same.

Leasing of equipment shall be considered at par with purchase of equipment and shall be covered by tripartite agreement with the following:

1. Leasing company which gives certificate of agreeing to lease equipment to the contractor.
2. Engineer in Charge, and
3. The contractor.

This advance shall further be subject to the condition that such plant and equipment (a) are considered by the Engineer-in-Charge to be necessary for the works; (b) and are in working order and are maintained in working order; (c) hypothecated to the Government as specified by the Engineer-in-Charge before the payment of advance is released. The contractor shall not be permitted to remove from the site such hypothecated plant and equipment without the prior written permission of the Engineering- Charge. The contractor shall be responsible for maintaining such plant and equipment in good working order during the entire period of hypothecation failing which such advance shall be entirely recovered in lump sum. For this purpose, steel scaffolding and form work shall be treated as plant and equipment.

Interest & Recovery

The contractor shall insure the Plant and Machinery for which mobilization advance is sought and given, for a sum sufficient to provide for their replacement at site. Any amounts not recovered from the insurer will be borne by the contractor.

The mobilization advance and plant and machinery advance in (ii) & (iii) above bear simple interest at the rate of 10 per cent per annum and shall be calculated from the date of payment to the date of recovery, both days inclusive, on the outstanding amount of advance. Recovery of such sums advanced shall be made by the deduction from the contractors bills commencing after first ten per cent of the gross value of the work is executed and paid, on pro-rata percentage basis to the gross value of the work billed beyond 10% in such a way that the entire advance is recovered by the time eighty per cent of the gross value of the contract is executed and paid, together with interest due on the entire outstanding amount up to the date of recovery of the installment.

If the circumstances are considered reasonable by the Engineer-in-Charge, the period mentioned in (ii) and (iii) for request by the contractor in writing for grant of mobilization advance and plant and equipment advance may be extended in the discretion of the Engineer-in-Charge

CLAUSE 10C

Payment on Account of Increase in Prices/Wages due to Statutory Order(s)

If after submission of the tender, the price of any material incorporated in the works (excluding the materials covered under Clause 10CA and not being a material supplied from the Engineer-in-Charge's stores in accordance with Clause 10 thereof) and/or wages of labour increases as a direct result of the coming into force of any fresh law, or statutory rule or order (but not due to any changes of rate in sales tax/VAT, Central/State Excise/Custom Duty) beyond the prices/wages prevailing at the time of the last stipulated date of receipt of tenders including extensions, if any, for the work during contract period including the justified period extended under the provisions of clause 5 of the contract without any action under clause 2, then the amount of the contract shall accordingly be varied and provided further that any such increase shall be limited to the price/wages prevailing at the time of updated stipulated date of completion considering effect of extra work (extra time to be calculated on prorata basis only as cost of extra work x stipulated period/tendered amount).

If after submission of the tender, the price of any material incorporated in the works (excluding the materials covered under Clause 10CA and not being a material supplied from the Engineer-in-Charge's stores in accordance with Clause 10 thereof) and/or wages of labour as prevailing at the time of last stipulated date of receipt of tender including extensions, if any, is decreased as a direct result of the coming into force of any fresh law or statutory rules or order (but not due to any changes of rate in sales tax/VAT, Central/State Excise/Custom Duty), Government shall in respect of materials incorporated in the works (excluding the materials covered under Clause 10CA and not being material supplied from the Engineer-in-Charge's stores in accordance with Clause 10 hereof) and/or labour engaged on the execution of the work after the date of coming into force of such law statutory rule or order be entitled to deduct from the dues of the contractor, such amount as shall be equivalent to the difference between the prices of the materials and/or wages as prevailed at the time of the last stipulated date for receipt of tenders including extensions if any for the work and the prices of materials and/or wages of labour on the coming into force of such law, statutory rule or order. This will be applicable for the contract period including the justified period extended under the provisions of clause 5 of the contract without any action under clause 2.

Engineer-in-Charge may call books of account and other relevant documents from the contractor to satisfy himself about reasonability of increase in prices of materials and wages.

The contractor shall, within a reasonable time of his becoming aware of any alteration in the price of any such materials and/or wages of labour, give notice thereof to the Engineer-in-Charge stating that the same is given pursuant to this condition together with all information relating thereto which he may be in position to supply.

For this purpose, the labour component of the work executed during period under consideration shall be the percentage as specified in Schedule F, of the value of work done during that period and the increase/decrease in labour shall be considered on the minimum daily wages in rupees of any unskilled adult male mazdoor, fixed under any law, statutory rule or order.

CLAUSE 10 CA

Payment due to variation in prices of materials after receipt of tender

If after submission of the tender, the price of materials specified in Schedule F increases/decreases beyond the base price(s) as indicated in Schedule F for the work, then the amount of the contract shall accordingly be varied and provided further that any such variations shall be

effected for stipulated period of Contract including the justified period extended under the provisions of Clause 5 of the Contract without any action under Clause 2.

However for work done/during the justified period extended as above, it will be limited to indices prevailing at the time of updated stipulated date of completion considering the effect of extra work (extra time to be calculated on pro-rata basis only as cost of extra work x stipulated period/tendered cost).

The increase/decrease in prices of cement, steel reinforcement, structural steel and POL shall be determined by the Price indices issued by the Director General, CPWD. For other items provided in the Schedule 'F', this shall be determined by the All India Wholesale Price Indices of materials as published by Economic Advisor to Government of India, Ministry of Commerce and Industry. Base price for cement, steel reinforcement, structural steel and POL shall be as issued under the authority of Director General CPWD applicable for Delhi including Noida, Gurgaon, Faridabad & Ghaziabad and for other places as issued under the authority of Zonal Chief Engineer, CPWD and base price of other materials issued by concerned Zonal chief Engineer and as indicated in Schedule 'F'. In case, price index of a particular material is not issued by Ministry of Commerce and Industry, then the price index of nearest similar material as indicated in Schedule 'F' shall be followed.

The amount of the contract shall accordingly be varied for all such materials and will be worked out as per the formula given below for individual material:-

Adjustment for component of individual material

$$V = P \times Q \times \frac{CI - CI_0}{CI_0}$$

where,

V = Variation in material cost i.e. increase or decrease in the amount of rupees to be paid or recovered.

P = Base Price of material as issued under authority of DG, CPWD or concerned Zonal Chief Engineer and as indicated in Schedule "F".

For Projects and Original Works

Q = Quantity of material brought at site for bonafide use in the works since previous bill excluding any such quantity consumed in the deviated quantity of items beyond deviation limit and extra /substituted item, paid/to be paid at rates derived on the basis of market rate under clause 12.2.

For Maintenance Works

Q = Quantity of material brought at site for bonafide use in the works since previous bill including any such quantity consumed in the deviated quantity of items beyond deviation limit paid at agreement rate and extra /substituted item being scheduled items, but excluding non-schedule extra /substituted item paid/to be paid at market rate under clause 12.2.

CI₀ = Price index for cement, steel reinforcement bars structural steel and POL as issued by the DG, CPWD and corresponding to the time of base price of respective material indicated in Schedule 'F'. For other items, if any, provided in Schedule 'F', All India Wholesale Price Index for the material as published by the Economic Advisor to Government of India, Ministry of Industry and Commerce and corresponding to the time of base price of respective material indicated in Schedule 'F'.

CI = Price index for cement, steel reinforcement bars, structural steel and POL as issued under the authority of DG, CPWD for period under consideration. For other items, if any, provided in Schedule 'F', All India Wholesale Price Index for the material for period under consideration as published by Economic Advisor to Government of India, Ministry of Industry and Commerce.

Payment due to Increase/Decrease in Prices/Wages (excluding materials covered under clause 10 CA) after Receipt of Tender for Works

Note: (i) In respect of the justified period extended under the provisions of clause 5 of the contract without any action under clause 2, the index prevailing at the time of updated stipulated date of completion considering the effect of extra work (extra time to be calculated on prorata basis only as cost of extra work x stipulated period/ tendered cost) shall be considered.

Provided always that provisions of the preceding Clause 10 C shall not be applicable in respect of Materials covered in this Clause.

(ii) If during progress of work or at the time of completion of work, it is noticed that any material brought at site is in excess of requirement, then amount of escalation if paid earlier on such excess quantity of material shall be recovered on the basis of cost indices as applied at the time of payment of escalation or as prevailing at the time of effecting recovery, whichever is higher.

(iii) Cement mentioned wherever in this clause includes Cement component used in RMC brought at site from outside approved RMC plants, if any.

(iv) The date wise record of ready mix concrete shall be kept in a register and the cement consumption for the same shall be calculated accordingly.

(v) If built-up steel items are brought at site from workshop, then the variation shall be paid for the structural steel up to the period when the built up item/finished product is brought at site.

CLAUSE 10 CC

If the prices of materials (not being materials supplied or services rendered at fixed prices by the department in accordance with clause 10 & 34 thereof) and/or wages of labour required for execution of the work increase, the contractor shall be compensated for such increase as per provisions detailed below and the amount of the contract shall accordingly be varied, subject to the condition that that such compensation for escalation in prices and wages shall be available only for the work done during the stipulated period of the contract including the justified period extended under the provisions of clause 5 of the contract without any action under clause 2. However, for the work done during the justified period extended as above, the compensation as detailed below will be limited to prices/wages prevailing at the time of updated stipulated date of completion considering the effect of extra work (extra time to be calculated on pro-rata basis only as cost of extra work x stipulated period/tendered cost). No such compensation shall be payable for a work for which the stipulated period of completion is equal to or less than the time as specified in Schedule F. Such compensation for escalation in the prices of materials and labour, when due, shall be worked out based on the following provisions:-

(i) The base date for working out such escalation shall be the last stipulated date of receipt of tenders including extension, if any.

(ii) The cost of work on which escalation will be payable shall be reckoned as below:

- (a) Gross value of work done up to this quarter:
- (b) Gross value of work done up to the last quarter:
- (c) Gross value of work done since previous quarter (A-B)

- (d) Full assessed value of Secured Advance (excluding materials Covered under Clause 10 CA) fresh paid in this quarter:
- (e) Full assessed value of Secured Advance (excluding materials Covered under Clause 10 CA) recovered in this quarter:
- (f) Full assessed value of Secured Advance for which escalation Payable in this quarter (D-E)

- (g) Advance payment made during this quarter:
- (h) Advance payment recovered during this quarter:
- (i) Advance payment for which escalation is payable in this Quarter(G-H):
- (j) Extra items/deviated quantities of items paid as per Clause 12

Based on prevailing market rates during this quarter:

Then, $M = C+F+I-J$

$$N = 0.85 M$$

(k) Less cost of material supplied by the department as per Clause 10 and recovered during the quarter

(l) Less cost of services rendered at fixed charges as per Clause 34 and recovered during the quarter

(L)

Cost of work for which escalation is applicable:

$$W = N - (K + L)$$

(iii) Components for materials (except cement, reinforcement bars, structural steel, POL or other materials covered under clause 10 CA) labour, etc. shall be pre-determined for every work and incorporated in the conditions of contract attached to the tender papers included in Schedule 'F'. The decision of the Engineer-in-Charge in working out such percentage shall be binding on the contractors.

(iv) The compensation for escalation for other materials (excluding cement, reinforcement bars, structural steel, POL or other materials covered under clause 10 CA) shall be worked as per the formula given below:-

(a) Adjustment for civil component (except cement, structural steel, reinforcement bars, POL and other materials covered under clause 10CA) / electrical component of construction 'Materials'

$$V_m = W \times \frac{X_m}{100} \times \frac{MI - MI_o}{MI_o}$$

$V_m =$	Variation in material cost i.e. increase or decrease in the amount in rupees to be paid or recovered.
W	= Cost of Work done worked out as indicated in sub-para (ii) of Clause 10CC.
X_m	= Component of 'materials' (except cement, structural steel, reinforcement bars POL and other materials covered under clause 10CA) expressed as percent of the total value of work.
MI	= All India Wholesale Price Index for civil component/electrical component* of construction material as worked out on the basis of All India Wholesale

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Price Index for Individual Commodities/ Group Items for the period under consideration as published by Economic Advisor to Govt. of India, Ministry of Industry & Commerce and applying weightages to the Individual Commodities/Group Items. (In respect of the justified period extended under the provisions of clause 5 of the contract without any action under clause 2, the index prevailing at the time of updated stipulated date of completion considering the effect of extra work (extra time to be calculated

on prorata basis only as cost of extra work x stipulated period/tendered cost, shall be considered.)

$MI_0 =$ All India Wholesale Price Index for civil component/electrical component* of construction material as worked out on the basis of All India Wholesale Price Index for Individual Commodities/Group Items valid on the last stipulated date of receipt of tender including extension, if any, as published by the Economic Advisor to Govt. of India, Ministry of Industry & Commerce and applying weightages to the Individual Commodities/Group items.

***Note:** relevant component only will be applicable.

- (v) The following principles shall be followed while working out the indices mentioned in para (iv) above.
- (a) The compensation for escalation shall be worked out at quarterly intervals and shall be with respect to the cost of work done as per bills paid during the three calendar months of the said quarter. The dates of preparation of bills as finally entered in the Measurement Book by the Assistant Engineer/ date of submission of bill finally by the contractor to the department in case of computerised measurement books shall be the guiding factor to decide the bills relevant to the quarterly interval. The first such payment shall be made at the end of three months after the month (excluding the month in which tender was accepted) and thereafter at three months' interval. At the time of completion of the work, the last period for payment might become less than 3 months, depending on the actual date of completion.
- (b) The index (MI/FI etc.) relevant to any quarter/period for which such compensation is paid shall be the arithmetical average of the indices relevant to the three calendar months. If the period up to date of completion after the quarter covered by the last such installment of payment, is less than three months, the index MI and FI shall be the average of the indices for the months falling within that period.

(vi) The compensation for escalation for labour shall be worked out as per the formula given below:-

VL: Variation in labour cost i.e. amount of increase or decrease in rupees to be paid or recovered

W : Value of work done, worked out as indicated in sub-para (ii) above.

Y : Component of labour expressed as a percentage of the total value of the work,

- LI : Minimum wage in rupees of an unskilled adult male mazdoor, fixed under any law, statutory rule or order as applicable on the last date of the quarter previous to the one under consideration. (In respect of the justified period extended under the provisions of clause 5 of the contract without any action under clause 2, the minimum wage prevailing on the last date of quarter previous to the quarter pertaining to updated stipulated date of Completion considering the effect of extra work (extra time to be calculated on prorata basis only as cost of extra work x stipulated period/tendered cost, shall be considered.) of quarter previous to the quarter pertaining to updated stipulated date of Completion considering the effect of extra work (extra time to be calculated on prorata basis only as cost of extra work x stipulated period/tendered cost, shall be considered.)
- LI₀: Minimum daily wage in rupees of an unskilled adult male mazdoor, fixed under any law, statutory rule or order as on the last stipulated date of receipt of tender including extension, if any.

(vii) The following principles will be followed while working out the compensation as per sub-para (vi) above.

- (a) The minimum wage of an unskilled male mazdoor mentioned in sub-para (vi) above shall be the higher of the wage notified by Government of India, Ministry of Labour and that notified by the local administration both relevant to the place of work and the period of reckoning.
- (b) The escalation for labour also shall be paid at the same quarterly intervals when escalation due to increase in cost of materials is paid under this clause. If such revision of minimum wages takes place during any such quarterly intervals, the escalation compensation shall be payable at revised rates only for work done in subsequent quarters;
- (c) Irrespective of variations in minimum wages of any category of labour, for the purpose of this clause, the variation in the rate for an unskilled adult male mazdoor alone shall form the basis for working out the escalation compensation payable on the labour component.

(viii) In the event the price of materials and/or wages of labour required for execution of the work decrease/s, there shall be a downward adjustment of the cost of work so that such price of materials and/or wages of labour shall be deductible from the cost of work under this contract and in this regard the formula herein before stated under this Clause 10CC shall mutatis mutandis apply, provided that:

- (a) no such adjustment for the decrease in the price of materials and/or wages of labour aforementioned would be made in case of contracts in which the stipulated period of completion of the work is equal to or less than the time as specified in Schedule 'F'.
- (b) the Engineer-in-Charge shall otherwise be entitled to lay down the procedure by which the provision of this sub-clause shall be implemented from time to time and the decision of the Engineer-in-Charge in this behalf shall be final and binding on the contractor.

(ix) Provided always that:-

- (a) Where provisions of clause 10CC are applicable, provisions of clause 10C will not be applicable but provisions of clause 10CA will be applicable.
- (b) Where provisions of clause 10CC are not applicable, provisions of clause 10C and 10CA will become applicable.

Note: Updated stipulated date of completion (period of completion plus extra time for extra work for compensation under clause 10C, 10CA and 10CC, the factor of 1.25 taken into account for calculating the extra time under clause 12.1 for extra time shall not be considered while calculating the updated stipulated date of completion for this purpose in clause 10C, clause 10CA, and clause 10CC.

CLAUSE 10 D

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 Engineer-in-Charge.

CLAUSE 11

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 Engineer-in-Charge 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 of Central Public Works Department specified in Schedule 'F' 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.

CLAUSE 12 :

Deviation/Variations Extent and Pricing

The Engineer-in-Charge 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 Engineer-in-Charge and such alterations, omissions, 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 hereafter provided.

The completion cost of any agreement for Maintenance works including works of upgradation, aesthetic, special repair, addition/ alteration shall not exceed 1.25 times of Tendered amount.

12.1 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 Engineer-in-Charge.

12.2 A. For Project and original works:

- B. In the case of extra item(s) (items that are completely new, and are in addition to the items contained in the contract), 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 engineer-in-charge shall within prescribed time limit 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 For Maintenance works including works of up gradation, aesthetic, special repair, addition/ alteration:

In the case of Extra Item(s) being the schedule items (Delhi Schedule of Rates items), these shall be paid as per the schedule rate plus cost index (at the time of tender) plus/minus percentage above/ below quoted contract amount.

Payment of Extra items in case of non-schedule items (Non-DSR items) shall be made as per the prevailing market rate

Deviation, Substituted Items, Pricing

A. For Project and original works:

In the case of substituted items (items that are taken up with partial substitution or in lieu of items of work in the contract), the rate for the agreement item (to be substituted) and substituted item shall also be determined in the manner as mentioned in the following 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).

Deviation, Deviated Quantities, Pricing

B. For Maintenance works including works of up gradation, aesthetic, special repair, addition/ alteration:

In the case of Substitute Item(s) being the schedule items (Delhi Schedule of Rates items), these shall be paid as per the schedule rate plus cost index (at the time of tender) plus/minus percentage above/ below quoted contract amount. Payment of Substitute in case of non-schedule items (Non-DSR items) shall be made as per the prevailing market rate.

A. For Project and original works:

In the case of contract items, substituted items, contract cum substituted items, which exceed the limits laid down in schedule F, 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 Engineer-in-Charge shall within prescribed time limit 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.

B. For Maintenance works including works of up gradation, aesthetic, special repair, addition/ alteration:

In the case of contract items, which exceed the limits laid down in schedule F, the contractor shall be paid rates specified in the schedule of quantities.

The prescribed time limits for finalizing rates for Extra Item(s), Substitute Item(s) and Deviated

If the Tendered value of work is up to Rs. 45 lac : 30 days.

(ii)

If the Tendered value of work is more than Rs 45 lac and up to Rs. 2.5 Crore :

45 days.

(iii)

If the Tendered value of work exceeds Rs. 2.5 Crore :

60 days.

Quantities of contract items are as under:

12.3 A. For Project and original works:

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 Schedule F, and the Engineer-in-Charge 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.

B. For Maintenance works including works of up gradation, aesthetic, special repair, addition/ alteration:

In case of decrease in the rates prevailing in the market of items for the work in excess of the limits laid down in Schedule F, the Engineer-in-Charge 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.

12.4 The contractor shall send to the Engineer-in-Charge 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 Engineer-in-Charge which he has executed during the preceding quarter failing which the contractor shall be deemed to have waived his right. However, the Superintending Engineer may authorize consideration of such claims on merits.

12.5 For the purpose of operation of Schedule "F", the following works shall be treated as works relating to foundation unless & otherwise defined in the contract:

- (i) For Buildings: All works up to 1.2 metres above ground level or up to floor 1 level whichever is lower.
- (ii) For abutments, piers and well staining: All works up to 1.2 m above the bed level.
- (iii) For retaining walls, wing walls, compound walls, chimneys, overhead reservoirs/ tanks and other elevated structures: All works up to 1.2 metres above the ground level.
- (iv) For reservoirs/tanks (other than overhead reservoirs/tanks) : All works up to 1.2 meters above the ground level.
- (v) For basement: All works up to 1.2 m above ground level or up to floor 1 level whichever is lower.
- (vi) For Roads, all items of excavation and filling including treatment of sub base.

- 12.6. Any operation incidental to or necessarily has to be in contemplation of tenderer 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 tenderer or the rate given in the said schedule of rates, as the case may be. Nothing extra shall be admissible for such operations.

CLAUSE 13

Foreclosure of contract due to Abandonment or Reduction in Scope of Work

If at any time after acceptance of the tender, Engineer-in-charge shall decide to abandon reduce the scope of the works for any reason whatsoever and hence not require the whole any part of the works to be carried out, the Engineer-in-Charge shall give notice in writing that effect to the contractor and the contractor shall act accordingly in the matter 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-in-Charge 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-in- Charge 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) If any materials supplied by Government are rendered surplus, the same except normal wastage shall be returned by the contractor to Government at rates not exceeding those at which these were originally issued, less allowance for any deterioration or damage which may have been caused whilst the materials were in the custody of the contractor. In addition, cost of transporting such materials from site to Government stores, if so required by Government, shall be paid.
- (iv) 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.
- (v) Reasonable compensation for repatriation of contractor's site staff and imported labour to the extent necessary.

The contractor shall, if required by the Engineer- in-Charge, 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), (iv) and (v) 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 tender 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 Engineer-in-Charge 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.

Clause 14

Carrying out part work at risk & cost of contractor

If contractor:

(i) At any time makes default during currency of work or does not execute any part of the work with due diligence and continues to do so even after a notice in writing of 7 days in this respect from the Engineer-in-Charge; or

(ii) Commits default in complying with any of the terms and conditions of the contract and does not remedy it or takes effective steps to remedy it within 7 days even after a notice in writing is given in that behalf by the Engineer-in-Charge; or

Fails to complete the work(s) or items of work with individual dates of completion, on or before the date(s) so determined, and does not complete them within the period specified in the notice given in writing in that behalf by the Engineer-in-Charge. The Engineer-in-Charge without invoking action under clause 3 may, without prejudice to any other right or remedy against the contractor which have either accrued or accrue thereafter to Government, by a notice in writing to take the part work / part incomplete work of any item(s) out of his hands and shall have powers to:

(a) Take possession of the site and any materials, constructional plant, implements, stores, etc., thereon; and/or

(b) Carry out the part work / part incomplete work of any item(s) by any means at the risk and cost of the contractor.

The Engineer-in-Charge shall determine the amount, if any, is recoverable from the contractor for completion of the part work/ part incomplete work of any item(s) taken out of his hands and execute at the risk and cost of the contractor, the liability of contractor on account of loss or damage suffered by Government because of action under this clause shall not exceed 10% of the tendered value of the work.

In determining the amount, credit shall be given to the contractor with the value of work done in all respect in the same manner and at the same rate as if it had been carried out by the original contractor under the terms of his contract, the value of contractor's materials taken over and incorporated in the work and use of plant and machinery belonging to the contractor.

The certificate of the Engineer-in-Charge as to the value of work done shall be final and conclusive against the contractor provided always that action under this clause shall only be taken after giving notice in writing to the contractor. Provided also that if the expenses incurred by the department are less than the amount payable to the contractor at his agreement rates, the difference shall not be payable to the contractor. Any excess expenditure incurred or to be incurred by Government in completing the part work/ part incomplete work of any item(s) or the excess loss of 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 or per as agreement be recovered from any money due to the contractor on any account, and if such money is insufficient, the contractor shall be called upon in writing and shall be liable to pay the same within 30 days.

If the contractor fails to pay the required sum within the aforesaid period of 30 days, the Engineer-in-Charge shall have the right to sell any or all of the contractors' unused materials, constructional plant, implements, temporary building at site etc. and adjust the proceeds of sale thereof towards the dues recoverable from the contractor under the contract and if thereafter there remains any balance outstanding, it shall be recovered in accordance with the provisions of the contract.

In the event of above course being adopted by the Engineer-in-Charge, the contractor shall have no claim to compensation for any loss sustained by him by reason of his having purchased or procured any materials or entered into any engagements or made any advance on any account or with a view to the execution of the work or the performance of the contract.

CLAUSE 15

Suspension of Work

- (i) The contractor shall, on receipt of the order in writing of the Engineer-in-Charge, (whose decision shall be final and binding on the contractor) suspend the progress of the works or any part thereof for such time and in such manner as the Engineer-in-Charge may consider necessary so as not to cause any damage or injury to the work already done or endanger the safety thereof for any of the following reasons:
- (a) On account of any default on the part of the contractor or;
 - (b) For proper execution of the works or part thereof for reasons other than the default of the contractor; or
 - (c) For safety of the works or part thereof.

The contractor shall, during such suspension, properly protect and secure the works to the extent necessary and carry out the instructions given in that behalf by the Engineering- Charge.

- (ii) If the suspension is ordered for reasons (b) and (c) in sub-para (i) above:
- (a) the contractor shall be entitled to an extension of time equal to the period of every such suspension PLUS 25%, for completion of the item or group of items of work for which a separate period of completion is specified in the contract and of which the suspended work forms a part, and;
 - (b) If the total period of all such suspensions in respect of an item or group of items or work for which a separate period of completion is specified in the contract exceeds thirty days, the contractor shall, in addition, be entitled to such compensation as the Engineer-in- Charge may consider reasonable in respect of salaries and/or wages paid by the contractor to his employees and labour at site, remaining idle during the period of suspension, adding thereto 2% to cover indirect expenses of the contractor provided the contractor submits his claim supported by details to the Engineer-in-Charge within fifteen days of the expiry of the period of 30 days.

If the works or part thereof is suspended on the orders of the Engineer-in-Charge for more than three months at a time, except when suspension is ordered for reason (a) in sub-para (i) above, the contractor may after receipt of such order serve a written notice on the Engineer-in-Charge requiring permission within fifteen days from receipt by the Engineer-in-Charge of the said notice, to proceed with the work or part thereof in regard to which progress has been suspended and if such permission is not granted within that time, the contractor, if he intends to treat the suspension, where it affects only a part of the works as an omission of such part by Government or where it affects whole of the works, as an abandonment of the works by Government, shall within ten days of expiry of such period of 15 days give notice in writing of his intention to the Engineer-in-Charge. In the event of the contractor treating the suspension as an abandonment of the contract by Govern-ment, he shall have no claim to payment of any compensation on account of any profit or advantage which he might have derived from the execution of the work in full but which he could not derive in consequence of the abandonment. He shall, however, be entitled to such compensation, as the Engineer-in-Charge may consider reasonable, in respect of salaries and/or wages paid by him to his employees and labour at site, remaining idle in consequence adding to the total thereof 2% to cover indirect expenses of the contractor provided the contractor submits his claim supported by details to the Engineer-in-Charge within 30 days of the expiry of the period of 3 months.

CLAUSE 15 A

(Compensation in case of delay of Supply of material by Govt.)

The contractor shall not be entitled to claim any compensation from Government for the loss suffered by him on account of delay by Government in the supply of materials in schedule 'B' where such delay is covered by the difficulties relating to the supply of wagons, force majeure or any reasonable cause beyond the control of the Government

CLAUSE 16

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 Engineer-Incharge, his authorized subordinates in charge of the work and all the superior officers, officer of the Quality Assurance Unit of the Department or any organization engaged by the Department for Quality 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 Engineer-in-charge or his authorized subordinates incharge of the worker to the Director AIIMS, Jodhpur or his subordinate officers or the officers of the organization engaged by the Department for Quality Assurance, 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 twelve months (six months in the case of work costing Rs. 10 Lac and below except roadwork) of the completion of the work from the Engineer-in-Charge 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 Engineer-in- Charge in his demand aforesaid, then the contractor shall be liable to pay compensation at the same rate as under clause 2 of the contract (for non-completion of the work in time) for this default.

In such case the Engineer-in-Charge may not accept the item of work at the rates applicable under the contract but may accept such items at reduced rates as the authority specified in schedule 'F' 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 Engineer-in-Charge to be conveyed in writing in respect of the same will be final and binding on the contractor.

CLAUSE 17

(Contractor Liable for damages defects during defect liability period)

If the contractor or his working people 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 twelve months (six months in the case of work costing Rs. Ten lacs and below except road work) after a certificate final or otherwise of its completion shall have been

given by the Engineer-in-Charge 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-in-Charge 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 twelve months (six months in the case of work costing Rs. Ten lacs and below except road work) 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. Provided that in the case of road work, if in the opinion of the Engineer-in-Charge, half of the security deposit is sufficient, to meet all liabilities of the contractor under this contract, half of the security deposit will be refundable after six months and the remaining half after twelve months of the issue of the said certificate of completion 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.

CLAUSE 18

Contractor to Supply Tools & Plants etc.

The contractor shall provide at his own cost all materials (except such special materials, if any, as may in accordance with the contract be supplied from the Engineer-in-Charge's stores), machinery, tools & plants as specified in schedule F. In addition to this, appliances, implements, other plants, 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 Engineer-in-Charge 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 Engineer-in-Charge 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

CLAUSE 18 A

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) of 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.

CLAUSE 18 B

Ensuring Payment and Amenities to Workers 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 19H or under the C.P.W.D. 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 C.P.W.D. 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.

CLAUSE 19

Labour Laws to be complied by the Contractor

The contractor shall obtain a valid license 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.

CLAUSE 19A

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

CLAUSE 19 B

(i) The contractor shall pay to labour employed by him either directly or through subcontractors, wages not less than fair wages as defined in the C.P.W.D. 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 sub-contractors 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 Central Public Works Department 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 unauthorized 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.

(a) 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 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 Engineer-in-Charge 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 Engineer-in-Charge concerned.

In the case of Union Territory of Delhi, however, as the all-inclusive minimum daily wages fixed under Notification of the Delhi Administration No.F.12(162)MWO/DAB/ 43884-91, dated 31-12-1979 as amended from time to time are inclusive of wages for the weekly day of rest, the question of extra payment for weekly holiday would not arise.

(vi) 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 thereunder from time to time.

(v) The contractor shall indemnify and keep indemnified Government against payments to be made under and for the observance of the laws aforesaid and the C.P.W.D. Contractor's Labour Regulations without prejudice to his right to claim indemnity from his sub-contractors.

(vi) 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.

(vii) 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.

(viii) 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.

CLAUSE 19C

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 C.P.W.D. 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.200/- for each default and in addition, the Engineer-in-Charge shall be at liberty to make arrangement and provide facilities as aforesaid and recover the costs incurred in that behalf from the contractor.

CLAUSE 19 D

The contractor shall submit by the 4th and 19th of every month, to the Engineer-in-Charge, 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 labourers 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 19F and the amount paid to them.

Failing which the contractor shall be liable to pay to Government, a sum not exceeding Rs.200/- for each default or materially incorrect statement. The decision of the Divisional Officer shall be final in deducting from any bill due to the contractor; the amount levied as fine and be binding on the contractor.

CLAUSE 19 E

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 Central Public Works Department and its contractors.

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 - upto 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 as shown in appendix -I and II, and the same shall be kept at the place of work.

CLAUSE 19 G

In the event of the contractor(s) committing a default or breach of any of the provisions of the Central Public Works Department, 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 Government a sum not exceeding Rs.200/- 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 Engineer-in-Charge shall be final and binding on the parties.

Should it appear to the Engineer-in-Charge that the contractor(s) is/are not properly observing and complying with the provisions of the C.P.W.D. 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 Engineer-in-Charge 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 Engineer-in-Charge 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 huts 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 Engineer-in-Charge shall have power to give notice in writing to the contractor(s) requiring that the said huts 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 Engineer-in-Charge shall have the power to remodel or reconstruct such huts and sanitary arrangements according to approved standards at the cost of the contractor(s).

CLAUSE 19 H

The contractor(s) shall at his/their own cost provide his/their labour with a sufficient number of huts (hereinafter referred to as the camp) of the following specifications on a suitable plot of land to be approved by the Engineer-in-Charge.

- (i)
 - (a) The minimum height of each hut at the eaves level shall be 2.10m (7 ft.) and the floor area to be provided will be at the rate of 2.7 sq.m. (30 sq.ft.) for each member of the worker’s family staying with the laborers.
 - (b)The contractor(s) shall in addition construct suitable cooking places having a minimum area of 1.80m x 1.50m (6’x5’) adjacent to the hut for each family.
 - (c)The contractor(s) shall also construct temporary latrines and urinals for the use of the laborers each on the scale of not less than four per each one hundred of the total strength, separate latrines and urinals being provided for women.
 - (d)The contractor(s) shall construct sufficient number of bathing and washing places, one unit for every 25 persons residing in the camp. These bathing and washing places shall be suitably screened.
- (ii)
 - (a) All the huts shall have walls of sun-dried or burnt-bricks laid in mud mortar or other suitable local materials as may be approved by the Engineer-in-Charge. In case of sun-dried bricks, the walls should be plastered with mud gobi on both sides. The floor may be kutcha but plastered with mud gobi and shall be at least 15 cm (6") above the surrounding ground. The roofs shall be laid with thatch or any other materials as may be approved by the Engineer-in-Charge and the contractor shall ensure that throughout the period of their occupation, the roofs remain water-tight.
 - (b)The contractor(s) shall provide each hut with proper ventilation.
 - (c) All doors, windows, and ventilators shall be provided with suitable leaves for security purposes.
 - (d)There shall be kept an open space of at least 7.2m (8 yards) between the rows of huts which may be reduced to 6m (20 ft.) according to the availability of site with the approval of the Engineer-in-Charge. Back to back construction will be allowed.

- (iii) **Water Supply** - The contractor(s) shall provide adequate supply of water for the use of laborers. The provisions shall not be less than two gallons of pure and wholesome water per head per day for drinking purposes and three gallons of clean water per head per day for bathing and washing purposes. Where piped water supply is available, supply shall be at stand posts and where the supply is from wells or river, tanks which may be of metal or masonry, shall be provided. The contractor(s) shall also at his/ their own cost make arrangements for laying pipe lines for water supply to his/ their labour camp from the existing mains wherever available, and shall pay all fees and charges therefore.
- (iv) The site selected for the camp shall be high ground, removed from jungle.
- (v) **Disposal of Excreta** - The contractor(s) shall make necessary arrangements for the disposal of excreta from the latrines by trenching or incineration which shall be according to the requirements laid down by the Local Health Authorities. If trenching or incineration is not allowed, the contractor(s) shall make arrangements for the removal of the excreta through the Municipal Committee/authority and inform it about the number of laborers employed so that arrangements may be made by such Committee/authority for the removal of the excreta. All charges on this account shall be borne by the contractor and paid direct by him to the Municipality/authority. The contractor shall provide one sweeper for every eight seats in case of dry system.
- (vi) **Drainage** - The contractor(s) shall provide efficient arrangements for draining away sullage water so as to keep the camp neat and tidy.
- (vii) The contractor(s) shall make necessary arrangements for keeping the camp area sufficiently lighted to avoid accidents to the workers.
- (viii) **Sanitation** - The contractor(s) shall make arrangements for conservancy and sanitation in the labour camps according to the rules of the Local Public Health and Medical Authorities.

CLAUSE 19 I

The Engineer-in-Charge 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. In respect of maintenance/repair or renovation works etc. where the labour have an easy access to the individual houses, the contractor shall issue identity cards to the laborers, whether temporary or permanent and he shall be responsible for any untoward action on the part of such labour. AE/JE will display a list of contractors working in the colony/Blocks on the notice board in the colony and also at the service center, to apprise the residents about the same.

CLAUSE 19J

It shall be the responsibility of the contractor to see that the building under construction is not occupied by anybody unauthorized during construction, and is handed over to the Engineer-in-Charge with vacant possession of complete building. If such building though completed is occupied illegally, then the Engineer-in-Charge shall have the option to refuse to accept the said building/buildings in that position. Any delay in acceptance on this account will be treated as the delay in completion and for such delay, a levy upto 5% of tendered value of work may be imposed by the Superintending Engineer whose decision shall be final both with regard to the justification and quantum and be binding on the contractor

However, the Superintending Engineer, through a notice, may require the contractor to remove the illegal occupation any time on or before construction and delivery.

CLAUSE 19K

Employment of skilled/semi-skilled workers

The contractor shall, at all stages of work, deploy skilled/semi-skilled tradesmen who are qualified and possess certificate in particular trade from CPWD Training Institute/Industrial Training Institute/National Institute of construction Management and Research (NICMAR)/National Academy of Construction, CIDC or any similar reputed and recognized Institute managed/ certified by State/Central Government. The number of such qualified tradesmen shall not be less than 20% of total skilled/semi-skilled workers required in each trade at any stage of work. The contractor shall submit number of man days required in respect of each trade, its scheduling and the list of qualified tradesmen along with requisite certificate from recognized Institute to Engineer in charge for approval. Notwithstanding such approval, if the tradesmen are found to have inadequate skill to execute the work of respective trade, the contractor shall substitute such tradesmen within two days of written notice from Engineering- Charge. Failure on the part of contractor to obtain approval of Engineer-in-Charge or failure to deploy qualified tradesmen will attract a compensation to be paid by contractor at the rate of Rs. 100 per such tradesman per day. Decision of Engineer in Charge as to whether particular tradesman possesses requisite skill and amount of compensation in case of default shall be final and binding.

Provided always, that the provisions of this clause, shall not be applicable for works with estimated cost put to tender being less than Rs. 5 crores.

CLAUSE 19L

Contribution of EPF and ESI

The ESI and EPF contributions on the part of employer in respect of this contract shall be paid by the contractor. These contributions on the part of the employer paid by the contractor shall be reimbursed by the Engineer-in-charge to the contractor on actual basis.

CLAUSE 20

Minimum wages Act to be complied with

The contractor shall comply with all the provisions of the Minimum Wages Act, 1948, and Contract Labour (Regulation and Abolition) Act, 1970, amended from time to time and rules framed thereunder and other labour laws affecting contract labour that may be brought into force from time to time.

CLAUSE 21

Work not to be sublet. Action in case of solvency

The contract shall not be assigned or sublet without the written approval of the Engineer-in - Charge. And 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, be given, promised or offered by the contractor, or any of his servants or agent 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 Engineer-in-Charge on behalf of the President of India shall have power to adopt the course specified in

Clause 3 hereof in the interest of Government and in the event of such course being adopted, the consequences specified in the said Clause 3 shall ensue.

CLAUSE 22

All sums payable by way of compensation under any of these conditions shall be considered as reasonable compensation to be applied to the use of Government without reference to the actual loss or damage sustained and whether or not any damage shall have been sustained.

CLAUSE 23

Changes in firm's Constitution to be intimated

Where the contractor is a partnership firm, the previous approval in writing of the Engineering-Charge 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 hereby 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 21 hereof and the same action may be taken, and the same consequences shall ensue as provided in the said Clause 21.

CLAUSE 24

All works to be executed under the contract shall be executed under the direction and subject to the approval in all respects of the Engineer-in-Charge who shall be entitled to direct at what point or points and in what manner they are to be commenced, and from time to time carried on.

CLAUSE 25

Settlement of Disputes & Arbitration

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:

- (i) If the contractor considers any work demanded of him to be outside the requirements of the contract, or disputes any drawings, record or decision given in writing by the Engineer-in-Charge on any matter in connection with or arising out of the contract or carrying out of the work, to be unacceptable, he shall promptly within 15 days request the Superintending Engineer in writing for written instruction or decision. Thereupon, the Superintending Engineer shall give his written instructions or decision within a period of one month from the receipt of the contractor's letter. If the Superintending Engineer fails to give his instructions or decision in writing within the aforesaid period or if the contractor is dissatisfied with the instructions or decision of the Superintending Engineer, the contractor may, within 15 days of the receipt of Superintending Engineer's decision, appeal to the Director AIIMS, Jodhpur who shall afford an opportunity to the contractor to be heard, if the latter so desires, and to offer evidence in support of his appeal. The Director AIIMS, Jodhpur shall give his decision within 30 days of receipt of contractor's appeal. If the contractor is dissatisfied with the decision of the Director AIIMS, Jodhpur the contractor may within 30 days from the receipt of the Director AIIMS, Jodhpur decision, appeal

before the Dispute Redressal Committee (DRC) along with a list of disputes with amounts claimed in respect of each such dispute and giving reference to the rejection of his disputes by the Director AIIMS, Jodhpur. The Dispute Redressal Committee (DRC) shall give his decision within a period of 90 days from the receipt of Contractor's appeal. The constitution of Dispute Redressal Committee (DRC) shall be as indicated in Schedule 'F'. If the Dispute Redressal Committee (DRC) fails to give his decision within the aforesaid period or any party is dissatisfied with the decision of Dispute Redressal Committee (DRC), then either party may within a period of 30 days from the receipt of the decision of Dispute Redressal Committee (DRC), give notice to the Director AIIMS, Jodhpur for appointment of arbitrator on prescribed proforma as per Appendix XV, failing which the said decision shall be final binding and conclusive and not referable to adjudication by the arbitrator.

It is a term of contract that each party invoking arbitration must exhaust the aforesaid mechanism of settlement of claims/disputes prior to invoking arbitration.

(ii) Except where the decision has become final, binding and conclusive in terms of Sub Para(i) above, disputes or difference shall be referred for adjudication through arbitration by a sole arbitrator appointed by the Director AIIMS, Jodhpur, in charge of the work. 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 sole arbitrator shall be appointed in the manner aforesaid. Such person shall be entitled to proceed with the reference from the stage at which it was left by his predecessor.

It is a term of this contract that the party invoking arbitration shall give a list of disputes with amounts claimed in respect of each such dispute along with the notice for appointment of arbitrator and giving reference to the rejection by the Director AIIMS, Jodhpur of the appeal.

It is also a term of this contract that no person, other than a person appointed by such Director AIIMS, Jodhpur, as aforesaid, should act as arbitrator and if for any reason that is not possible, the matter shall not be referred to arbitration at all.

It is also a term of this contract that if the contractor does not make any demand for appointment of arbitrator in respect of any claims in writing as aforesaid within 120 days of receiving the intimation from the Engineer-in-charge that the final bill is ready for payment, the claim of the contractor shall be deemed to have been waived and absolutely barred and the Government shall be discharged and released of all liabilities under the contract in respect of these claims.

The arbitration shall be conducted in accordance with the provisions of the Arbitration and Conciliation Act, 1996 (26 of 1996) or any statutory modifications or re-enactment thereof and the rules made thereunder and for the time being in force shall apply to the arbitration proceeding under this clause.

It is also a term of this contract that the arbitrator shall adjudicate on 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 where the total amount of the claims by any party exceeds Rs. 1,00,000/-, the arbitrator shall give reasons for the award.

It is also a term of the contract that if any fees are 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 counter statement of claims. The venue of the arbitration shall be such place as may be fixed by the arbitrator in his sole discretion. The fees, if any, of the arbitrator shall, if required

to be paid before the award is made and published, be paid half and half by each of the parties. The cost of the reference and of the award (including the fees, if any, of the arbitrator) shall be in the discretion of the arbitrator who may direct to any by whom and in what manner, such costs or any part thereof shall be paid and fix or settle the amount of costs to be so paid.

CLAUSE 26

Contractor to indemnify Govt. against Patent Rights

The contractor shall fully indemnify and keep indemnified the President of India against any action, claim or proceeding relating to infringement or use of any patent or design or any alleged patent or design 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 Government in respect of any such matters as aforesaid, the contractor shall be immediately 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 therefrom provided that the contractor shall not be liable to indemnify the President of India 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 Engineer-in-Charge in this behalf.

CLAUSE 27

Lump sum Provisions in Tender

When the estimate on which a tender is made includes lump sum in respect of parts of the work, the contractor shall be entitled to payment in respect of the items of work involved or the part of the work in question at the same rates as are payable under this contract for such items, or if the part of the work in question is not, in the opinion of the Engineer-in-Charge payable of measurement, the Engineer-in-Charge may at his discretion pay the lump-sum amount entered in the estimate, and the certificate in writing of the Engineer-in-Charge shall be final and conclusive against the contractor with regard to any sum or sums payable to him under the provisions of the clause.

CLAUSE 28

Action where no Specifications are specified

In the case of any class of work for which there is no such specifications as referred to in Clause 11, such work shall be carried out in accordance with the Bureau of Indian Standards Specifications. In case there are no such specifications in Bureau of Indian Standards, the work shall be carried out as per manufacturers' specifications, if not available then as per District Specifications. In case there are no such specifications as required above, the work shall be carried out in all respects in accordance with the instructions and requirements of the Engineer-in-Charge.

CLAUSE 29

Withholding and lien in respect of sum due from contractor

Whenever any claim or claims for payment of a sum of money arises out of or under the contract or against the contractor, the Engineer-in-Charge 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 Engineering- Charge 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 Engineer-in-Charge 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 Engineer-in-Charge of the Government or any contracting person through the Engineer-in-Charge 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 Engineer-in-Charge or Government will be kept withheld or retained as such by the Engineer-in-Charge 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) 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 Engineer-in-Charge 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 thereon whatsoever.
- (i) 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 the Superintending Engineer or Executive 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 Superintending Engineer or the Executive Engineer.

CLAUSE 29A

Lien in respect of claims in other Contracts

It is an agreed term of the contract that the sum of money so withheld or retained under this clause by the Engineer-in-Charge or the Government will be kept withheld or retained as such by the Engineer-in-Charge 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.

CLAUSE 30

Employment of coal mining or controlled area labour not permissible

The contractor shall not employ coal mining or controlled area labour falling under any category whatsoever on or in connection with the work or recruit labour from area within a radius of 32 km (20 miles) of the controlled area. Subject as above the contractor shall employ imported labour only i.e., deposit imported labour or labour imported by contractors from area, from which import is permitted.

Where ceiling price for imported labour has been fixed by State or Regional Labour Committees not more than that ceiling price shall be paid to the labour by the contractor.

The contractor shall immediately remove any laborer who may be pointed out by the Engineer-in-Charge as being a coal mining or controlled area laborer. Failure to do so shall render the contractor liable to pay to Government a sum calculated at the rate of Rs.10/- per day per laborer. The certificate of the Engineer-in-Charge about the number of coal mining or controlled area laborer and the number of days for which they worked shall be final and binding upon all parties to this contract.

It is declared and agreed between the parties that the aforesaid stipulation in this clause is one in which the public are interested within the meaning of the exception in Section 74 of Indian Contract Act, 1872.

Explanation:- Controlled Area means the following areas:

Districts of Dhanbad, Hazaribagh, Jamtara - a Sub-Division under Santhal Pargana Commissionery, Districts of Bankuara, Birbhum, Burdwan, District of Bilaspur. Any other area which may be declared a Controlled Area by or with the approval of the Central Government

CLAUSE 31

Unfiltered water supply

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-in-Charge.

The Engineer-in-Charge 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-in- Charge, unsatisfactory.

CLAUSE 31 A

Departmental water supply, if available

Water if available may be supplied to the contractor by the department 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 of source of supply.

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.

CLAUSE 32

Alternate water arrangements

- (i) Where there is no piped water supply arrangement and the water is taken by the contractor from the wells or hand pump constructed by the Government, no charge shall be recovered from the contractor on that account. 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 Engineer-in-Charge 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.
- (ii) 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 Engineer-in-Charge 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.

CLAUSE 33

Return of Surplus materials

Notwithstanding anything contained to the contrary in this contract, where any materials for the execution of the contract are procured with the assistance of Government either by issue from Government stocks or purchase made under orders or permits or licenses issued by Government, the contractor shall hold the said materials economically and solely for the purpose of the contract and not dispose of them without the written permission of the Government and return, if required by the Engineer-in-Charge, all surplus or unserviceable materials that may be left with him after the completion of the contract or at its termination for any reason whatsoever on being paid or credited such price as the Engineer-in-Charge shall determine having due regard to the condition of the materials. The price allowed to the contractor however shall not exceed the amount charged to him excluding the element of storage charges. The decision of the Engineer-in-Charge shall be final and conclusive. In the event of breach of the aforesaid condition, the contractor shall in addition to throwing himself open to action for contravention of the terms of the license or permit and/or for criminal breach of trust, be liable to Government for all moneys, advantages or profits resulting or which in the usual course would have resulted to him by reason of such breach.

CLAUSE 34

Hire of Plant & Machinery

- (i) The contractor shall arrange at his own expense all tools, plant, machinery and equipment (hereinafter referred to as T&P) required for execution of the work except for the Plant & Machinery listed in Schedule 'C' and stipulated for issue to the contractor. If the contractor requires any item of T&P on hire from the T&P available with the Government over and above the T&P stipulated for issue, the Government will, if such item is available, hire it to the contractor at rates to be agreed upon between him and the Engineer-in-Charge. In such a case, all the conditions hereunder for issue of T&P shall also be applicable to such T&P as is agreed to be issued.

Plant and Machinery when supplied on hire charges shown in Schedule 'C' shall be made over and taken back at the departmental equipment yard/shed shown in Schedule 'C' and the contractor shall bear the cost of carriage from the place of issue to the site of work and back. The contractor shall be responsible to return the plant and machinery with condition in which it was handed over to him, and he shall be responsible for all damage caused to the said plant and machinery at the site of work or elsewhere in operation and otherwise during transit including damage to or loss of plant and for all losses due to his failure to return the same soon after the completion of the work for which it was issued. The Divisional Engineer shall be the sole judge to determine the liability of the contractor and its extent in this regard and his decision shall be final and binding on the contractor.

- (iii) The plant and machinery as stipulated above will be issued as and when available and if required by the contractor. The contractor shall arrange his programme of work according to the availability of the plant and machinery and no claim, whatsoever, will be entertained from him for any delay in supply by the Department.
- (iv) The hire charges shall be recovered at the prescribed rates from and inclusive of the date the plant and machinery made over upto and inclusive of the date of the return in good order even though the same may not have been working for any cause except major breakdown due to no fault of the contractor or faulty use requiring more than three working days continuously (excluding intervening holidays and Sundays) for bringing the plant in order. The contractor shall immediately intimate in writing to the Engineer-in-Charge when any plant or machinery gets out of order requiring major repairs as aforesaid. The Engineer-in-Charge shall record the date and time of receipt of such intimation in the log sheet of the plant or machinery. Based on this if the breakdown before lunch period or major breakdown will be computed considering half a day's breakdown on the day of complaint. If the breakdown occurs in the post lunch period of major breakdown will be computed starting from the next working day. In case of any dispute under this clause, the decision of the Superintending Engineer shall be final and binding on the contractor.
- (v) The hire charges shown above are for each day of 8 hours (inclusive of the one hour lunch break) or part thereof.
- (vi) Hire charges will include service of operating staff as required and also supply of lubricating oil and stores for cleaning purposes. Power fuel of approved type, firewood, kerosene oil etc. for running the plant and machinery and also the full time chowkidar for guarding the plant and machinery against any loss or damage shall be arranged by the contractor who shall be fully responsible for the safeguard and security of plant and machinery. The contractor shall on or before the supply of plant and machinery sign an agreement indemnifying the Department against any loss or damage caused to the plant and machinery either during transit or at site of work.
- (vii) Ordinarily, no plant and machinery shall work for more than 8 hours a day inclusive of one hour lunch break. In case of an urgent work however, the Engineer-in-Charge may, at his discretion, allow the plant and machinery to be worked for more than normal period of 8 hours a day. In that case, the hourly hire charges for overtime to be borne by the contractor shall be 50% more than the normal proportionate hourly charges (1/8th of the daily charges) subject to a minimum of half day's normal charges on any particular day. For working out hire charges for over time, a period of half an hour and above will be charged as one hour and a period of less than half an hour will be ignored.

- (viii) The contractor shall release the plant and machinery every seventh day for periodical servicing and/or wash out which may take about three to four hours or more. Hire charges for full day shall be recovered from the contractor for the day of servicing/ wash out irrespective of the period employed in servicing.
- (ix) The plant and machinery once issued to the contractor shall not be returned by him on account of lack of arrangements of labour and materials, etc. on his part, the same will be returned only when they are required for major repairs or when in the opinion of the Engineer-in-Charge, the work or a portion of work for which the same was issued is completed.
- (x) Log Book for recording the hours of daily work for each of the plant and machinery supplied to the contractor will be maintained by the Department and will be countersigned by the contractor or his authorized agent daily. In case the contractor contests the correctness of the entries and/or fails to sign the Log Book, the decision of the Engineer-in-Charge shall be final and binding on him. Hire charges will be calculated according to the entries in the Log Book and will be binding on the contractor. Recovery on account of hire charges for road rollers shall be made for the minimum number of days worked out on the assumption that a roller can consolidate per day and maximum quantity of materials or area surfacing as noted against each in the annexed statement (see attached annexure).
- (xi) In the case of concrete mixers, the contractors shall arrange to get the hopper cleaned and the drum washed at the close of the work each day or each occasion.
- In case rollers for consolidation are employed by the contractor himself, log book for such rollers shall be maintained in the same manner as is done in case of departmental rollers, maximum quantity of any items to be consolidated for each roller-day shall also be same as in Annexure to Clause 34(x). For less use of rollers, recovery for the less roller days shall be made at the stipulated issue rate.
- (xii) The contractor shall be responsible to return the plant and machinery in the condition in which it was handed over to him and he shall be responsible for all damage caused to the said plant and machinery at the site of work or elsewhere in operation or otherwise or during transit including damage to or loss of parts, and for all losses due to his failure to return the same soon after the completion of the work for which it was issued. The Divisional Engineer shall be the sole judge to determine the liability of the contractor and its extent in this regard and his decision shall be final and binding on the contractor.
- (xiii) The contractor will be exempted from levy of any hire charges for the number of days he is called upon in writing by the Engineer-in-Charge to suspend execution of the work, provided Government plant and machinery in question have, in fact, remained idle with the contractor because of the suspension
- (xiv) In the event of the contractor not requiring any item of plant and machinery issued by Government though not stipulated for issue in Schedule 'C' any time after taking delivery at the place of issue, he may return it after two days written notice or at any time without notice if he agrees to pay hire charges for two additional days without, in any way, affecting the right of the Engineer-in-Charge to use the said plant and machinery during the said period of two days as he likes including hiring out to a third party.

CLAUSE 35

Condition relating to use of asphaltic materials

- (i) The contractor 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 Engineer-in-Charge. 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 Engineer-in-Charge shall be made and the material return to the contractors. Although the materials are hypothecated to Government, the contractor 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 Engineer-in-Charge 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.

CLAUSE 36

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 tender and before commencement of the work, intimate in writing to the Engineer-in-Charge, 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 Schedule 'F'. The Engineer-in-Charge shall within 3 days of receipt of such communication intimate in writing his approval or otherwise of such a 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 tender 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 Engineer-in-charge 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 Engineer-in-Charge and/or his designated representative to take instructions. Instructions given to the principal technical representative or other technical representative(s) shall be deemed to have the same force as if these have been given to the contractor. The principal technical representative and other technical representative(s) shall be actually available at site fully during all stages of execution of work, during recording/checking/test checking of measurements of works and whenever so required by the Engineer-in-Charge and shall also note down instructions conveyed by the Engineer-in- Charge or his designated representative(s) in the site order book

and shall affix his/their signature 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 Engineer-in-Charge 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 Engineer-in-Charge, 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 Schedule 'F' and the decision of the Engineer-In-Charge as recorded in the site order book and measurement recorded checked/test checked in Measurement Books shall be final and binding on the contractor. Further if the contractor fails to appoint suitable technical 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 Engineer-in-Charge shall have full powers to suspend the execution of the work until such date as 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) (in the form of copy of Form-16 or CPF deduction issued to the Engineers employed by him) alongwith every on account bill final bill and shall produce evidence if at any time so required by the Engineer-in-Charge.

- (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 Engineer-in-Charge 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 Engineer-in-Charge to be undesirable. Such person shall not be employed again at works site without the written permission of the Engineer-in-Charge and the persons so removed shall be replaced as soon as possible by competent substitutes.

CLAUSE 37

Levy/Taxes payable by Contractor

- (i) Sales Tax/VAT (except Service Tax), Building and other Construction Workers Welfare Cess or any other tax or Cess in respect of this contract shall be payable by the contractor and Government shall not entertain any claim whatsoever in this respect. However, in respect of service tax, same shall be paid by the contractor to the concerned department on demand and it will be reimbursed to him by the Engineer-in-Charge after satisfying that it has been actually and genuinely paid by the contractor.
- (ii) The contractor shall deposit royalty and obtain necessary permit for supply of the red bajri, stone, kankar, etc. from local authorities.

If pursuant to or under any law, notification or order any royalty, cess or the like becomes payable by the Government of India and does not any time become payable by the contractor to the State Government, 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 Government of India and it will have the right and be entitled to recover the amount paid in the circumstances as aforesaid from dues of the contractor.

CLAUSE 38

Conditions for reimbursement of levy/taxes if levied after receipt of tenders

- (i) All tendered rates shall be inclusive of all taxes and levies (except Service Tax) payable under respective statutes. However, if any further tax or levy or cess 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/cess, the contractor shall be reimbursed the amount so paid, provided such payments, if any, is not, in the opinion of the Superintending engineer (whose decision shall be final and binding on the contractor) attributable to delay in execution of work within the control of the contractor.
- (ii) The contractor shall keep necessary books of accounts and other documents for the purpose of this condition as may be necessary and shall allow inspection of the same by a duly authorized representative of the Government and/or the Engineer-in-Charge and shall also furnish such other information/document as the Engineer-in-Charge may require from time to time.
- (iii) The contractor shall, within a period of 30 days of the imposition of any such further tax or levy or cess, give a written notice thereof to the Engineer-in-charge that the same is given pursuant to this condition, together with all necessary information relating thereto.

CLAUSE 39

Termination of Contract on death of contractor

Without prejudice to any of the rights or remedies under this contract, if the contractor dies, the Divisional Officer on behalf of the President of India shall have the option of terminating the contract without compensation to the contractor.

CLAUSE 40

If relative working in AIIMS, Jodhpur then the contractor not allowed to tender

The contractor shall not be permitted to tender for works in the AIIMS, Jodhpur (Division in case of contractors of Horticulture/Nursery categories) responsible for award and execution of contracts in which his near relative is posted as Divisional Accountant or as an officer in any capacity between the grades of the Superintending Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any Gazetted Officer in the AIIMS, Jodhpur. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department. If however the contractor is registered in any other department, he shall be debarred from tendering in AIIMS, Jodhpur for any breach of this condition.

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

CLAUSE 41

No Gazetted Engineer to work as Contractor within one year of retirement

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 one year 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.

CLAUSE 42

Return of material & recovery for excess material issued.

- (i) After completion of the work and also at any intermediate stage in the event of no reconciliation of materials issued, consumed and in balance - (see Clause 10), theoretical quantity of materials issued by the Government for use in the work shall be calculated on the basis and method given hereunder:-
 - (a) Quantity of cement & bitumen shall be calculated on the basis of quantity of cement & bitumen required for different items of work as shown in the Schedule of Rates mentioned in Schedule 'F'. In case any item is executed for which standard constants for the consumption of cement or bitumen are not available in the above mentioned schedule/statement or cannot be derived from the same shall be calculated on the basis of standard formula to be laid down by the Engineer-in-Charge.
 - (c) Theoretical quantity of steel reinforcement or structural steel sections shall be taken as the quantity required as per design or as authorized by Engineer-in-Charge, including authorized lappages, chairs etc. plus 3% wastage due to cutting into pieces, such theoretical quantity being determined and compared with the actual issues each diameter wise, section wise and category wise separately. Theoretical quantity of G.I. & C.I. or other pipes, conduits, wires and cables, pig lead and G.I./M.S. sheets shall be taken as quantity actually required and measured plus 5% for wastage due to cutting into pieces (except in the case of G.I./M.S. sheets it shall be 10%), such determination & comparison being made diameter wise & category wise.
 - (d) For any other material as per actual requirements.
- (ii) Over the theoretical quantities of materials so computed a variation shall be allowed as specified in Schedule 'F'. The difference in the net quantities of material actually issued to the contractor and the theoretical quantities including such authorized variation, if not returned by the contractor or if not fully reconciled to the satisfaction of the Engineer-in-Charge within fifteen days of the issue of written notice by the Engineer-in-charge to this effect shall be recovered at the rates specified in Schedule 'F', without prejudice to the provision of the relevant conditions regarding return of materials governing the contract. Decision of Engineer-in-Charge in regard to theoretical quantities of materials, which should have been actually used as per the Annexure of the standard schedule of rates and recovery at rates specified in Schedule 'F', shall be final & binding on the contractor.

For non-scheduled items, the decision of the Superintending Engineer regarding theoretical quantities of materials which should have been actually used, shall be final and binding on the contractor.

- (b) The said action under this clause is without prejudice to the right of the Government to take action against the contractor under any other conditions of contract for not doing the work according to the prescribed specifications.

CLAUSE 43

Compensation during warlike situations

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 Engineer-in-Charge 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, the contractor shall when ordered (in writing) by the Engineer-in-Charge 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 Engineer-in-Charge, such payments being in addition to compensation upto 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 Divisional Officer upto Rs.5,000/- and by the Superintending Engineer concerned for a higher amount. The contractor shall be paid for the damages/destruction suffered and for 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 Engineer-in-Charge 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 Engineer-in-Charge

(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 Divisional Officer.

CLAUSE 44

Apprentices Act provisions to be complied with

The contractor shall comply with the provisions of the Apprentices Act, 1961 and the rules and orders issued thereunder from time to time. If he fails to do so, his failure will be a breach of the contract and the Superintending 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.

CLAUSE 45

Release of Security deposit after labour clearance

Release of Security Deposit of the work shall not be refunded till the contractor produces a clearance deposit after labour 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 Engineer-in-Charge. The Engineer-in-Charge, 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.

NOTE:

In case of difference or ambiguity in Hindi and English version, the English version will prevail

C.P.W.D. SAFETY CODE

1. Suitable scaffolds should be provided for workmen for all works that cannot safely be done from the ground, or from solid construction except such short period work as can be done safely from 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 thereof 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 $\frac{1}{4}$ " 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. (a) 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.

- (b) Safety Measures for digging bore holes:-
- (i). If the bore well is successful, it should be safely capped to avoid caving and collapse of the bore well. The failed and the abandoned ones should be completely refilled to avoid caving and collapse;
 - (ii). During drilling, Sign boards should be erected near the site with the address of the drilling contractor and the Engineer in-charge of the work;
 - (iii). Suitable fencing should be erected around the well during the drilling and after the installation of the rig on the point of drilling, flags shall be put 50m around the point of drilling to avoid entry of people;
 - (iv). After drilling the borewell, a cement platform (0.50m x 0.50m x 1.20m) 0.60m above ground level and 0.60m below ground level should be constructed around the well casing;
 - (v). After the completion of the borewell, the contractor should cap the bore well properly by welding steel plate, cover the bore well with the drilled wet soil and fix thorny shrubs over the soil. This should be done even while repairing the pump.
 - (vi). After the borewell is drilled the entire site should be brought to the ground level.
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 Engineer-in-Charge 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 eyeshields.
 - (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 atleast 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 measure 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. No smoking or open flames shall be allowed near the blocked manhole being cleaned.
- (g) 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.
- (h) Workers should not be allowed to work inside the manhole continuously. He should be given rest intermittently. The Engineer-in-Charge may decide the time up to which a worker may be allowed to work continuously inside the manhole.
- (i) Gas masks with Oxygen Cylinder should be kept at site for use in emergency.
- (j) 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.
- (k) The workers engaged for cleaning the manholes/sewers should be properly trained before allowing to work in the manhole.
- (l) 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.
- (m) 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 manhole well.
- (n) 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.
- (o) The extent to which these precautions are to be taken depend on individual situation but the decision of the Engineer-in-Charge regarding the 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 scrapped.
- (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. An additional clause (viii)(i) of Central Public Works Department Safety Code (iv) 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 competent authority of C.P.W.D PWD(DA).

(viii) C.P.W.D./PWD (DA) 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.

(ii) 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.

(iii) 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.

(iv) In case of departmental machines, the safe working load shall be notified by the Electrical Engineer-in-Charge. As regards contractor's machines the contractors shall notify the safe working load of the machine to the Engineer-in-Charge 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 Engineer-in-Charge of the department or their representatives.

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.

**Model Rules for the Protection of
Health and Sanitary Arrangements for Workers
Employed by Central P.W.D. or its Contractors**

1. APPLICATION

These rules shall apply to all buildings and construction works in charge of Central Public Works Department/ PWD (DA) in which twenty or more workers are ordinarily employed or are proposed to be employed in any day during the period during which the contract work is in progress.

2. DEFINITION

Work place means a place where twenty or more workers are ordinarily employed in connection with construction work on any day during the period during which the contract work is in progress.

3. FIRST-AID FACILITIES

(i) At every work place, there shall be provided and maintained, so as to be easily accessible during working hours, first-aid boxes at the rate of not less than one box for 150 contract labour or part thereof ordinarily employed.

(ii) The first-aid box shall be distinctly marked with a red cross on white back ground and shall contain the following equipment:-

(a) For work places in which the number of contract labour employed does not exceed 50-Each first-aid box shall contain the following equipments :-

1. 6 small sterilized dressings.
2. 3 medium size sterilized dressings.
3. 3 large size sterilized dressings.
4. 3 large sterilized burn dressings.
5. 1 (30 ml.) bottle containing a two per cent alcoholic solution of iodine.
6. 1 (30 ml.) bottle containing salvolatile having the dose and mode of administration indicated on the label.
7. 1 snakebite lancet.
8. 1 (30 gms.) bottle of potassium permanganate crystals.
9. 1 pair scissors.
10. 1 copy of the first-aid leaflet issued by the Director General, Factory Advice Service and Labour Institutes, Government of India.
11. 1 bottle containing 100 tablets (each of 5 gms.) of aspirin.
12. Ointment for burns.
13. A bottle of suitable surgical antiseptic solution.

- (b) For work places in which the number of contract labour exceed 50. Each first-aid box shall contain the following equipments.
1. 12 small sterilized dressings.
 2. 6 medium size sterilized dressings.
 3. 6 large size sterilized dressings.
 4. 6 large size sterilized burn dressings.
 5. 6 (15 gms.) packets sterilized cotton wool.
 6. 1 (60 ml.) bottle containing a two per cent alcoholic solution iodine.
 7. 1 (60 ml.) bottle containing salvolatile having the dose and mode of administration indicated on the label.
 8. 1 roll of adhesive plaster.
 9. 1 snake bite lancet.
 10. 1 (30 gms.) bottle of potassium permanganate crystals.
 11. 1 pair scissors.
 12. 1 copy of the first-aid leaflet issued by the Director General Factory Advice Service and Labour Institutes /Government of India.
 13. A bottle containing 100 tablets (each of 5 gms.) of aspirin.
 14. Ointment for burns.
 15. A bottle of suitable surgical antiseptic solution.

- (iii) Adequate arrangements shall be made for immediate recoupment of the equipment when necessary.
- (iv) Nothing except the prescribed contents shall be kept in the First-aid box.
- (v) The first-aid box shall be kept in charge of a responsible person who shall always be readily available during the working hours of the work place.
- (vi) A person in charge of the First-aid box shall be a person trained in First-aid treatment in the work places where the number of contract labour employed is 150 or more.
- (vii) In work places where the number of contract labour employed is 500 or more and hospital facilities are not available within easy distance from the works. First-aid posts shall be established and run by a trained compounder. The compounder shall be on duty and shall be available at all hours when the workers are at work.
- (viii) Where work places are situated in places which are not towns or cities, a suitable motor transport shall be kept readily available to carry injured person or person suddenly taken ill to the nearest hospital.

4. DRINKING WATER

- (i) In every work place, there shall be provided and maintained at suitable places, easily accessible to labour, a sufficient supply of cold water fit for drinking.
- (ii) Where drinking water is obtained from an intermittent public water supply, each work place shall be provided with storage where such drinking water shall be stored.
- (iii) Every water supply or storage shall be at a distance of not less than 50 feet from any latrine drain or other source of pollution. Where water has to be drawn from an

existing well which is within such proximity of latrine, drain or any other source of pollution, the well shall be properly chlorinated before water is drawn from it for drinking. All such wells shall be entirely closed in and be provided with a trap door which shall be dust and waterproof.

- (iv) A reliable pump shall be fitted to each covered well, the trap door shall be kept locked and opened only for cleaning or inspection which shall be done at least once a month.

5. WASHING FACILITIES

- (i) In every work place adequate and suitable facilities for washing shall be provided and maintained for the use of contract labour employed therein.
- (ii) Separate and adequate cleaning facilities shall be provided for the use of male and female workers.
- (iii) Such facilities shall be conveniently accessible and shall be kept in clean and hygienic condition.

6. LATRINES AND URINALS

- (i) Latrines shall be provided in every work place on the following scale namely :-
 - (a) Where female are employed, there shall be at least one latrine for every 25 females.
 - (b) Where males are employed, there shall be at least one latrine for every 25 males.
Provided that, where the number of males or females exceeds 100, it shall be sufficient if there is one latrine for 25 males or females as the case may be upto the first 100, and one for every 50 thereafter.
- (ii) Every latrine shall be under cover and so partitioned off as to secure privacy, and shall have a proper door and fastenings.
- (iii) Construction of latrines: The inside walls shall be constructed of masonry or some suitable heat-resisting nonabsorbent materials and shall be cement washed inside and outside at least once a year, Latrines shall not be of a standard lower than borehole system.
- (iv) (a) Where workers of both sexes are employed, there shall be displayed outside each block of latrine and urinal, a notice in the language understood by the majority of the workers "For Men only" or "For Women Only" as the case may be.
(b) The notice shall also bear the figure of a man or of a woman, as the case may be.
- (v) There shall be at least one urinal for male workers upto 50 and one for female workers upto fifty employed at a time, provided that where the number of male or female workmen, as the case may be exceeds 500, it shall be sufficient if there is one urinal for every 50 males or females upto the first 500 and one for every 100 or part thereafter.
- (vi) (a) The latrines and urinals shall be adequately lighted and shall be maintained in a clean and sanitary condition at all times.
(b) Latrines and urinals other than those connected with a flush sewage system shall comply with the requirements of the Public Health Authorities.
- (vii) Water shall be provided by means of tap or otherwise so as to be conveniently accessible in or near the latrines and urinals.

- (viii) Disposal of excreta: - Unless otherwise arranged for by the local sanitary authority, arrangements for proper disposal of excreta by incineration at the work place shall be made by means of a suitable incinerator. Alternately excreta may be disposed of by putting a layer of night soil at the bottom of a pucca tank prepared for the purpose and covering it with a 15 cm. layer of waste or refuse and then covering it with a layer of earth for a fortnight (when it will turn to manure).
- (ix) The contractor shall at his own expense, carry out all instructions issued to him by the Engineer-in-Charge to effect proper disposal of night soil and other conservancy work in respect of the contractor's workmen or employees on the site. The contractor shall be responsible for payment of any charges which may be levied by Municipal or Cantonment Authority for execution of such on his behalf.

7. PROVISION OF SHELTER DURING REST

At every place there shall be provided, free of cost, four suitable sheds, two for meals and the other two for rest separately for the use of men and women labour. The height of each shelter shall not be less than 3 metres (10 ft.) from the floor level to the lowest part of the roof. These shall be kept clean and the space provided shall be on the basis of 0.6 sq.m. (6 sft) per head.

Provided that the Engineer-in-Charge may permit subject to his satisfaction, a portion of the building under construction or other alternative accommodation to be used for the purpose.

8. CRECHES

- (i) At every work place, at which 20 or more women worker are ordinarily employed, there shall be provided two rooms of reasonable dimensions for the use of their children under the age of six years. One room shall be used as a play room for the children and the other as their bedroom. The rooms shall be constructed with specifications as per clause 19H (ii) a,b & c.
- (ii) The rooms shall be provided with suitable and sufficient openings for light and ventilation. There shall be adequate provision of sweepers to keep the places clean.
- (iii) The contractor shall supply adequate number of toys and games in the play room and sufficient number of cots and beddings in the bed room.
- (iv) The contractor shall provide one ayaa to look after the children in the creche when the number of women workers does not exceed 50 and two when the number of women workers exceed 50.
- (v) The use of the rooms earmarked as creches shall be restricted to children, their attendants and mothers of the children.

9. CANTEENS

- (i) In every work place where the work regarding the employment of contract labour is likely to continue for six months and where in contract labour numbering one hundred or more are ordinarily employed, an adequate canteen shall be provided by the contractor for the use of such contract labour.
- (ii) The canteen shall be maintained by the contractor in an efficient manner.
- (iii) The canteen shall consist of at least a dining hall, kitchen, storeroom, pantry and washing places separately for workers and utensils.
- (iv) The canteen shall be sufficiently lighted at all times when any person has access to it.

- (v) The floor shall be made of smooth and impervious materials and inside walls shall be lime-washed or colour washed at least once in each year.
- Provided that the inside walls of the kitchen shall be lime-washed every four months.
- (vi) The premises of the canteen shall be maintained in a clean and sanitary condition.
- (vii) Waste water shall be carried away in suitable covered drains and shall not be allowed to accumulate so as to cause a nuisance.
- (viii) Suitable arrangements shall be made for the collection and disposal of garbage.
- (ix) The dining hall shall accommodate at a time 30 per cent of the contract labour working at a time.
- (x) The floor area of the dining hall, excluding the area occupied by the service counter and any furniture except tables and chairs shall not be less than one square metre (10 sft) per diner to be accommodated as prescribed in sub-Rule 9.
- (xi) (a) A portion of the dining hall and service counter shall be partitioned off and reserved for women workers in proportion to their number.
- (b) Washing places for women shall be separate and screened to secure privacy.
- (xii) Sufficient tables stools, chair or benches shall be available for the number of diners to be accommodated as prescribed in sub-Rule 9.
- (xiii) (a) 1. There shall be provided and maintained sufficient utensils crockery, furniture and any other equipments necessary for the efficient running of the canteen.
2. The furniture utensils and other equipment shall be maintained in a clean and hygienic condition.
- (b) 1. Suitable clean clothes for the employees serving in the canteen shall be provided and maintained.
2. A service counter, if provided, shall have top of smooth and impervious material.
3. Suitable facilities including an adequate supply of hot water shall be provided for the cleaning of utensils and equipments.
- (xiv) The food stuffs and other items to be served in the canteen shall be in conformity with the normal habits of the contract labour.
- (xv) The charges for food stuffs, beverages and any other items served in the canteen shall be based on 'No profit, No loss' and shall be conspicuously displayed in the canteen.
- (xvi) In arriving at the price of foodstuffs, and other article served in the canteen, the following items shall not be taken into consideration as expenditure namely:-
- (a) The rent of land and building.
- (b) The depreciation and maintenance charges for the building and equipments provided for the canteen.
- (c) The cost of purchase, repairs and replacement of equipments including furniture, crockery, cutlery and utensils.
- (d) The water charges and other charges incurred for lighting and ventilation.
- (e) The interest and amounts spent on the provision and maintenance of equipments provided for the canteen.

(xvii)The accounts pertaining to the canteen shall be audited once every 12 months by registered accountants and auditors.

10. ANTI-MALARIAL PRECAUTIONS

The contractor shall at his own expense, conform to all anti-malarial instructions given to him by the Engineer-in-Charge including the filling up of any borrow pits which may have been dug by him.

11. The above rules shall be incorporated in the contracts and in notices inviting tenders and shall form an integral part of the contracts.

12. AMENDMENTS

Government may, from time to time, add to or amend these rules and issue directions - it may consider necessary for the purpose of removing any difficulty which may arise in the administration thereof.

C.P.W.D. Contractor's Labour Regulations

1. SHORT TITLE

These regulations may be called the C.P.W.D./PWD (DA) Contractors Labour Regulations.

2. DEFINITIONS

i) **Workman** means any person employed by C.P.W.D./PWD (DA) or its contractor directly or indirectly through a subcontractor with or without the knowledge of the Central Public Works Department/PWD (DA) to do any skilled, semiskilled or unskilled manual, supervisory, technical or clerical work for hire or reward, whether the terms of employment are expressed or implied but does not include any person :-

- a) Who is employed mainly in a managerial or administrative capacity : or
- b) Who, being employed in a supervisory capacity draws wages exceeding five hundred rupees per mensem or exercises either by the nature of the duties attached to the office or by reason of powers vested in him, functions mainly of managerial nature: or
- c) Who is an out worker, that is to say, person to whom any article or materials are given out by or on behalf of the principal employers to be made up cleaned, washed, altered, ornamental finished, repaired adopted or otherwise processed for sale for the purpose of the trade or business of the principal employers and the process is to be carried out either in the home of the out worker or in some other premises, not being premises under the control and management of the principal employer.

No person below the age of 14 years shall be employed to act as a workman.

ii) **Fair Wages** means wages whether for time or piece work fixed and notified under the provisions of the Minimum Wages Act from time to time.

iii) **Contractors** shall include every person who undertakes to produce a given result other than a mere supply of goods or articles of manufacture through contract labour or who supplies contract labour for any work and includes a subcontractor.

iv) **Wages** shall have the same meaning as defined in the Payment of Wages Act.

3. i) Normally working hours of an adult employee should not exceed 9 hours a day. The working day shall be so arranged that inclusive of interval for rest, if any, it shall not spread over more than 12 hours on any day.
- ii) When an adult worker is made to work for more than 9 hours on any day or for more than 48 hours in any week, he shall be paid over time for the extra hours put in by him at double the ordinary rate of wages.
- iii) a) Every worker shall be given a weekly holiday normally on a Sunday, in accordance with the provisions of the Minimum Wages (Central) Rules 1960 as amended from time to time irrespective of whether such worker is governed by the Minimum Wages Act or not.
- b) Where the minimum wages prescribed by the Government under the Minimum Wages Act are not inclusive of the wages for the weekly day of rest, the worker shall be entitled to rest day wages at the rate applicable to the next preceding day, provided he has worked under the same contractor for a continuous period of not less than 6 days. Where a contractor is permitted by the Engineer-in-Charge to allow a worker to work on a normal weekly holiday, he shall grant a substituted holiday to him for the whole day on one of the five days immediately before or after the normal weekly holiday and pay wages to such worker for the work performed on the normal weekly holiday at overtime rate.

4. **DISPLAY OF NOTICE REGARDING WAGES ETC.**

The contractor shall before he commences his work on contract, display and correctly maintain and continue to display and correctly maintain in a clear and legible condition in conspicuous places on the work, notices in English and in the local Indian languages spoken by the majority of the workers giving the minimum rates of wages fixed under Minimum Wages Act, the actual wages being paid, the hours of work for which such wage are earned, wages periods, dates of payments of wages and other relevant information as per Appendix 'III'.

5. **PAYMENT OF WAGES**

- i) The contractor shall fix wage periods in respect of which wages shall be payable.
- ii) No wage period shall exceed one month.
- iii) The wages of every person employed as contract labour in an establishment or by a contractor where less than one thousand such persons are employed shall be paid before the expiry of seventh day and in other cases before the expiry of tenth day after the last day of the wage period in respect of which the wages are payable.
- iv) Where the employment of any worker is terminated by or on behalf of the contractor the wages earned by him shall be paid before the expiry of the second working day from the date on which his employment is terminated.
- v) All payment of wages shall be made on a working day at the work premises and during the working time and on a date notified in advance and in case the work is completed before the expiry of the wage period, final payment shall be made within 48 hours of the last working day.
- vi) Wages due to every worker shall be paid to him direct or to other person authorized by him in this behalf.
- vii) All wages shall be paid in current coin or currency or in both.

- viii) Wages shall be paid without any deductions of any kind except those specified by the Central Government by general or special order in this behalf or permissible under the Payment of Wages Act 1956.
- ix) A notice showing the wages period and the place and time of disbursement of wages shall be displayed at the place of work and a copy sent by the contractor to the Engineer-in-Charge under acknowledgment.
- x) It shall be the duty of the contractor to ensure the disbursement of wages in the presence of the Junior Engineer or any other authorized representative of the Engineer-in-Charge who will be required to be present at the place and time of disbursement of wages by the contractor to workmen.
- xi) The contractor shall obtain from the Junior Engineer or any other authorized representative of the Engineer-in-Charge as the case may be, a certificate under his signature at the end of the entries in the "Register of Wages" or the "Wage-cum-Muster Roll" as the case may be in the following form:-
 "Certified that the amount shown in column Nohas been paid to the workman concerned in my presence on at"

6. FINES AND DEDUCTIONS WHICH MAY BE MADE FROM WAGES

- (i) The wages of a worker shall be paid to him without any deduction of any kind except the following:-
 - (a) Fines
 - (b) Deductions for absence from duty i.e. from the place or the places where by the terms of his employment he is required to work. The amount of deduction shall be in proportion to the period for which he was absent.
 - (c) Deduction for damage to or loss of goods expressly entrusted to the employed person for custody, or for loss of money or any other deduction which he is required to account, where such damage or loss is directly attributable to his neglect or default.
 - (d) Deduction for recovery of advances or for adjustment of overpayment of wages, advances granted shall be entered in a register.
 - (e) Any other deduction which the Central Government may from time to time allow.
- (ii) No fines should be imposed on any worker save in respect of such acts and omissions on his part as have been approved of by the Chief Labour Commissioner.
Note :- An approved list of Acts and Omissions for which fines can be imposed is enclosed at Appendix-X
- (iii) No fine shall be imposed on a worker and no deduction for damage or loss shall be made from his wages until the worker has been given an opportunity of showing cause against such fines or deductions.
- (iv) The total amount of fine which may be imposed in any one wage period on a worker shall not exceed an amount equal to three paise in a rupee of the total wages, payable to him in respect of that wage period.
- (v) No fine imposed on any worker shall be recovered from him by installment, or after the expiry of sixty days from the date on which it was imposed.
- (vi) Every fine shall be deemed to have been imposed on the day of the act or omission in respect of which it was imposed.

7. LABOUR RECORDS

- (i) The contractor shall maintain a **Register of persons employed** on work on contract in Form XIII of the CL (R&A) Central Rules 1971 (Appendix IV)
- (ii) The contractor shall maintain a **Muster Roll** register in respect of all workmen employed by him on the work under Contract in Form XVI of the CL (R&A) Rules 1971 (Appendix V).
- (iii) The contractor shall maintain a **Wage Register** in respect of all workmen employed by him on the work under contract in Form XVII of the CL (R&A) Rules 1971 (Appendix VI).
- (iv) **Register of accident** - The contractor shall maintain a register of accidents in such form as may be convenient at the work place but the same shall include the following particulars:
 - a) Full particulars of the laborers who met with accident.
 - b) Rate of Wages.
 - c) Sex
 - d) Age
 - e) Nature of accident and cause of accident.
 - f) Time and date of accident.
 - g) Date and time when admitted in Hospital,
 - h) Date of discharge from the Hospital.
 - i) Period of treatment and result of treatment.
 - j) Percentage of loss of earning capacity and disability as assessed by Medical Officer.
 - k) Claim required to be paid under Workmen's Compensation Act.
 - l) Date of payment of compensation.
- m) Amount paid with details of the person to whom the same was paid.
 - n) Authority by whom the compensation was assessed.
 - o) Remarks
- v) The contractor shall maintain a **Register of Fines** in the Form XII of the CL (R&A) Rules 1971 (Appendix-XI)

The contractor shall display in a good condition and in a conspicuous place of work the approved list of acts and omissions for which fines can be imposed (Appendix-X)
- vi) The contractor shall maintain a **Register of deductions for damage or loss** in Form XX of the CL (R&A) Rules 1971 (Appendix-XII)
- vii) The contractor shall maintain a **Register of Advances** in Form XXIII of the CL (R&A) Rules 1971 (Appendix-XIII)
- viii) The contractor shall maintain a **Register of Overtime** in Form XXIII of the CL (R&A) Rules 1971 (Appendix-XIV)

8. ATTENDANCE CARD-CUM-WAGE SLIP

- i) The contractor shall issue an **Attendance card-cum-wage slip** to each workman employed by him in the specimen form at (Appendix-VII)
- ii) The card shall be valid for each wage period.

- iii) The contractor shall mark the attendance of each workman on the card twice each day, once at the commencement of the day and again after the rest interval, before he actually starts work.
- iv) The card shall remain in possession of the worker during the wage period under reference.
- v) The contractor shall complete the wage slip portion on the reverse of the card at least a day prior to the disbursement of wages in respect of the wage period under reference.
- vi) The contractor shall obtain the signature or thumb impression of the worker on the wage slip at the time of disbursement of wages and retain the card with himself.

9. EMPLOYMENT CARD

The contractor shall issue an **Employment Card** in Form XIV of the CL (R&A) Central Rules 1971 to each worker within three days of the employment of the worker (Appendix-VIII).

10. SERVICE CERTIFICATE

On termination of employment for any reason whatsoever the contractor shall issue to the workman whose services have been terminated, a **Service certificate** in Form XV of the CL (R&A) Central Rules 1971 (Appendix-IX)

11. PRESERVATION OF LABOUR RECORDS

All records required to be maintained under Regulations Nos. 6 & 7 shall be preserved in original for a period of three years from the date of last entries made in them and shall be made available for inspection by the Engineer-in-Charge or Labour Officer or any other officers authorized by the Ministry of Urban Development in this behalf.

12. POWER OF LABOUR OFFICER TO MAKE INVESTIGATIONS OR ENQUIRY

The Labour Officer or any person authorized by Central Government on their behalf shall have power to make enquires with a view to ascertaining and enforcing due and proper observance of Fair Wage Clauses and the Provisions of these Regulations. He shall investigate into any complaint regarding the default made by the contractor or subcontractor in regard to such provision.

13. REPORT OF LABOUR OFFICER

The Labour Officer or other persons authorized as aforesaid shall submit a report of result of his investigation or enquiry to the Executive Engineer concerned indicating the extent, if any, to which the default has been committed with a note that necessary deductions from the contractor's bill be made and the wages and other dues be paid to the laborers concerned. In case an appeal is made by the contractor under Clause 13 of these regulations, actual payment to laborers will be made by the Executive Engineer after the Superintending Engineer has given his decision on such appeal.

- i) The Executive Engineer shall arrange payments to the labour concerned within 45 days from the receipt of the report form the Labour Officer or the Superintending Engineer as the case may be.

14. APPEAL AGAINST THE DECISION OF LABOUR OFFICER

Any person aggrieved by the decision and recommendations of the Labour Officer or other person so authorized may appeal against such decision to the Superintending Engineer concerned within 30 days from the date of decision, forwarding simultaneously a copy of his appeal to the Executive Engineer concerned but subject to such appeal, the decision of the officer shall be final and binding upon the contractor.

15. PROHIBITION REGARDING REPRESENTATION THROUGH LAWYER

- i) A workman shall be entitled to be represented in any investigation or enquiry under these regulations by:-
 - a) An officer of a registered trade union of which he is a member.
 - b) An officer of a federation of trade unions to which the trade union referred to in clause (a) is affiliated.
 - c) Where the employer is not a member of any registered trade union, by an officer of a registered trade union, connected with the industry in which the worker is employed or by any other workman employed in the industry in which the worker is employed.
- ii) An employer shall be entitled to be represented in any investigation or enquiry under these regulations by :-
 - a) An officer of an association of employers of which he is a member.
 - b) An officer of a federation of associations of employers to which association referred to in clause (a) is affiliated.
 - c) Where the employers is not a member of any association of employers, by an officer of association of employer connected with the industry in which the employer is engaged or by any other employer, engaged in the industry in which the employer is engaged.
- (iii) No party shall be entitled to be represented by a legal practitioner in any investigation or enquiry under these regulations.

16. INSPECTION OF BOOKS AND SLIPS

The contractor shall allow inspection of all the prescribed labour records to any of his workers or to his agent at a convenient time and place after due notice is received or to the Labour Officer or any other person, authorized by the Central Government on his behalf.

17. SUBMISSIONS OF RETURNS

The contractor shall submit periodical returns as may be specified from time to time.

18. AMENDMENTS

The Central Government may from time to time add to or amend the regulations and on any question as to the application/Interpretation or effect of those regulations the decision of the Superintending Engineer concerned shall be final.

REGISTER OF MATERNITY BENEFITS (Clause 19 F)

Name and address of the contractor.....

Name and location of the work.....

Name of the employee	Father's/ husband's Name	Nature of employment	Period of actual employment	Date on which notice of confinement given
----------------------	--------------------------------	-------------------------	-----------------------------------	---

1	2	3	4	5
---	---	---	---	---

Date on which maternity leave commenced and ended _____

<u>Date of delivery/</u>	<u>In case of delivery</u>		<u>In case of miscarriage</u>		
Miscarriage	commenced	Ended	Commenced	Ended	
6	7	8	9	10	

Leave pay paid to the employe _____

<u>In case of delivery</u>	<u>In case of miscarriage</u>	Remarks
_____	_____	

Rate of leave pay	Amount paid	Rate of leave pay	Amount paid	
11	12	13	14	15

**SPECIMEN FORM OF THE REGISTER, REGARDING
MATERNITY BENEFIT ADMISSIBLE TO THE CONTRACTOR'S LABOUR
IN CENTRAL PUBLIC WORKS DEPARTMENT WORKS.**

Name and address of the contractor.....

Name and location of the work.....

- 1- Name of the woman and her husband's name.
- 2- Designation.
- 3- Date of appointment.
- 4- Date with months and years in which she is employed.
- 5- Date of discharge/dismissal, if any.
- 6- Date of production of certificates in respect of pregnancy.
- 7- Date on which the woman informs about the expected delivery.
- 8- Date of delivery/miscarriage/death
- 9- Date of production of certificate in respect of delivery/miscarriage.
- 10- Date with the amount of maternity/death benefit paid in advance of expected delivery.
- 11- Date with amount of subsequent payment of maternity benefit.
- 12- Name of the person nominated by the woman to receive the payment of the maternity benefit after her death.
- 13- If the woman dies, the date of her death, the name of the person to whom maternity benefit amount was paid, the month thereof and the date of payment.
- 14- Signature of the contractor authenticating entries in the register.
- 15- Remarks column for the use of Inspecting Officer.

Labour Board

Name of work

Name of Contractor

Address of Contractor

Name of Labour Enforcement officer

Address of Labour Enforcement Officer

SI. No.	Category	Minimum wage fixed	Actual wage paid	Number Present	Remarks

Weekly holiday

Wage period

Date of payment of wages

Working hours

Rest interval

Name and address of contractor

Name and address of establishment under which contract is carried on

Nature and location of work

Name and address of Principal Employer.

For the Month of fortnight

SI. No	Name of Workman	Sex	Father's/Husband's name	Dates					Remarks
1	2	3	4	5					6

Form-XIX
[See rule 78 (2)(b)]
Wages Slip

Name and address of contractor.....

Name and Father's/Husband's name of workman.....

Nature and location of work.....

For the Week/Fortnight/Month ending.....

1- No. of days worked.....

2- No. of units worked in case of piece rate workers.....

3- Rate of daily wages/piece rate.....

4- Amount of overtime wages.....

5- Gross wages payable.....

6- Deduction, if any.....

7- Net amount of wages paid.....

Initials of the contractor or his representative

Form-XIV
[See rule 76]
Employment Card

Name and address of contractor-----

Name and address of establishment under which contract is carried on-----

Name of work and location of work-----

Name and address of Principal Employer-----

1- Name of the workman-----

2- SI. No. in the register of workman employed-----

3- Nature of employment/designation-----

4- Wage rate (with particulars of unit in case of piece work)-----

5- Wage period-----

6- Tenure of employment-----

7- Remarks-----

LIST OF ACTS AND OMISSIONS FOR WHICH FINES CAN BE IMPOSED

In accordance with rule 7(v) of the CPWD Contractor's Labour Regulations to be displayed prominently at the site of work both in English and local Language.

1. Willful insubordination or disobedience, whether alone or in combination with other.
2. Theft fraud or dishonesty in connection with the contractors beside a business or property of CPWD.
3. Taking or giving bribes or any illegal gratifications
4. Habitual late attendance.
5. Drunkenness lighting, riotous or disorderly or indifferent behavior
6. Habitual negligence.
7. Smoking near or around the area where combustible or other materials are locked
8. Habitual indiscipline.
9. Causing damage to work in the progress or to property of the CPWD or of the contractor.
10. Sleeping on duty.
11. Malingering or slowing down work.
12. Giving of false information regarding name, age father's name, etc.
13. Habitual loss of wage cards supplied by the employers.
14. Unauthorized use of employer's property of manufacturing or making of unauthorized particles at the work place.
15. Bad workmanship in construction and maintenance by skilled workers which is not approved by the Department and for which the contractors are compelled to undertake rectifications.
16. Making false complaints and/or misleading statements.
17. Engaging on trade within the premises of the establishments.
18. Any unauthorized divulgence of business affairs of the employees.
19. Collection or canvassing for the collection of any money within the premises of an establishment unless authorized by the employer.
20. Holding meeting inside the premises without previous sanction of the employers.
21. Threatening or intimidating any workman or employer during the working hours within the premises.

Appendix 'VIII'
Form XXII (See Rule 78 (2)(D))
Register of Advances

Name and address of contractor

Name and address of establishment in under which contract is carried on

Nature and location of work

Name and address of Principal Employer

S. No.	Name of workman	Father's / Husband's name	Designation / nature of employment	Wages Period and Wages Payable	Date and Amount of ADVANCE GIVEN	Purpose (s) For which advance made	Number of installments by which advance to be repaid	Date and Amount of each installment repaid	Date and which last installment was repaid	Remarks
1	2	3	4	5	6	7	8	9	10	11

Appendix 'IX'
Form XXIII (See Rule 78 (2)(E))
Register of Overtime

Name and address of contractor

Name and address of establishment in under which contract is carried on

Nature and location of work

Name and address of Principal Employer

Serial No.	Name of workmen	Father's/Husband's Name	Sex	Designation/Nature of Employment	Date on which overtime worked	Total Overtime worked or production in case of piece rated	Normal rate of wages	Overtime rate of wages	Overtime earning	Rate on which Overtime paid	Remarks
1	2	3	4	5	6	7	8	9	10	11	12

APPENDIX XV
Notice for appointment of Arbitrator [Refer Clause 25]

To,
The Director
AIIMS, Jodhpur

Dear Sir,

In terms of clause 25 of the agreement, particulars of which are given below, I/we hereby give notice to you to appoint an arbitrator for settlement of disputes mentioned below:

1. Name of applicant
2. Whether applicant is Individual/Prop. Firm/Partnership Firm/Ltd. Co.
3. Full address of the applicant
4. Name of the work and contract number in which arbitration sought
5. Name of the Division which entered into contract
6. Contract amount in the work
7. Date of contract
8. Date of initiation of work
9. Stipulated date of completion of work
10. Actual date of completion of work (if completed)
11. Total number of claims made
12. Total amount claimed
13. Date of intimation of final bill (if work is completed)
14. Date of payment of final bill (if work is completed)
15. Amount of final bill (if work is completed)
16. Date of request made to SE for decision
17. Date of receipt of SE's decision
18. Date of appeal to you
19. Date of receipt of your decision.

Specimen signatures of the applicant (only the person/authority who signed the contract
should sign)

I/We certify that the information given above is true to the best of my/our knowledge.
I/We enclose following documents.

1. Statement of claims with amount of claims.

Yours faithfully,
(Signatures)

Copy in duplicate to:

1. The Executive Engineer,
.....Division.

PROFORMA OF SCHEDULES
(Refer standard clauses of contract of CPWD)

SCHEDULE 'A'

Schedule of quantities (Enclosed)

SCHEDULE 'B'

Schedule of materials and services to be issued to the contractor.

S. No.	Description of item	Quantity	Rates in figures & words at which the material will be charged to the contractor	Place of issue
1.	2.	3.	4.	5.
	----- NIL-----	----- NIL	-----	-----

SCHEDULE 'C'

Tools and plants to be hired to the contractor

Sl. No.	Description	Hire charges per day	Place of issue
1.	2.	3.	4.
01	Area for storage / Site Office	As per Clause	Site Premises
02	Temporary Building	As per Clause	Site Premises
03	Labour Hutments	No Labour Hutment permitted at site	

SCHEDULE 'D'

Extra schedule for specific requirements/documents for the work, if any

-----NIL-----

SCHEDULE 'E'

Reference to General Conditions of contract

**General Conditions of
Contracts 2014 (amended up to
CON-292)**

NAME OF WORK: SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF ACOUSTICS INTERIOR WORKS FOR AUDITORIUM AT AIIMS, JODHPUR

Estimated cost of work : Rs. 1,98,01,427 /

- (i) **Earnest money : Rs. 3,96,000./-**
- (ii) Performance Guarantee 5% of contract value
- (iii) Security Deposit 5% of contract value

SCHEDULE 'F'

General Rules & Directions :

Officer inviting tender
Jodhpur

EE (Civil), Project Cell, AIIMS

Definitions:

2(v) Engineer-in-Charge

SE, Project Cell, AIIMS Jodhpur

2(viii) Accepting Authority

Director & CEO, AIIMS, Jodhpur

2(x) Percentage on cost of materials and
labour to cover all overheads and profits

15%

2(xi) Standard Schedule of Rates
Survey

Delhi Schedules of rates 2014/ Market

2(xii) Department

AIIMS, JODHPUR

9(ii) Standard CPWD contract Form GCC 2014, CPWD form 7/8 **modified & corrected
upto CON 292**

Clause 1

- (i) Time allowed for submission of Performance Guarantee,
programme Chart (Time and progress) and
applicable labour licences, registration with EPFO,
ESIC or proof of applying thereof

from the date of issue of letter of acceptance

07 days

- (ii) Maximum allowable extension with late fee @0.1% per day of performance guarantee amount beyond the period (provided in i) above
03 days

Clause 2

Authority for fixing compensation under Clause 2

Director & CEO, AIIMS, Jodhpur

Clause 2A

Whether Clause 2A shall be applicable

Yes

Clause 5

Number of days from the date of issue of letter of acceptance for reckoning date of start

Immediate/03days

Mile stone(s) as per table given below:-

Table of Mile Stone(s)

Sl. No.	Description of Milestone (Physical)	Time Allowed in days (From date of start)	Amount to be withheld in case of non-achievement of milestones
1	Supply & approval of samples	07	1.5% of contractors amount
2	Supply of 50% quantity / work done	45	1.5% of contractors amount
3	Completion of work	90	1.5% of contractors amount

Time allowed for execution of work.

90 days

Authority to decide:

- (i) Extension of time: Superintendent Engineer **AIIMS Jodhpur** (Engineer in Charge or Engineer in Charge of Major Component in case of Composite Contracts, as the case may be)

- (ii) **Rescheduling of mile stones: Director & CEO AIIMS Jodhpur** (Superintending Engineer in Charge or Superintending Engineer in Charge of Major Component in case of Composite Contracts, as the case may be)

- (iii) Shifting of date of start in case of delay in handing over of site Director & CEO AIIMS Jodhpur (Superintending Engineer in Charge or Superintending Engineer in Charge of Major Component in case of Composite Contracts, as the case may be)

Clause 6, 6A

Clause applicable –(6 or 6A)

6A

Clause 7

Gross work to be done together with net payment/
Adjustment of advances for material collected, if
any since the last such payment for being eligible
to interim payment.

Rs 50 Lakhs

Clause 7A

Whether Clause 7A shall be applicable

No

Clause 10A

List of testing equipment to be provided by the contractor at site lab.
As per Work requirement

Clause 10B (ii)

Whether clauses 10B (ii) shall applicable

No

Clause 10C

Component of the labour expressed as percentage of value
of the work

N.A.

Clause 10CA

S.N	Material covered under this clause	Nearest Materials (other than cement, reinforcement bars and the structural steel) for which All India Wholesale Price Index to be followed	Base Price of all Materials covered under clause 10 CA*
1	Cement	-----Nil----- -	-----Nil----- -----
2	Steel reinforcement bars	-----Nil-----	-----Nil----- -----
3	Other material	-----Nil----- -----	-----Nil----- -----

* Base price of all the materials covered under clause 10 CA is to be mentioned at the time of approval of NIT.

CLAUSE 10 CC

Clause 10 CC to be applicable in contracts with stipulated
period of completion exceeding the period shown in next
column.

12 Months

Schedule of component of other Materials, Labour, POL etc ,for price escalation

Component of civil (except materials covered
under clause 10 CA)/Electrical construction value of work

Xm NIL %

Component of labour-expressed as percent of total value of work

Y NIL.%

Clause 11

Specification to be followed for execution of work

CPWD Specifications for Works -2009, Vol I & II with up to date correction slips till last date of submission of tender and as detailed in nomenclature of item. Particular specification attached with the tender.

Clause 12

Deviation limit beyond which clauses 12.2 & 12.3 shall apply for **building work**

.....30%.....

Deviation limit beyond which clauses 12.2 & 12.3 shall apply for foundation work (except items mentioned in earth work sub head in DSR and related items)

.....NA.....

Deviation limit for items mentioned in earth work sub head of DSR and related items

.....NA.....

Clause 16

Competent Authority for deciding reduced rates

Director &CEO AIIMS Jodhpur

Clause 18

List of mandatory machinery tools & plants to be deployed by the contractor at site:-
As per work requirement and directions of Engineer –in-Charge.

S/No	Minimum qualification of technical representative	Discipline	Designation (principal technical/technical representative)	Minimum Exp in Yrs	Number	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of clause 36(i) per month	
						Figures	Words
1	Graduate Engineer	Electrical	Principal Technical Representative	05	01	Rs 25000/-	Twenty five thousand only
2	Graduate Engineer Or Diploma Engineer	Electrical	02 Project Planning / Site/Billing Engineer	02 05	01	Rs 15000/-	Fifteen thousand only

Clause 25

Constitution of Dispute Redressal Committee (DRC)
DRC shall constitute one chairman and two members

Clause 36 (i): Requirement of Technical Representative(s) and recovery Rate

Note: Assistant Engineers, retired from Govt. services that are holding Diploma, will be treated at par with Graduate Engineers.

Diploma holders with minimum 10 years relevant experience with reputed construction co. can be treated at par with graduate engineers for the purpose of such deployment subject to the condition that such diploma holders not exceed 50 % of requirement of degree engineers.

Clause 42

(i) (a) Schedule/statement for determining theoretical quantity of cement & bitumen on the basis of **Delhi Schedule of Rates 2014** printed by C.P.W.D.

(ii) Variations permissible on theoretical quantities.

(a) Cement for works with estimated cost put to tender not more than 5 lakhs

3% plus/minus

For works with estimated cost put to tender more than 5 lakhs

2% plus/minus

(b) Bitumen for all works.
& nil on minus side.

2.5 % plus & only

(c) Steel Reinforcement and structural steel sections for each diameter , section and category

2% plus/minus

(d) All other materials

Nil

RECOVERY RATES FOR QUANTITIES BEYOND PERMISSIBLE VARIATION

Sl. No.	Description of item	Rates in figures and words at which recovery shall be made from the Contractor.	
		Excess beyond permissible variation	Less use beyond the permissible variation.
1.	Cement	-----NIL-----	-----NIL-----
2.	Steel reinforcement		
3.	Structural Sections		
4.	Bitumen issued free		
5.	Bitumen issued at stipulated fixed price		

SPECIAL CONDITIONS OF CONTRACT (SCC)

1. Definitions and interpretation

1(a) “Project Consultant” or “PC” means consultant appointed by the Client for overall supervision of the project.

(b) “Specification” means the specification included and/ or referred to in the Tender document and any modification thereof or addition thereto as may from time to time be issued to the Contractor.

(c) “Temporary Works” means all temporary works of every kind required in or about the execution and completion or maintenance of the Works and the remedying of any defects therein.

(d) “Urgent Works” means any urgent works which in the opinion of the Client and or E.I.C. becomes necessary at the time of execution and/or during the progress of work to obviate any risk of accident or failure or to obviate any risk of damage to the structure of services or required to accelerate the progress of the work for which becomes necessary for safety and security or for any other reason the Client and or E.I.C may find it necessary.

2. Scope of Contract

The contract comprises the construction / SITC, completion, remedying the defect of the works and except in so far as the Contract otherwise stipulates the provision of all labour, materials, constructional plant, machinery temporary works and everything whether of a temporary or permanent nature required in and for such construction / SITC, completion and maintenance so far as necessary for providing the same as specified in or reasonably to be inferred from the Contract.

3. Drawings

(a) Tender Drawings

The tender drawings furnished by the Consultant are for Tender Purpose only and are intended as a guide to the Bidder/Contractor and give general layout of buildings and general information of structures and general positions of utilities, services and equipments only. Contractors quoted rate for any item should not be based on any measurement, quantity, and specification from these drawings. Any claim raised by the contractor in this regard shall not be valid in this contract and shall not be accepted by the Client.

(b) Issue and custody of drawings & specifications

The contractor on the signing of contract shall be furnished by PC / SE free of cost two copies of all drawings prepared by the Auditorium consultant and all further drawings issued during the progress of the works. The contractor shall keep one copy of all drawings at the works site and the Client/SE shall at all reasonable time have access to the same.

Before the issue of the final certificate to the contractor, he shall forthwith return to the SE all drawings and specifications.

The drawings shall be provided to the Contractor as per the schedule (prepared at the starting of the works and necessarily updated or revised time to time) mutually agreed by the EIC and the Contractor. Last major drawings may be provided as per the schedule prior to the stipulated date of completion and the Contractor, if found necessary shall increase his resources and efforts so as to complete the works within stipulated time.

From time to time during the course of contract revised drawings may be issued to the Contractor and the Contractor shall ensure that all superseded drawings are removed from site and stored in a lockable cabinet as directed by the SE / PC and replaced by revised drawings.

The Contractor shall maintain complete up to date Register of drawings to be maintained at site. All drawings shall be properly filed and indexed for ready reference.

The contractor shall ensure that only the valid up to date drawings are used for setting out, construction and preparation of working drawings etc.

Detail drawings in all cases shall be worked to in preference to those of a more general nature and figured dimensions were indicated shall be followed in preference to sealed dimensions.

(c) Working Drawings

Working drawings shall mean any of all drawings, required for satisfactory execution of the work. Two sets of all the working drawings shall be provided to the contractor by SE / PC

Working drawings to be supplied by the SE / PC shall be such that that all details are included and in an appropriate scale to ensure that the Works are properly executed, coordinated and installed in accordance with drawings and specifications issued by SE / PC and as directed by the SE / PC.

The Contractor shall be entirely responsible for co – ordination of entire work at site including the works carried out and shall ensure that all necessary working drawings are properly prepared & executed by the Contractor.

Review and approval will not extend to means, methods, techniques sequences or procedures of construction. The review and approval of a separate item as such will not indicate approval of the assembly in which the item functions.

(d) As – Built Drawings (related to working drawings)

“As Built Drawings” shall be provided by Contractor at the time of handing over and shall be prepared by the Contractor at his own cost.

As – built drawings shall be under preparation from the onset of the contract, in order that all minor amendments and discrepancies from the “Working Drawings” are incorporated. To ensure that this requirement is complied with the PC shall inspect the drawings on his request as the Works proceed. The Contractor shall submit 3 sets of “As Build” drawings. One shall be transparency and other shall be prints.

At the discretion of the SE / PC and subject only to his express agreement certain workings drawings may be modified and submitted to the SE / PC as the “As Build” drawings.

6. Disruption of Progress

(a) The Contractor shall give adequate but not less than 1 week written notice to the SE / PC whenever planning or progress of the Works is likely to be delayed or disrupted unless any further drawing or order, including a direction, instruction or approval, is required to be issued by the SE / PC. The notice shall include details of the drawing or order required explaining why and by when it is required and of any delay or disruption likely to be suffered if it is late.

(b) If by reason of any failure or inability of the SE / PC to issue within 1 week any drawing or instruction for which notice has been given by the Contractor and the contractor suffers delay then the SE / PC shall after due consultation with the contractor recommend to the Client any extension of time under respective clause. Notwithstanding anything stated above, the contractor shall not be eligible for any financial compensation arising out of the above.

7. Further Drawings and Instructions

The contractor shall carry out and complete the said work in every respect in accordance with this Contract and with the directions of and to the satisfaction of the SE / PC. The SE / PC may in his absolute discretion and from time to time further issue drawings and/or written instructions, details, directions and explanations, which are hereafter collectively referred to as “SE / PC Instruction” in regard to:

(a) The variation or modification of the design, quality or quantity of items of works or the addition or omissions or substitution of any item.

(b) Any discrepancy in the drawings or between the bill of quantities and/or drawings and/or specification.

(c) The removal from the site of any material brought thereon by the contractor and the substitution of any other material therefore.

(d) The removal and/or re-execution of any works executed by the Contractor.

(e) The dismissal from the works of any persons employed thereupon.

(f) The opening up for inspection of any work covered up.

(g) The amending and making good of any defects under clause thereof.

The contractor shall forthwith comply with and duly execute any work comprised such as SE / PC's instructions provided always that verbal instructions, directions and explanations given to the contractor or his representative upon the works by the SE / PC, shall if involving a variation, be confirmed in writing by the contractor within three days, and if no dissented from in writing within a further three days by the SE / PC, such shall be deemed to be SE / PC instructions within the scope of the contract.

8. Authority and Duties of the Project Consultant

The PC has been appointed by and duly authorized by the Client to supervise, test examine, approve or reject any material and/or works, to order, cancel, alter, modify, any of the materials, items of works within the framework of the contract and as per the technical specifications, drawings and schedule of items issued by the PC and the Auditorium consultant. The PC is further authorized to administer the contract, check, correct, modify and certify or reject any bill or requests for payment for materials, items or works. The PC shall obtain prior approval of the Client for any deviation from the contract including extension of time to the contractor.

The duties of PC are given in this document elsewhere, however main duties are as under:-

- (a) Monitor and supervise the work.
- (b) Test and examine any materials to be used in the works.
- (c) Check workmanship of the item executed.
- (d) Ensure correct measurement of BOQ.
- (e) Prepare & issue certificate of payment and recommend for payment to Client.
- (f) Order variation of quantities, items etc.
- (g) Record extra item of the work.
- (h) Check the rate analysis of extra items.
- (i) Ensure complete compliance with the drawings, technical specification and various requirement of contract Documents.

9. Contractor's General Responsibilities

- (a) Execution of works

The Contractor shall, subject to the provisions of the Contract, and with due care and diligence, execute and complete the Works & remedy any defects therein in accordance with the Contract. The Contractor shall provide all labour, including the supervision thereof, materials and all other things, whether of a temporary or permanent nature, required in and for such execution, completion, maintenance and remedying of any defects in and for such execution, completion, maintenance and remedying of any defects, so far as the necessity for providing the same is specified in or is reasonably to be inferred from the Contract.

If the contractor finds any discrepancy in the drawings or between the drawings bill of quantities and specifications, he shall immediately and in writing refer the same to the SE / PC who shall decide which is to be followed.

The successful contractor is bound to carry out any items of work necessary for the completion of the job even through such items are not included in the bill of quantities and rates instructions in respect of such additional items and their quantities will be issued in writing by the SE / PC.

The contractor must bear in mind that all the work shall be carried out strictly in accordance with the specifications as given in these documents and also in compliance of the requirements of the local public authorities and to the Requirements/satisfaction / direction of the SE / PC and no deviation of any account will be permitted.

The contractor shall have to use materials from the makes/manufacturers specified in the list of materials of approved brand and/or manufacture contained in the contract documents and as approved by SE / PC after due consent by Client. Wherever different pattern/Design/Quality of materials with same specification make as specified in the contract, is available in the market, Project Consultant in consultation with Engineer –in – Charge will approve the pattern/Design/Quality of the material/item which shall be final and binding on the contractor. Project consultant / E.I.C. is empowered to cancel an approval of material if subsequently it is found that approved material once brought at site and tested does not meet the requirement as specified in the contract. In such case Project Consultant will accord approval of alternate material in consultation with Engineer-in-Charge.

(b) Adequacy, stability and safety:

The contractor shall take full responsibility for the adequacy, stability and safety of all site operations and methods of construction.

(c) Temporary works and arrangements:

The contractor shall furnish to the SE / PC full particulars, drawings, etc. of all temporary works necessary for the execution of the works and shall allow sufficient time for SE / PC to consider the same. The SE / PC reserve the right to comment on the Contractor's proposals if they consider that modifications should be made. The Contractor's shall be solely responsible for the stability and safety of all temporary works including obtaining statutory approvals and payment of statutory fees, if any. The SE / PC will indicate the site(s) for such temporary works and the Contractor will have to restrict his requirements to the same .Should it be necessary to shift the temporary works to some other allotted place during the execution of the works, the Contractor shall do so, when informed by the PC, at his own cost and without any delay or demur. Such shifting of temporary works may be in part or in full.

(d) Initial and Final Clearance of site for temporary works:

The contractor shall be responsible for the clearance of the site of all mulbah, rubbish etc. to be removed off site to a location to be provided by the contractor and approved by the SE / PC. The cost of all this shall be borne by the contractor.

(e) Storage cleaning and Dewatering

The Contractor shall at all times during construction keep the Site clean and free from all debris and unwanted materials on a daily basis as per instructions of the SE / PC.

Storage of materials shall be in organized manner and in proper compartments as directed by Project Consultant / E.I.C. storage on suspended floors shall not be permitted unless specifically approved in writing by the SE / PC for specific materials in specific locations and in approved manner, SE / PC shall be furnished with load details, if requested, before seeking approval for storage.

Regular cleaning operations shall be undertaken to remove all dust, debris, waste materials etc. A cleaning schedule shall be maintained.

Contractor shall make his own arrangement for storage of those materials, which can be accommodated at site. Contractor shall be fully responsible for safe custody of the same. Materials shall be considered as "Delivered at site" only after the physical presence of materials at site are verified by the SE / PC. Stores elsewhere shall not be eligible for being considered as "Delivered at site".

Contractor shall be responsible to keep entire site free from water due to water coming from any source at any source at any level and shall protect all materials and works from being damaged by the water from any source. Any expenditure incurred by the Contractor in

fulfillment of his obligations under this sub-clause shall be deemed to have been included in the Contract sum.

(f) Coordination of builders work required for services and Installation of equipments:

The Contractor shall co-ordinate the requirements for holes, fixings and builders work, for internal and external services installations in accordance with the requirements of the relevant drawings, which shall be made available to Contractor by the SE / PC.

The Contractor's attention is also drawn to the fact that all holes chases, etc. shall be left in the building work as it proceeds and cut-out subsequently except in so far as may be necessary due to subsequently except in so far as may be necessary due to subsequent authorized instructions,

The Contractor shall therefore obtain necessary builders work details in such order and in such time as to enable them to be checked and approved by the PC not less than one week before the actual construction is planned to take place.

10. Watching & Lighting

The Contractor shall throughout the execution and completion of the Works and the remedying of the Site and the Works and the remedying of any defects therein have full regard for the safety of all persons entitled to be on the Site and keep the site and the Works in Orderly state appropriate to the avoidance of danger to such persons and in connection with the Works provide and maintain at his own cost all lights, guards, fencing and watching when and where necessary or required by the PC, or by any duly constituted authority, for the execution and for the protection of the Work, and/or for the safety and convenience of the public or others and take all reasonable steps to protect the environment on and off the site and to avoid damage or nuisance to person or property of the public or others resulting from pollution, noise and other causes as a consequence of his methods of operation.

11. Care of Works

From the commencement to the certified completion of whole works, the Contractor shall take full responsibility for the care thereof and of all temporary works and in case any damage loss or injury shall happen to the works or to any part thereof or to any temporary works from any cause whatsoever save and except the expected risks as defined in sub clauses of Clause -12.

The contractor shall at his own cost repair and make good the same so that on completion, the works shall be in good order and condition and conformity to every respect with requirements of the contract and PC's instructions. The Contractor shall also be liable for any damage to the to the works occasioned by him including subcontractors in the course of any operations carried out by him for the purpose of completing any outstanding work and complying with his obligations under clause 32 hereof. The contractor shall indemnify the Employer from all risks on this account.

12. Expected Risks & Force Majeure

(a) Expected Risks

The "expected risks" are war, hostilities (whether war declared or not), invasion act of foreign enemies, rebellion, revolution, insurrection or military or usurpe power, civil war, or (unless solely restricted to the Contractor or of his sub-Contractors and arising from the conduct of, their workmen) riot, commotion or disorder or radiation or contamination by radio-activity and other hazardous properties of any explosive, nuclear fuel or from any nuclear waste from the combustion of nuclear fuel, radioactive toxic explosive, nuclear assembly nuclear component thereof, pressure waves caused by aircraft or aerial devices traveling at sonic or supersonic speed, or any such operation of the forces of nature as an experienced contractor

could not foresee, or reasonably make provision for any insure against all of which are herein collectively referred to as “the expected risk”.

(b) Force Majeure

- (i) Any failure or delay in the performance by either party hereto of its obligations under his Contract shall not constitute, a breach thereof or give rise to any claims for damages if, and to the extent that it is caused by occurrences beyond the control of the party affected, namely, acts of God, floods, explosions, wars, riots, storms, earthquakes, insurrection, epidemic or other natural disasters. The party so affected shall continue to take all actions reasonably within its power to comply as far as possible with its obligations under this Contract. The affected party shall promptly notify the other Party after the occurrence of the relevant event and shall use every reasonable effort to minimize the effects of such event and act in all good faith with due care and diligence.
- (ii) In the event of the effect of force majeure continuing beyond the period of One hundred and eighty (180) days, the parties shall mutually decide whether or not to terminate this Contract. In the event of termination of contract the contractor shall be paid for the work done and which has been accepted and certified by the PC and shall not assert any additional claims against the Client.

13. Contractor's Superintendence

(a) The contractor shall be solely responsible for the means, methods, techniques, sequence and procedure of construction. The Contractor shall be responsible to see the completed work complies accurately with the Contract Document.

The Contractor shall give or provide all necessary superintendence during the execution of the Works.

(b) Contractor's Senior Representative for Execution & Coordination of Works

The Contractor shall have on site all times during working hours throughout the course of the Contract or at least one Competent senior representative who shall be empowered to make decisions binding on the Contractor in respect of all matters likely to arise in connection with the execution & coordination of the works at site and shall keep SE / PC informed at all times about the name and designation of such representative. Contractor's Senior Representative shall have the power to take joint measurement and sign the measurement books/bills. Any direction, explanations, instructions or notices given by the SE / PC to such representative shall be held to be given to the Contractor. In case of absence of Senior Representative from the site other alternative representatives must be available at site with same powers. The curriculum vitae (CV) of the following key personnel proposed to be deployed at site for the entire duration is also required to be submitted.

- Director/Project Coordinator
- Project Managers
- Construction Engineers
- Project Engineers
- Billing Engineers
- Quality Control Engineers
- Planning Engineers
- Safety Engineer

It may please be noted that the contractor under normal circumstances would not be allowed to replace the key personnel during the execution of the contract. However, for any reasons, due to unavoidable circumstances if it becomes necessary in the interest of

the project to replace any one /all the above key personnel the Contractor must submit the CV of the new personnel (having similar qualification and experience) to PC for their approval.

A list of all technical and key personal staffs must be submitted to the SE / PC with their area of work /responsibility with verified signature and the link persons to receive the instruction at site (in case the main person was not found at site) during the inspection by representative of client and /or PC. If any staff of contractor was found not sufficient suitable capability to execute the assigned work for the project must he replaced by the contractor.

(c) Contractor's Employees

The Contractor shall provide and employ, after approval from the PC on the site in connection with the execution, completion of works and remedying any defects therein all Engineering staff / technical assistants are qualified, skilled and experienced in their respective trades, foremen and leading hands as are component to give proper supervision, ensuring quality & output to the work they are required to supervise, and also such skilled, semi-skilled and un skilled labour as are necessary for the proper and timely execution, completion of work and remedying and defects in the works No child labour shall be employed on the work. All the skilled semi-skilled and unskilled labour shall work under the sole guidance of the contractor's senior representative.

(d) Removal of Contractor's Employees

The Contractor shall on the direction of the PC/Engineer-in-Charge immediately dismiss from the works any person employed thereon by him who may, in the opinion of the PC/Engineer-in-Charge be incompetent or misconduct himself and such person shall not be again employed on the works without the permission of the PC.

(e) Unauthorized Persons

No Unauthorized persons are allowed on the site. The Contractor shall instruct all such persons to keep out and shall take steps to prevent trespassing .however the Contractor will make sure to provide free access at any time for PC to the site and other working places.

14. Compliance with Statues, Regulations, Etc.

The contractor shall conform to provisions of any statue ,ordinance, law, act of the legislature relating to the works, and to the regulations an by-laws of any local or other duly constituted authority and of any water, electric supply and other companies and/or authorities with whose systems the structure is proposed to be connected. The Contractor shall keep the Client and PC indemnified against all fines or penalties or liability of every kind for breach of any such statutory ordinance, law act of the legislation, regulations, and byelaws as aforesaid.

The Contractor shall before making any variations from the drawings or specification that may s that may be necessitated by so regulations, give to the PC written notice, specifying the variation proposed to be made and the reasons for making it and apply for instructions thereon. The Contractor will not execute any work without written permission from the SE / PC.

The contractor shall bring to the attention of the PC all notices required for execution by the said acts, regulations or bye-laws to be given to any authority and pay to such authority or to any public office all fees that may be properly chargeable in respect of the works and lodge the receipts with the SE / PC.

15. Quality of Materials, Workmanship and Test

- (a) All materials and Workmanship shall be the best of the respective kinds described in the Contract and in accordance with the PC's Instructions and shall be subjected from time to time to such tests as the PC may direct at the place of manufacture or fabrication or on the Site or at an approved testing laboratory, The source of supply and /or manufacturing within/out site India may be inspected by the Client/any representative as nominated by the client. The expenditure on this account is deemed to be included in the rate quoted.

The contractor shall upon the instruction of the PC's representative furnish him with documentation to prove that the materials & goods comply with the requirements of contract and for requirements stated above. The PC may issue instruction in regard to removal of material from site or any work, if these are not in accordance with the contract. The contractor shall provide such assistance instruments, machinery, labour and materials as are normally required for examining, measuring, sampling and testing and-material or part of work before incorporation in the works for testing as may be selected and required by the PC.

Client may carry out Third Party Quality Assurance/Audit by an independent agency/ individual/firm/institute at-any time. The agency will be permitted and offered all support related to site inspection by the contractor. Suggestions therein will be carried out without any extra cost.

(b) Samples

- (i) All samples of adequate numbers, sizes, shades & pattern as per specification shall be supplied by the contractor without any extra charge Contractor shall submit Samples to the PC for approval. If certain items proposed to be used are of such nature that samples cannot be presented or prepared at the site, detailed literature/test certificate of the same shall be provided instead to the satisfaction of the PC. Each Sample will be identified clearly as to material, Supplier. pertinent data such as catalogue numbers and the use for which intended and otherwise as PC may require to review the submittals for the limited purposes required by paragraph (d) below. The numbers of each Sample to be submitted will be as specified in the Specifications, or as shall be specified by the PC/DC. The sample, room will be made and maintained with all the samples approved till the end of warranty period /defect liability period.
- (ii) Submittal Procedures
- (aa) Before submitting each Sample, Contractor shall have determined and verified all materials with respect to intended use-fabrication, shipping, handling, storage, assembling and installation pertaining to the performance of the Work and All information relative to Contractor's sole responsibilities in respect of means, methods, techniques, sequences and procedures of constructions and safety precautions and programmes incident thereto.
- (ab) Each submittal will bear in specific written indication that Contractor has satisfied Contractor's obligation under the Contract Documents, with respect to Contractor's review and approval of that submittal.
- (ac) At the time of each submission, contractor shall give PC specific written notice of such variations if any that the sample submitted may have from the requirements of the contract document, such notice to be separate from the submittal and in addition shall cause a specific notation to be made on each sample submitted for review and approval of each such variation.
- iii) Review and Approval: Sample shall be reviewed and approved only to determine if the items covered by the submittals will, after installation or incorporation in the work, conform to the information given in the contract

- documents and be compatible with the design concept of the complete project functioning as a whole as indicated by the contract documents, drawings.
- iv) Review and approval will not extend to means, methods, techniques, sequences or procedures of construction. The review and approval of a separate item as such will not indicate approval of the assembly in which the item functions. Contractor shall make corrections required by PC and shall submit as required new Samples for review and approval. Contractor shall direct specific attention in writing to revisions other than the corrections called for and by PC on previous submittals.
 - (v) Above referred review and approval Samples shall not relieve Contractor from responsibility for any variation from the requirements of the contract Document unless Contractor has in writing called PC attention to each such variation at the time of submission as specified above and received written approval of each such variation by specific written notation thereof incorporated in or accompanying the Sample approval ; nor will any approval by PC relieve Contractor from responsibility for complying with the requirements of contract.
 - (vi) Only when the samples are approved in writing by the Client / PC, the contractor shall proceed with the procurement and installation of the particular material/equipment. The approved samples shall be signed by the Client / PC for identification and shall be kept on record at site office until the completion and acceptance of the work and shall be available at the site for inspection/comparison at any time. The contractor shall keep with him a duplicate of such samples to enable him to process the matter.
 - (vii) For items of works where the samples are to be made at the site, the same procedure shall be followed. All such samples shall be prepared at a place where it can be left undisturbed until the completion of the project.
 - (viii) The PC shall communicate his comments/approval to the Contractor to the samples at his earliest convenience. Any delay that might occur in approving of the samples for reasons of its not meeting with the specifications or other discrepancies, inadequacy in furnishing samples of best qualities from various manufacturers and such other aspects causing delay in the approval of the materials/equipment's etc., shall be to the account of the contractor. In this respect the decision of the PC shall be the final.
 - ix) On delivery of the supplies of materials /equipments for permanent works at the site, the contractor shall specifically arrange to get the supply inspected by the PC and compared with the approved samples and his specific obtained before using the same in the work.
 - x) Approving authority of sample: Sample of items costing up to Rupees five lacs will be approved by PC and incase the total cost of items is more than Rupees five lacs, PC will recommend and final approval will rest with client .
- (c) Cost of Tests
The cost of making any test shall be borne by the Contractor as intended by or provided for the contract or as found necessary by the PC for ascertaining whether the quality of materials intended to be used by the Contractor in the Works is acceptable, whether any finished or partially finished work is appropriate for the purposes which it was intended to fulfill.
- (d) Standards and codes
The Contractor shall at his own cost provide one set of approved standards and codes to which the proposed materials, items & works to be executed shall conform. Such a set shall be handed over to client and PC for ready reference .All materials,

items and works, when submitted for approval shall have reference of Tender Specifications and drawings and of clauses of relevant standard codes for acceptance criteria.

(e) Testing facilities

The Contractor shall at his own cost provide testing facilities as per CPWD scale and IS codes at site as stipulated in the CPWD Works manual/as per Contract document or as directed by the PC.

In case certain tests are to be carried out in approved outside laboratory, as stipulated in the contract document/as directed by the PC, the Contractor shall bear entire cost including samples, taking samples, testing, reports etc.

17. Absence of Specifications

If the specifications do not contain particulars of materials and works which are obviously necessary for the proper completion of the works, and the intentions to include, which is referred, all such materials and works shall be supplied and executed by the Contractor without extra charge. If the Contractor requires additional information, he shall In pursuance of clause 2 hereof, so request in writing well in advance to commencement of the particular work to the PC who will issue such detailed information within a reasonable time.

18. Obtaining Information's related to Execution of work

No claim by the Contractor for additional payment will be entertained which in consequent upon failure on his part to obtain correct information as to any matter affecting the execution of the works, nor will any misunderstandings or the obtaining of incorrect information or the failure to obtain information relieve him from any risks or from the entire responsibility for the fulfillment of the contract.

19. Access for inspection

Persons nominated by client/PC and their respective representatives shall at all reasonable times have free access to work and/or to be workshops, factories or other places where materials are lying or form which they are being obtained and the Contractor shall extend necessary service to Client and PC and their representatives every facility necessary for checking measurements, inspection and examination and test of the materials and workmanship.

20. Examination of Work before covering up

- (a) No part of the works shall be covered up or put out of view without the written approval of the PC and the contractor shall afford full opportunity for the PC to examine and measure any work which is about to be covered up or put out of view and to examine before permanent work is place thereon. The Contractor shall give due notice to the OC whenever any such work is or ready or about to be ready for examination and the PC shall, without unreasonable delay, unless he considers it necessary and advises the contractor accordingly, attend for purpose of examining and measuring such work or examining such work.

(b) Uncovering and making opening

The contractor shall uncover any part or parts of the works or make openings in or through the same as the PC may from time to time direct and shall reinstate to make good such part or parts to the satisfaction of the pc. No extra payment will be paid for this.

21. Assignment

The contractor shall not, without the prior consent of the pc assign the contractor or any part thereof, or any benefit or interest therein or there under, otherwise than by:

- A change in favour of the contractor's bankers of any moneys due or to become due under the Contract, or
- Assignment to the Contractor's insurers (in case where the insurers have discharged the Contractor's loss or liability) of the contractor's right to obtain relief against any other party liable

The contractor shall not sub-contract the whole of the Works. The contractor shall not subcontract any part of the Works without the prior consent of the PC and Client, except where otherwise provided by the Contract. Any such consent shall not relieve the Contractor from any liability or obligation under the Contract and he shall be responsible for the acts, defaults and neglects of any Subcontractor, his agents, servants or workmen as fully as if they were the act, default or neglect of the Contractor, his agent, servants or workmen. Such Permission may be granted only for the super specialized work etc. and the decision of Client shall be final.

22 Claims

The Contractor shall send to the PC once in a every month an account giving particulars as complete and fully detailed as required of all claims for any additional payments, to which the contractor may consider himself entitled and of all extra or additional/substituted work ordered by the PC which he has executed during the preceding month subject of provision under relevant clauses of contract hereof.

23 Variations

(a) The PC with the prior approval of the Competent Authority in determining revised quantity, form or quality shall make and variation in the form, quality or quantity of the works or any parts thereof that may necessary and for that purpose or if for any other reason it shall, in his opinion be desirable, ha shall with the prior approval of the Client order the contractor to do and the contractor shall do any of the following:

- i) Increase or decrease the quantity of any work included in contract
- ii) Omit any such work.
- iii) Change the character or quality or kind of any such work.
- iv) Change the levels, lines, position and dimensions of any part of the works.
- v) Execute additional work of any kind necessary for the completion of the works.
- vi) Change any specified sequence or timing of construction of any part of the work.

No such variation shall in any way vitiate or invalidate the contract, but the cost, if any, of all such variations shall be taken in account for payment to the contractor as an addition or adjustment to the amount of contract sum. Provided that where the issue of instruction to vary the works is necessitated by some default or breach by the contractor or for which he is responsible, any additional cost attributable to such default or breach shall be borne by the contractor.

(b) Order for variation to be in writing

The contractor shall make no such variations without an order in writing by the PC with prior approval of the Client, provided that no order in writing shall be required for increase up to 02% or decrease in the quantity of any work where such increase or decrease is not the result of an order given under this Clause, but is the result of the quantities exceeding or being less than those stated in the schedule of items.

24 Valuation of variation (extra/additional/omitted items)

(a) All extra or additional items of work done or work omitted by order of the PC with prior approval of the Client shall be priced at the rates of items of similar nature in the contract.

In the absence of any such items of similar nature in the contract the items shall be priced as per the following.

- i) The applicable rates of similar items in DSR 2014 and amended up to date of issue of NIT.
- ii) In absence of such items in DSR 2014 Schedule of rates the rates shall be derived on the basis of rate analysis as per CPWD Procedure

(b) For the items for which the rates are to be derived as per sub-clause above of the following shall be applicable:

- i) Contractor shall submit rate analysis prepared with all supporting documents.
- ii) The PC shall review the same and either recommend to the Client for approval or ask the contractor to revise the errors in rate analysis or incompleteness in terms of supporting documents etc., and re- submit for review.
- iii) On receiving recommendations from the PC, the Client shall take final decision regarding derived rate. The decision in respect of the rate shall be notified to the contractor by the PC within 30 days for submission /resubmission which shall be final and binding to the contractor.
- iv) On receipt of the decision of the PC the contractor shall carry out such items of works.

(c) Claims

The contractor shall send to the PC once in every month an account giving particulars as complete and fully detailed as required of all claims for any additional payments, to which the contractor may consider himself entitled and of all extra or additional /substituted work ordered by the PC which he has executed during the preceding month subject or provisions under relevant clauses of contract hereof,

(d) Inspection & Testing during manufacture

The PC shall be entitled during manufacture to inspect, examine and test on the contractor's premises during working hours the materials' and workmanship and check the progress of manufacture of all fabrication materials to be supplied under the contract, and if part of the said materials is being manufactured on other premises the contractor shall obtain for the SE / PC permission to inspect, examine and test as if the said plant were being manufactured on the contractors premises. Such inspection, examination or testing if made shall not relieve the contractor from any obligation under the contract.

(e) Dates for Inspection & Testing

The contractor shall agree with the PC the date and the place at which any plant/works will be ready for testing as provided in the contract and unless the PC shall attend at the place so named on the date agreed the contractor may proceed with the test in presence of the PC or his authorized representative and shall forthwith forward to the PC duly certified

copies of the test readings. The PC shall give the contractor 24 hours' notice in writing of his intention to attend the tests.

(f) Facilities for Testing at Manufacturer's Works

Where the contract provides for tests on the premises of the contractor or any sub-contractor shall provide such assistance, labour, materials, electricity, fuel, stores, apparatus and instruments as may be requisite and as may be reasonably demanded to carry out such tests efficiently.

(g) Certificate of Testing

As and when fabrication materials shall pass the tests referred in this clause, the PC shall furnish to the Contractor a certificate in is to that effect.

(h) Rejection

If as a result of such inspection, examination or test of the works (other than a Test on Completion) the PC shall decide that such material is defective or not in accordance with the contract he shall notify the contractor accordingly stating in writing his objection and reasons thereof. The contractor shall with all speed make good the defect or ensures that the material complies with the Contract. Thereafter, if required by the PC the tests shall be repeated under the same terms and conditions till satisfactory results are made available.

(i) Delivery of Materials and Equipment

Unless the PC shall otherwise direct, no material shall be brought to the site

The contractor shall be responsible for the reception on site of all materials and contractor's equipment brought at site for the purposes of the contract.

(j) Inspection & Testing and Re-inspection & Retesting

All deficiencies revealed by testing and inspection shall be rectified by the contractor at his own expense and to the satisfaction and approval of the PC. Rectified components shall be subject to re-testing and re-Inspection.

(k) Inspection Reports

The contractor shall provide the PC with five copies of reports of all inspection and tests.

25. Virtual Completion Certificate

When the whole of the Works have been substantially and virtually completed and have satisfactorily passed any final test that may be prescribed by the Contract:-

- (a) The Contractor shall give a notice to that effect to the PC accompanied by an undertaking to finish any outstanding work during the Defects Liability Period. Such notice and undertaking shall be in writing and shall be deemed to be a request by Contractor.
- (b) The PC shall review whether the works are completed in such a condition so as to be put to its proper or other intended final use and /or occupied without any short comings and no major or minor items of works are remaining which in the opinion of the PC will cause undue difficulties in satisfactory use/ occupation of the Works.

26. Defect after completion

(a) General

Any defect, shrinkage, settlement or other faults which any appear within the "Defects Liability Period" arising in the opinion of the Client from materials or workmanship not in accordance with the contract, shall upon the direction in writing of the Client/ Authorized representative of the owner of the Institute, and within such reasonable time as shall be specified therein, be amended and made good by the contractor, at his own cost and incase of default the Client may employ , and pay other persons to amend and make good such defects, shrinkage, settlements or other faults and all damages, loss and expenses consequent thereon or incidental thereto shall be make good and borne by the contractor and such damage, loss and expenses shall be recoverable from the bills due or may be deducted from any money due to that may become due to the contractor, or they may in lieu of such amending and making good by the contractor deduct from any monies due to the contractor, a sum , to be determined by the Client no amount is available with the Client , the Client may recover from the dues of another government department.

(b) Execution of work of repair etc.

Any defects, shrinkage, settlement or other faults which may appear or be noticed within the defect liability period, and arising in the opinion of the Client from materials or workmanship not having in accordance with the contract, shall upon the direction in writing of the Clients representation and within such reasonable time as shall be specified therein and without any delay, be amended and made good or replaced by the contractor at his own cost.

(c) Cost of Execution of Work of Repair, Etc.

All such works shall be carried out by the Contractor at his own expense if the necessity thereof shall, in the opinion of the Client, be due to the use of materials or workmanship not in accordance with the Contract, or due to neglect or failure on the pad of the Contractor to comply with any obligation, expressed or implied, on the Contractor's part under the Contract.

(d) Contractor's personnel to be at site

During the defects liability period the contractor shall retain at least one of his authorized representative at site along with required tradesmen.

27. Approval and acceptance

(a) Provisional Acceptance

The work shall be deemed to have been provisionally accepted after fulfillment of all the following by the Contractor.

- i) Submitting As-Built Drawings, Catalogues, Brochures, and Data Sheets, manuals in the form as directed by Obtaining Certificate of Co PC to Engineer in Charge
- ii) Obtaining Certificate of Completion from the PC
- iii) Obtaining approvals from the local authorities as required for occupation and use of the works and handing over such certificates to the Client if such items included in the duties or responsibilities of the Contractor by the contract. Contractor is required to take approval from respective authorities for his own work. However, for building permission etc. approval from local authorities will be done by Auditorium Consultant.

(a) **Certificate of Final Completion**

The contract shall not be considered as completed until a Certificate of Final Completion shall have been issued by the Client/PC stating that the Works have been completed to their satisfaction and remedying /rectifying of defects have been satisfactorily performed. The Client shall give the Certificate for Final Completion:

- Twenty-eight days after the expiration of the Defects Liability Period OR
- If different Defect Liability Periods shall become applicable to different sections or parts of the Works. the expiration of the latest of such period OR
- As soon thereafter as any works ordered during such period shall have been completed to the satisfaction of the Client.

Provided always that the issue of the Certificate of Final Completion shall be a condition precedent to payment or return to the Contractor the security deposit and/or Performance security in accordance with the conditions set out in the contract.

28. Works by Other Agencies

The client and PC reserves the right to use premises and any portion of the site for the execution of any work not included in this contract which it may desire to have carried out by other persons simultaneously, and the contractor shall allow the reasonable facilities for the execution of such

work, but shall not be required to provide any plant or material for the execution of such work except by special arrangement with the employer. Such work shall be carried out in such manner as not to impede the progress of the works included in the contract and the contractor shall not be responsible for any damage or delay which may happen to or occasioned by such work.

29. Insurance Policies

(a) Contractor may take Contractor's All Risk Policy and Third Party Insurance or other insurance policies from a first class Insurance Company in the joint name of the Contractor and CLIENT and keep it valid against all loss or damages to the Works, Materials, Equipment, Persons and Properties from whatever cause arising for which he is responsible under the term of contract, other than the expected risks, and in such manner that the client and Contractor are covered for the period as stipulated for entire duration including the Defects Liability Period and for any loss or damage occasioned by the contractor in the course of any operations carried out by him for the purpose of Complying with the obligations.

(b) In the event of the Insurance Policies are taken and kept valid by the contractor, whenever claims need to be made for any matter or thing in respect of the insurance covers under the insurance Policies, it shall be the responsibility of the Contractor to lodge such claims and to follow up and obtain the payments for the claims from the Insurance Companies. Should the Client suffers any losses and/or damages in connection with the works and the Contractor is unable or unwilling to get such losses and/or damages recompensed by the insurance companies, the Client shall recover the amounts in respect of such losses and/or damages from the Contractor by way of deductions made from any money that may be payable or that may become payable to the Contractor.

(c) Irrespective of whether the Insurance Policies referred under sub-clause above are taken by the Contractor or not and whether the Policies are kept valid or not notwithstanding

anything stated in the sub-clause as above of this clause, the Contractor shall indemnify the Client from all the compensations and claims that may arise due to loss and damages to the works, materials equipment, persons and properties on account of Contractor's operations at site during the period and also Defects Liability period and the Contractor shall be responsible, liable and bound to the Client to compensate or make good or replace the loss or damage arising out of any whatsoever as directed by the Client.

30. Dues not paid by the Contractor

The contractor shall pay all dues or fees to Statutory authorities and Electric and Water supply authorities etc., within due period and indemnify the Client and the PC from any claims or compensations or penalties or damages arising out of non-payment of any such dues or fees. However, in case some dues or fees are not paid by him/and or claims for compensations or penalties etc. are raised by the Statutory authorities, the Client may deposit the required amount for any or all of the above and recover or deduct the same from any money payable to the contractor by the Client or any other means available to the Client such as bank guarantee.

31. Billing & Certification

Contractor shall submit monthly running bills in approved format as per CPWD for executed works and materials for which secured advance is desired along with required details and measurements as directed by the SE / PC. The Contractor shall submit Monthly progress Report in triplicate in approved format and containing required number of indexed coloured progress photographs. Failure to submit reports may result in holding up of payment Certificate.

The bills along with the Measurement sheets shall be checked/ verified by the PC. Certificate of Payment shall be prepared and certified by the PC on the basis of the checked/verified bills and Measurement sheets. The PC shall send the certificate of payment recommending for payment to the Client.

Only the quantities of work executed, which correspond to the full description stated in the Bills of Quantities, shall be considered for payment. No part —rated items of work will be considered for payment in the bills.

32. Term of Payment

Payment for works: -

The contractor shall be paid monthly on the submission by the PC and after the approval of EIC, such sum or price of the works executed up to the end of the previous month after adjusting payments made in earlier bills and recovery of all advances and retention money ad recoveries as per the Contract. No interim payment is permitted.

33. Urgent Repairs

If by reason of any accident, or failure, or other event occurring to or in connection with the works, or any part thereof, either during the execution of the works, or during period of Defects Liability any remedial or other work or repair, shall, in the opinion of the Client be urgently necessary for the safety of the Works and the Contractor is unable or unwilling at once to do such work or repair, the Client may employ and pay other persons to carry out such work or repair as the case may be and Client may consider necessary. If the work or repair so done by the other agency is the work which, in the opinion of the PC the Contractor was liable to do at his own expense under the Contract, all expenses incurred by Other agency in so doing shall be recoverable from the Contractor by the Client, or may be deducted by the Client from any monies due which may become due to Contractor.

34. Plant Temporary Works & Materials

(a) Plant, etc. Exclusive use for the Works

All Constructional Plant, Temporary Works and materials provided by the Contractor shall, when brought on to the Site, be deemed to be exclusively intended for the execution of the Works and the Contractor shall not remove the same or any part thereof except for the purpose of moving it from one part of the Site to another, without the consent, in writing of the PC, which shall not be unreasonably withheld.

(b) Removal of Plant etc.

Upon completion of the Works, the Contractor shall remove from the Site all the said Constructional Plant and Temporary Works remaining thereon and any unused materials provided by the Contractor, within 10 days of obtaining the completion certificate.

35 Operations and Maintenance Manual

The Contractor shall also provide and submit to the CLIENT with two copies in a durable plastic case of the operating and Maintenance Instruction Manuals as may be applicable for the works. The arrangement of these manuals shall be as follows:-

SECTION A: Index

SECTION B: - Full set of Indexed Photographs showing all salient features of the Project.

SECTION C: - Description and details of materials, items and fittings and fixtures used for the project along with Catalogues & Addresses of the Suppliers.

SECTION D: - Planned maintenance instruction and dates for order replacements.

SECTION E: - List of recommended Spare parts of consumables.

SECTION F: - List of "As-Built" Drawings {related to Working/Shop drawings}.

Until the Record Drawings, prints, transparencies and manuals referred to above have been received and approved by the PC and Contract shall not be considered as complete and payment of monies withheld until such drawings, etc. have been Submitted to and approved by the PC and the cost of providing such records including proper submission thereof is deemed to be included in the Contract Sum quoted by Contractor.

36. Reports by Contractor

(a) The contractor shall maintain daily weather record. Daily maximum and minimum temperature and corresponding, humidity shall be recorded and charted. Rainy days shall be recorded when the rain lasting more than one hour hampers the work Any other inclemency in weather shall be recorded, The records shall be regularly show to the PC and his signature obtained.

(b) The Contractor shall file daily category-wise labour report. The report shall indicate scheduled requirement against actual strength.

(c) The Contractor shall prepare Weekly Reports of planned and actual progress of work and subsequent week's scheduled work. These will also include material Procurement status. These reports shall be submitted to the PC & shall be reviewed in weekly Co-ordination Meetings.

(d) The Contractor shall submit Monthly Progress Report as per format approved by P along with monthly bills.

(e) The Contractor as directed by the PC shall prepare further Progress Charts and Schedules.

39. Every care has been made to include all the aspects/ terms and condition in these documents. However, during execution, any issue arises, which has not been included in these documents, norms/ rules & regulations/ terms & conditions as prevalent in CPWD shall be followed.

37. Miscellaneous

(a) Monthly Progress Photographs

The Contractor shall arrange at his own cost to maintain a progress record of the Works by taking postcard size colour photographs (preferably digitized photographs) minimum 6 Nos. or more per month or fortnight as directed by the PC during the constructions stages and after completion and shall supply one set to the CLIENT and one set to the PC at no extra cost. These photographs shall also be submitted as part of the contractors R.A. Bills. The Contractor will be required to submit monthly reports on the progress of his work as per the format approved by the PC.

(b) Safety Regulations

Contractor shall be fully responsible for the safety of his Employees/ Visitors/ Contract Labour/Sub- Contractors Labour. The Contractors shall provide first-aid box readily available at site. The Contractors shall provide all safety measures as per labour safety rules applicable.

(c) Labour Laws

The Contractor shall strictly adhere to all labour laws prevailing in the region. The contractor shall make timely payment of wages of his labour and the wages paid to the labour shall be equal to or more than the minimum wage at the time of payment. The Contractor shall comply with all applicable labour legislation.

(d) By- Laws of Statutory Authorities

The Contractor and his labour shall not violate municipal/sanitation/health or any other byelaws.

(e) Tax Deduction at Source

Taxes and surcharge as applicable shall be deducted from the amount paid to the contractor towards the value of the work done. The amount so deducted at source shall be deposited into Government Treasury and a certificate thereof shall be issued to the Contractor.

(f) General Lighting and Securities

The Contractor shall, throughout the execution, completion and remedying of the defects, provide and maintain at his own cost all lights, guards, fencing, warning signs and watching, when and where necessary or recommended by the PC or by any duly constituted authority for the protection, of the work or for the safety and convenience of the public or others.

(g) Definition of “and”, “or”, “and/or”

The terms “and”, “or”, “and/or” used in the content with description or enumeration of two or more items or components of work or documentation or anything similar shall mean as relevant and applicable to the text.

(h) Delay in starting the work

No compensation shall be allowed for any delay caused in the starting of the work on account of acquisition of land, encroachment or in the case of clearance of works, on account of any delay in according sanction to estimate in issue of drawings, decisions etc. However, the extension of time shall be granted as per relevant conditions of contract.

(i) Employment of Scarcity/Labour

(j) Technical Examination

The Client shall have the right to cause Audit and Technical Examination of the work and final bills of the contract including all supporting vouchers, abstracts, etc. to be made as per payment of the final bill and if as a result of such Audit and Technical Examination the sum is found to have been overpaid in respect of any work done by the contractor 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 the CLIENT to recover the same from the security deposit or Performance Security of the contractor or from any dues payable to the contractor. 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 the amount of such under payment

shall be duly paid. The work comes under the purview of CVC and as such all orders and instructions are applicable to this work.

In the case of any audit examination and recovery consequent on the same the contractor shall be given an opportunity to explain his case and the decision of the CLIENT shall be final payment on this account will be recovered from the contractor.

In the case of Technical Audit consequent on which there is a recovery from the contractor recovery should be made with orders of the accepting officer whose decision shall be final. All action under this clause should be initiated and intimated to the contractor within the period of twelve months from the date of completion.

(k) Site instruction book

For the purpose of quick communication between SE / PC and the Contractor or his representative, site instruction book shall be maintained at site as described below: Any communication, relating the works may be conveyed through records in the site instruction book. Such a communication from SE / PC to the Contractor shall be deemed to have been adequately served in terms of the Contract. Such site instruction book shall have machine numbered pages in triplicate and shall be carefully maintained and preserved by the Contractor and shall be made available to PC and Client as and when demanded. Any instruction which PC may like to issue to Contractor may be recovered by the PC in site instruction book and two copies thereof taken by the PC for his record.

(i) Signage

With prior approval of the Client, the Contractor shall provide at his own cost, a sign board at directed location of overall size 2 meters by 4 meters indicating name of the project and a three-D view of the project, as approved by the client. The signboard will be illuminated during night.

(ii) All shuttering material to be used at site will be new/just like new and only ply & steel plate will be allowed to be used as directed by PC. Only steel prop will be used at site and no wooden ballietc will be permitted.

(iii) The contractor shall have adequate generators of required capacity as per site requirement as stand by arrangement.

(v) The temporary connection for electric line and water line from local authorities shall be taken by the contractor who will bear the expenditures.

(iv) Any dispute arising due to typing mistakes/**omissions** in the document the decision of the client will be final.

(v) In case the contractor does not agree with any decision of the PC he may express in writing to the Client within 7 days and the decision of Client shall be final and binding on the contractor.

(vi) Unless otherwise mentioned in the bill of quantity the measurement of works shall be done as per given specifications (as specified in Technical Specification of the Tender) and if the same is not given in the specification, the same shall be measured as per latest relevant BIS codes in force or CPWD Specifications. The quantity of steel reinforcement and the structural steel sections incorporated in the work shall be measured and paid on the basis of standard coefficients of sections as per BIS Codes of practice.

(vii) No idling charges or compensation shall be paid for idling of the contractor's labour, staff or P & M etc. on any ground or due to any reason whatsoever.

(viii) Contractor shall mobilize and employ sufficient resources for completion of all work as indicated in the agreed BAR CHART /Network. No addition payment will be made to the contractor for any multiple shift work or other incentive methods contemplated by him in his work schedule even though the time schedule is approved by PC.

(ix) To ensure that the services under the scope of this contract are in accordance with the specifications, the contract shall adopt Quality Assurance Programme to control such activities at the necessary points. The Contractor shall prepare and finalize such Quality

Assurance Programme within 15 days from letter of intent PC shall also carryout quality audit and quality surveillance of systems and procedures of Contractor's quality control activities. A Quality assurance programme of contractor shall generally cover the following:

- a) Procedure for selection and approval of material sources.
- b) The, frequency, sampling and procedure of test at site and laboratories.
- c) Work instruction for various stages of work.
- d) Formats for carrying out various tests.
- e) Checklist for Construction practices.

The instruction, approvals are given by the SE / PC approvals are given by client, the same shall supersede the instruction of PC. In all case decision of Client shall be final and binding for contractor.

(x) The contractor shall co-operate with other agencies in the same project, compare plans, specifications and the time schedules and so arrange his work that there will no interference. The Contractor shall forward to the PC all correspondences and drawings exchanged. Failure to check plans for conditions will render the Contractor responsible for bearing the cost of any subsequent change found necessary or damages done.

However, the Contractor shall afford necessary facilities to execute the work simultaneously with other agencies executing the works for the same project. The Client shall entertain no claim on this account.

(xi) Role of Auditorium consultant

- a) Obtain permits, licenses and approvals from statutory bodies for commencement of work.

b) Construction phase

- Design DPR consultant will initiate activities that will be necessary in the performance of the services in accordance with the Master Plan. In case any change is required in design etc, it will be made. Any clarification required by clients/ project consultant/ contractor on design/drawing matters will also is attended. No additional cost on this account will be admissible.
- Design and DPR consultant shall maintain adequate professional staff that will carry out visit of the works and render advice to client for establishment of the project as and when required.

c) Post – construction phase

- Conduct inspection after confirmation from the client that the project is practically complete.
- Prepare a snag list; advise the implementation Agency(s) to make good the defects within a specific period.
- Upon completion of the remedial works, conduct a final inspection together with in Client and his representatives.

d) Final Acceptance

- After all defective works are made good; certify to the effect that the project is completed in conformity with the provisions of contract documents.
- Issue Certificate of Final Completion.
- Submit the required documents to the statutory authorities after completion and obtain NOS for commissioning the institute.

e) As-Built Drawings

Review AS-BUILT drawings prepared by the Contractor prior to final drafting. These shall be incorporated in the original drawings.

- (f) No escalation whatsoever will be applicable on above price due to any reason.
- (g) The site for the work is available. The bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed.
- (h) This is a time bound project/work any no time over run is acceptable. Only bidders who can deliver project in time only need to apply.**
- (i) AIIMS-Jodhpur, reserve the right to accept or reject any or all the bidders without assigning any reasons, no bidder shall have any cause of action or claim against the AIIMS-Jodhpur for rejection of his bids.
- (j) Manufacturer Authorization:** The bidder (if not original equipment manufacturer must submit Original Equipment Manufacturer authorization certificate that the tenderer is authorized for selling and maintain the equipment. The bidder shall submit all necessary documents required for verification.

Executive Engineer (Civil)
AIIMS, Jodhpur

ANNEXURE 'A'
**DETAILS OF TECHNICAL & ADMINISTRATIVE PERSONNEL TO BE
EMPLOYED FOR THE WORK**

S. No.	Designation	Total Number	Number available for this work	Name	Qualifications	Professional experience and details of work carried out	How these would be involved in this work	Remarks
1	2	3	4	5	6	7	8	9

Signature of Bidder(S) With Seal

ANNEXURE 'B'
DETAILS OF ALL WORKS OF SIMILAR CLASS COMPLETED DURING THE
LAST SEVEN
YEARS ENDING LAST DAY OF THE MONTH ENDING JULY, 2016

S. No	Name of Work/project	location	Owner or sponsoring organization	Cost of work in crores	Date of commencement as per contract	Stipulated date of completion	Actual date of completion	Litigation/ arbitration pending/ in progress with details *	Remarks
1	2	3	4	5	6	7	8	9	10

* Indicate gross amount claimed and amount awarded by the Arbitrator

Signature of Bidder(S) With Seal

ANNEXURE 'C'
FINANCIAL INFORMATION

I. Financial Analysis - Details to be furnished duly supported by figures in balance sheet/profit & loss account duly certified by the Chartered Accountant, as submitted by the applicant to the Income Tax Department (Copies to be attached).

S. No.	Descriptions	2013-14	2014-15	2015-16

(i) Gross Annual Turn Over.

(ii) Profit/Loss

II. Financial arrangements for carrying out the proposed work.

Signature of Bidder(S)With Seal

Signature of Chartered Accountant with Seal

ANNEXURE 'D'

Name of Firm/Contractor/Supplier	
Complete Address & Telephone No.	
Name of Proprietor/Partner/Managing Director/Director.	
Phone No:- Mobile No:- Email id:-	
Name and address of service centre nearby Jodhpur.	
Whether the firm is a registered firm Yes/No (attached copy of certificate).	
PAN No. (enclose the attested copy of PAN Card).	
Service Tax No. (enclose the attested copy of Service Tax Certificate)	
VAT No. (enclose the attested copy of VAT Certificate).	
Whether the firm has enclosed the Bank Draft/Pay Order/Banker's cheque of Earnest Money Deposit.	
Whether the Firm/Agency has signed each and every page of Tender/NIT.	
Any other information, if necessary.	

Authorized signatory of the bidder with seal.

ADDITIONAL CONDITIONS OF CONTRACT

1. Technical data/detail & specifications if not tally, the same are to be clarified with the Consultants.
2. The client reserves the option to allot the work partly or totally to single or different Contractors. The Client also reserves the right to supply some of the material. The scope of work for such items will be limited to erection only.
3. The Client/Consultants reserve the right to call explanations from any bidder regarding the calculations/clarifications on any details. They may also visit the office of the bidder/various works carried out by him. The necessary cooperation in this regard is envisaged from the bidder.
4. The bill of quantities indicated in this tender is approximate & are liable to change at the discretion of the Client/Consultants.
5. The Contractor is responsible for the due & proper execution of all the works, terms & conditions stipulated under this contract. He must explain the designs & satisfy himself of the feasibility. The contractor will be completely responsible for all kind of safety, security & structural stability at site & of the work executed as well as under execution. The responsibility of guarantying the inside conditions lies with the Contractor.
6. The Tenderers shall make no changes in the tender form or in the specification & schedule. The tenderers may however submit alternative proposals, in separate enclosures, indicating any variation whichever they feel is beneficial. Calculations, salient features, advantage, economics, layout shall back the same. Acceptance of the alternative proposal & rests will be the exclusive right of the Client & Consultants.
7. The Consultant/their representatives shall have access to the workshop/manufacturing facilities of the successful Contractor so as to assure themselves of the quality of the material & workmanship.
8. The successful contractor shall submit a detailed bar chart within 2 days of award of work.
9. The measurement given in drawing is subject to verification at site. In case of any discrepancy, the same shall be brought to the notice of both, the engineer in charge & Consultants for the decision.
10. The panelling will be measured for payment as finished panelling only. It will be measured at actual dimensions & not for anti-rounding – off measurements. Frame work taken up to ceiling or wall for supports will not be measured & will not paid extra.
11. The mock up:-
 - (a) The contractor shall erect mock – up of each type of panelling or repetitive item & proceed with final work after getting approval in writing from the Consultants.
 - (b) The disapproved mock up unit shall be removed by contractor, immediately.
 - (c) No extra cost will be paid to the contractor for erection of any such mock up, modification of it or for removal of mock up.
12. In order to complete the work, within the time limit of the tender, the contractor may have to work in more than one shift.
13. The contractor shall make their own arrangements for security of their materials/tools etc.
14. In case of not availability of specified materials in the market, the contractor may substitute by equivalent materials of same quality & technical properties, after duly approved by the Consultant.

15. Client/Consultants reserve the right to split the items and scope of work before awarding the contract without assigning any reason thereof.
16. In case of any controversy, the decision of the Owner/Consultant shall be final & binding on contractor.
17. Verbal instructions given the Consultant, if any, will be confirmed in writing by the contractor within 07 days & before execution thereof.
18. At least one engineer, of the contractor, capable of understanding all the technical points & act accordingly, should be available on site all the time.
19. The contractor along with his technical staff should be present at site at the time of site – visit of the Consultants & whenever needed.

TECHNICAL SPECIFICATIONS:-

1. All the materials to be used shall be of the best quality confirming to relevant I.S. code & approved by the Consultants.
2. All the timber used shall be of as per sample approved, with moisture contain as per respective I.S. standards & well – seasoned, free from knots, cracks, warps and other defects and shall be treated against white ants with Aldrex – Aldrin or equivalent chemical, as per specifications of the manufactures (minimum 2 coats).
3. Rate of all items include the cost of finishing timbers with synthetic enamel paint/spirit/wax polish/melamine as specified to match with surrounding surface. The decision of the Consultants on the nature of finishing shall be final and binding on the contractor without any extra cost.
4. All particle boards/ply sheets both marine and veneered block boards (Phenol bonded) will be water proof quality with ISI mark ISO – 9001 of approved 1st class manufacture like Indian Plywood, Green Valley, Euroboard, Goyal, products/Marino ply or equivalent. As per I.S. 710.
5. Glue shall be Fevicol/Vamicol or equivalent brand and approved product. All glue joint shall be pressed/till glue has dried thoroughly and confirming to IS 848.
6. The contractor shall obtain the approval regarding shade, quality, type & make of colour in respect of paint and polish, fabric from the Consultants before purchasing. The contractor, if required, shall produce the reasonable number of samples and submit the same.
7. All unexposed surface of panelling/ceiling will have coat of primer and polish as specified or directed by the Consultants.
8. Laminates if any, to be used shall be of 1.5 mm thick from ISI mark ISO – 9001 of approved 1st Class manufactures.
9. The frame work for false ceiling/panelling/flooring etc. shall be laid in true line, level in both the direction; the wooden scantlings shall be straight and fixed rigidly with screws of appropriate size, at appropriate distance as directed at required level. The framework shall be painted with two coats anti – termite solution before the same is covered with finishing materials.
10. The G.I. suspenders for false ceiling shall be straight and fixed rigidly to R.C.C. structures/slab/roof truss/purlin or wood support etc.
11. All the G.I. suspenders, ceiling sections, perimeter channels, intermediate channels, ceiling angles, connecting clips, soffit cleats etc. used for wall panelling & ceiling should be as specified by the manufactures 'India Gypsum Ltd.' (GS-MFSC-4.1) Or Anutone acoustic Ltd. & as per directions given by the Consultants.

12. Fixing of panels, filling joints, finishing & painting should be done as per the manufacturer's specifications & directions given by the Consultants I.S. 2542 & 2095.
13. The synthetic – wool insulation shall be of FR grade & made of fine, long, fibres thermally bonded confirming to relevant I.S. specifications will be of density specified in BOQ.
14. Agro – wood panelling, polishing, should be done as per the directions of the manufacture Andaman Timber. One coat of polish should be applied immediately after cutting & to all the surfaces.
15. The fabric to be used should be of required acoustical grade & as per approved samples.
16. All the hardware to be used will have to be approved from the Consultants.
17. Hardware fittings shall be from approved manufactures and shall be confirming to respective I.S. specifications.
18. Paint shall be Asian/ICI/Garware/Jenson & Nicolson or equivalent. The rates of items shall include the cost of primer, preparation of proper surface by sand papering, filling with required grade putty, two coats of paints and removing of stains on floors, walls, ceiling and other movable items.
19. Different types of paints may require for different surfaces & contractor should follow the specifications & directions given by the Consultants about this.
20. Melamine polish – preparation of surface – filling grain completely with putty made of whiting powder with required strainer and Acrypol N 83 (Pidilite Ind. Ltd.) Sand & Surface mildly with 120/50 Emery paper softer drying for 15 min. polishing – 1. Mix Acrypol SP 85 matt in equal proportions. Spray the mixture uniformly with a spray gun at a pressure of 30 psi. 2. Allow it to dry for 6 – 8 hrs. 3. Sand surface with 120/50 Emery paper. 4. Repeat 1,2 and 3 for two more coats up to required surface of approved by the Consultants.
21. The rates quoted for various items included in this tender shall be inclusive of the cost of necessary framework, scaffolding, lifting of material etc. As the work is proposed to be executed at various heights, no extra claim shall be entertained on account of execution of work at various heights. The measurement of items included in this work shall not be taken and paid separately for different floor levels and varying heights.
22. For Electrical part, Contractor must appoint authorized electrical sub – contractor & submit the name & documents of ability of sub – contractor along with the tender.
23. Contractor should submit wiring layout, panel layout & DB and panel diagrams along with tender.
24. All the cables will be of Finolex, Polycab in case the make is not specified.
25. The rates quoted are including the electrical points, wiring & panels required for drapery work.
26. End termination to all cables should be using flange type brass glands of suitable size, aluminium lugs and employing standards crimping method.
27. All the components, ELCBs, MCBs, Switches, Holders etc. should be of standard & approved brands having ISO certificate, like L&T, Legrand, ABB, Roma etc.
28. Supply of required power will be provided at main DP in control room by the client.
29. The contractor will arrange for testing & inspection (or certifying from appropriate authorities) of complete electrical work at his cost including materials from time to time to time during execution of work.
30. The work shall be carried out as per specifications. Any deviations from the Specifications, either on account of manufacturing or installation practices or for any other reasons, shall be clearly mentioned in the separate letter explaining in the detail each and every

departure the contractor proposes to make from the tender specifications. Unless specifically mentioned it will be considered that the tenderer agrees to supply all equipment as specified. All the deviations shall be subject to the approval of the consultants.

31. The installation of various electrical/AV equipment and wiring shall be such as easily accessible for maintenance and routine check – ups.
32. The layout and installation of the equipment shall be carried out confirming the best engineering practices.
33. The contractor shall during the course of the installation associate with the owner nominated staff to familiarize with the system. The contractor shall agree to train the nominated staff for the operation and maintenance of the system.
34. Instructions plates, nameplates and labels shall be provided on the patch panels etc. and should be of such size that should be readable. All labels shall be made in English.
35. The contractor shall guarantee that all the equipment shall be free of defects and that equipment shall operate satisfactory and that the performance and efficiencies of the equipment shall not be less than the guaranteed values.
36. The warranty shall be on site & the warranty period shall not be less than 12 months from the date of completion & handover.
37. The contractor will have to submit all the drawings for wings there mounting & sliding and the gear mechanism being used as well as the fabrication work required, along with the samples of the fabric & technical specifications of Motors, gearbox etc.

Annexure –I
FORM OF PERFORMANCE SECURITY (GUARANTEE)

1. In consideration of the Director, AIIMS, Jodhpur (hereinafter called “ the Government “) having offered to accept the terms and conditions of the proposed agreement between _____ and _____(hereinafter called “ the said Contractor(s)”) for the work _____ (hereinafter called “ the said agreement}” having agreed to production of a irrevocable Bank Guarantee for Rs. _____ (Rupees _____ only) as a security/guarantee from the contractor(s) for compliance of his obligation in accordance with the terms and conditions in the said agreement.
We _____(hereinafter referred to as Bank) hereby (Indicate the name of the Bank) undertake to pay to the Government an amount not exceeding Rs. _____(Rupees _____ only) on demand by Government .
2. We _____ do hereby undertake to pay the (Indicate the name of the Bank) amount due and payable under this Guarantee without any demur, merely on a demand from the Government stating that the amount claimed is required to meet the recoveries due or likely to be due from the said contractor (s). Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs . _____(Rupees _____ only)
3. **We the said bank undertake to pay to the Government any money so demanded notwithstanding any dispute or disputes raised by the contractor (s) in any suit or proceeding pending before any court or Tribunal relating thereto, our liability under this present being absolute and unequivocal.**
4. **The payment so made by us under this bond shall be valid discharge of our liability for payment thereunder and the contractor (s) shall have no claim against us for making such payment.**
5. We _____ further agree that the guarantee herein contained (Indicate the name of Bank) shall remain in full force and effect during the period that would be taken for the performance of the said agreement and it shall continue to be enforceable till all the dues of the Government under or by virtue of the said agreement have been fully paid, and its claims satisfied or discharged, or till Engineer-in- charge on behalf of the Government, certifies that the terms and conditions of the said Agreement have been fully and properly carried out by the said contractor (s) accordingly discharges this guarantee.
6. We _____ further agree with the Government that the (Indicate the name of Bank) Government shall have the fullest liberty without our consent, and without affecting in any manner our obligations hereunder, to vary any of the terms and conditions of the said agreement or to extend time of performance by the said contractor (s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the Government against the said contractor (s) and to forebear or enforce any of the terms and conditions relating to the said agreement & we shall not be relieved from our liability by reasons of any such variation or extension being granted to the said contractor (s) or for any forbearance, act of omission on that part of the Government or any indulgence by the Government to the said contractor (s) or by any such matter or thing whatsoever which under the law relating to sureties would , but for this provision, have effect of so relieving us.

7. The guarantee will not be discharged due to the change in the constitution of the Bank or the contractor (s).
8. We _____ lastly undertake not to revoke this (Indicate the name of Bank) guarantee except with the previous consent of the Government in writing.
9. This guarantee shall be valid upto _____ unless extended on demand by Government. Notwithstanding anything mentioned above, our liability against this Guarantee is restricted to Rs. _____(Rs. _____ only) and unless a claim in writing is lodged with us within six months of the date of expiry or the extended date of expiry of this Guarantee all our liabilities under the Guarantee shall stand discharged.
Dated the _____ day of _____ For _____
(Indicate the name of Bank)

Annexure –II

PROFORMA FOR EARNEST MONEY (BANK GUARANTEE)

FORM OF EARNEST MONEY (BANK GUARANTEE)

WHEREAS, contractor..... (Name of contractor) (hereinafter called "the contractor") has submitted his tender dated (date) for the construction of (name of work) (hereinafter called "the Tender")KNOW ALL PEOPLE by these presents that we (name of bank) having our registered office at (hereinafter called "the Bank") are bound unto (Name and division of Executive Engineer) (hereinafter called "the Engineer-in-Charge") in the sum of Rs. (Rs. in words) for which payment well and truly to be made to the said Engineer-in-Charge the Bank binds itself, his successors and assigns by these presents.

SEALED with the Common Seal of the said Bank this day of20....
THE CONDITIONS of this obligation are:

- (1) If after tender opening the Contractor withdraws, his tender during the period of validity of tender (including extended validity of tender) specified in the Form of Tender;
- (2) If the contractor having been notified of the acceptance of his tender by the Engineer-in-Charge:
 - (a) fails or refuses to execute the Form of Agreement in accordance with the Instructions to contractor, if required; OR
 - (b) fails or refuses to furnish the Performance Guarantee, in accordance with the provisions of tender document and Instructions to contractor.

We undertake to pay to the Engineer-in-Charge either up to the above amount or part thereof upon receipt of first written demand, without the Engineer-in-Charge having to substantiate his demand, provided that in his demand the Engineer-in-Charge will note that the amount claimed by his is due to him owing to the occurrence of one or any of the above conditions, specifying the occurred condition or conditions.

This Guarantee will remain in force up to and including the date* after the deadline for submission of tender as such deadline is stated in the Instructions to contractor or as it may be extended by the Engineer-in-Charge, notice of which extension(s) to the Bank is hereby waived. Any demand in respect of this Guarantee should reach the Bank not later than the above date.

DATE

SIGNATURE OF THE BANK

WITNESS

SEAL

(SIGNATURE, NAME AND ADDRESS)

*Date to be worked out on the basis of validity period of 3 months from last date of receipt of tender.

FINANCIAL BID
Schedule of Quantity

Tender for Supply, installation, testing and commissioning of Stage Lighting & Stage Furnishing for Auditorium at AIIMS, JODHPUR					
S. No.	Description	Qty	Unit	Unit rate in Rs.	Amount in Rs. (Unit*Quantity)
1	SITC of MS suspenders cum clamps to be designed and fabricated (using MS angle 50 x 50 x 6mm) as per the site condition, duly powder coated in black matt texture finish (to hold the "C" track fixed grid). Make: Canara Lighting / Stage Craft / Stage Technologies.	136	Nos.		
2	SITC of MS suspenders cum clamps to be designed and fabricated (using MS angle 50 x 50 x 6mm) as per the site condition, duly powder coated in black matt texture finish (to hold the wings). Make: Canara Lighting / Stage Craft / Stage Technologies.	6	Nos.		
3	SITC of MS "C" track size 50x40, provided with oval slots (14x40mm), powder coated (To create fixed grid at top the stage area to suspend the lighting bars, scenery bars, stage drapery etc). Make: Canara Lighting / Stage Craft / Stage Technologies.	600	Mtrs.		
4	SITC of Curved Motorized winch to use as Lighting bar, length 14mtrs made using 40NB dual barrel undergone through various chemical treatment to keep them rust free and powder coated and provided with: (FOH) * Necessary pulley, guide pulleys * GI wire rope with winding drum * Specially designed compact gear box * 1.5HP AC motor with DC Brake * Upper and lower limit controller * Motor cable termination box * With cable retractor & cable trays * With Safe working load of 180Kg Make: Canara Lighting / Stage Craft / Stage Technologies.	1	Nos.		
5	SITC of Motorized winch to use as Lighting bar, length 12mtrs made using 40NB dual barrel undergone through various chemical treatment to keep them rust free and powder coated and provided with: (LB-1, LB-2, LB-3, LB-4 & Cyc Lighting Bar)* Necessary pulley, guide pulleys; * GI wire rope with winding drum;* Specially designed compact gear box;* 1.5HP AC motor with DC Brake;* Upper and lower limit controller;* Motor cable termination box;* With cable retractor & cable trays; * With Safe working load of 180Kg. Make: Canara Lighting / Stage Craft / Stage Technologies.	5	Set		

6	<p>SITC of Motorized winch to use as Frill bar, length 16mtrs made using 40NB dual barrel undergone through various chemical treatment to keep them rust free and powder coated and provided with: (FB-1, FB-2, FB-3 & FB-4)</p> <p>* Necessary pulley, guide pulleys;* GI wire rope with winding drum;* Specially designed compact gear box; * 1.5HP AC motor with DC Brake; * Upper and lower limit controller; * Motor cable termination box; * With Safe working load of 180Kg.</p> <p>Make: Canara Lighting / Stage Craft / Stage Technologies.</p>	4	Set		
7	<p>SITC of Motorized winch to use as Utility bar, length 12mtrs made using 40NB dual barrel undergone through various chemical treatment to keep them rust free and powder coated and provided with: (UB-2, UB-3 & UB-4)</p> <p>* Necessary pulley, guide pulleys; * GI wire rope with winding drum; * Specially designed compact gear box; * 1.5HP AC motor with DC Brake; * Upper and lower limit controller; * Motor cable termination box; * With Safe working load of 180Kg.</p> <p>Make: Canara Lighting / Stage Craft / Stage Technologies.</p>	3	Set		
8	<p>SITC of Motorized winch to use as Utility bar for cinema screen (Cinema screen to be provided by client), length 12mtrs made using 40NB dual barrel undergone through various chemical treatment to keep them rust free and powder coated and provided with: (UB-1)* Necessary pulley, guide pulleys * GI wire rope with winding drum;* Specially designed compact gear box * 1.5HP AC motor with DC Brake; * Upper and lower limit controller * Motor cable termination box.</p> <p>Make: Canara Lighting / Stage Craft / Stage Technologies.</p>	1	Set		
9	<p>SITC of CE Certified Self climbing motorized tele-climber hoist complete with electric motor 0.75 HP, 1000 RPM 3-phase 415V, DC brake for motor, multigeared grease filled gear box, extreme end limit controller, protection against wire slack and overload and provided with 2.4mtr 40NB long light batten. Entire unit will be aesthetically powder coated in black texture finish.* Requisite cable trunking arrangement ensuring all the cable from C track to the Lighting Bar to be enclosed in it, made of 22SWG CRCA Mild steel in 2 pieces with Epoxy polyestered powdered coated in black texture with individual length of flip-flop of 1300mm, thickness of 116mm, width of 22mm and with 7 number of flip-flops * Motor and remote control Panel along with control switch push button of Technik make with the required accessories for controlling the Motorized Equipment along with required housing for individual panel* MS 22SWG sheet metal fabricated and duly powder coated power and signal termination box for Motor with necessary glands at super structure level.</p> <p>* With Safe working load of 100Kg.</p> <p>Make: Stage Craft / Stage Technologies / Canara Lighting</p>	4	Set		

10	<p>SITC of Grand drape track system with 21 mtr long, center parting with overlap of 0.9mtr provided with Heavy duty aluminium I track of 40X70mm, powder coated Track mounting brackets constructed of C track of dimension 40X50X40mm Electromechanical drive unit with 1HP DC Motor GI wire ropes of 3mm in diameter constructed with 7 bundles of 7 strands with steel core at center, Curtain holding trollies consisting of 4 wheeler master trolley and 2 wheeler trolley placed uniformly at specific interval of 200mm throughout the track Motor and Remote Control Panel with the required accessories for controlling all the Motorized Equipment along with required housing for individual panel. MS yellow passivated Diverter pulley with 100mm for outer diameter, 81.5mm diameter at groove base, 13mm pulley thickness and MS yellow passivated Routing pulleys with 165mm for outer diameter, 145mm diameter at groove base with 12mm pulley thickness.</p> <p>Make: Stage Craft / Stage Technologies / Canara Lighting</p>	1	Set		
11	<p>SITC of Mid curtain track system with 21 mtr long, center parting with overlap of 0.9mtr provided with Heavy duty aluminium I track of 40X70mm, powder coated Track mounting brackets constructed of C track of dimension 40X50X40mm Electromechanical drive unit with 1HP DC Motor GI wire ropes of 3mm in diameter constructed with 7 bundles of 7 strands with steel core at center, Curtain holding trollies consisting of 4 wheeler master trolley and 2 wheeler trolley placed uniformly at specific interval of 200mm throughout the track Motor and Remote Control Panel with the required accessories for controlling all the Motorized Equipment along with required housing for individual panel. MS yellow passivated Diverter pulley with 100mm for outer diameter, 81.5mm diameter at groove base, 13mm pulley thickness and MS yellow passivated Routing pulleys with 165mm for outer diameter, 145mm diameter at groove base with 12mm pulley thickness. Make: Stage Craft / Stage Technologies / Canara Lighting</p>	1	Set		
12	<p>SITC of Cyc tab track system with 21 mtr long, center parting with overlap of 0.9mtr provided with Heavy duty aluminium I track of 40X70mm, powder coated Track mounting brackets constructed of C track of dimension 40X50X40mm Electromechanical drive unit with 1HP DC Motor GI wire ropes of 3mm in diameter constructed with 7 bundles of 7 strands with steel core at center, Curtain holding trollies consisting of 4 wheeler master trolley and 2 wheeler trolley placed uniformly at specific interval of 200mm throughout the track Motor and Remote Control Panel with the required accessories for controlling all the Motorized Equipment along with required housing for individual panel. MS yellow passivated Diverter pulley with 100mm for outer diameter, 81.5mm diameter at groove base, 13mm pulley thickness and MS yellow passivated Routing pulleys with 165mm for outer diameter, 145mm diameter at groove base with 12mm pulley thickness. Make: Stage Craft / Stage Technologies / Canara Lighting</p>	1	Set		

13	SITC of MS, Wing Frame, made out of 25X25mm MS square pipe with 2mm in thickness powder coated of size 8m x 2m , provided with 1.5meter wing track of 40X70mm with grid mount brackets made of 40X50X40mm C track Pivotal 4wheeled suspension trolley Adjustable floor locking screw jacks with rubber grips Inverted 4-Wheeler Trolley with Flexi Adaptor Clamp Extruded track Aluminium I Profile to be laid throughout the dept of the stage. Make: Stage Craft / Stage Technologies / Canara Lighting	8	Nos		
14	Cyclorama with drum tight arrangement consisting of Aluminium extruded "I" track of 40 x 70mm duly powder coated in black texture finish, 2 wheeler trolley with ball bearing and hook placed uniformly at specific interval of 200mm throughout the track. MS fabricated grid and wall mount double bracket made out of MS C track and MS angle of suitable length as per the site conditions duly powder coated to hold the track for cyclorama. MS fabricated leading edge frame duly powder coated in black matt texture finish to keep the cyclorama in drum tight arrangement. Make: Stage Craft / Stage Technologies / Canara Lighting	1	Lot		
15	SITC of Main Valance fixing arrangement using 40NB double construction 2mm thick, 21 mtr in length MS pipe, undergone through 7 tank process with various chemical treatment to keep them rust free duly powder coated with matt black texture finish with mounting brackets to suspend the arrangement. Size: 21x1.5 mtr. Make: Stage Craft / Stage Technologies / Canara Lighting	1	Lot		
16	SITC of MS lighting junction box made up of 22SWG CRCA sheet of Jindal make undergone through various chemical treatment to keep them rust free and duly powder coated 16A CEE Socket for Dimmer points, with suitable glands. Make: ABB / Schneider / Canara Lighting.	80	Nos		
17	SITC of MS lighting junction box made up of 22SWG CRCA sheet of Jindal make undergone through various chemical treatment to keep them rust free and duly powder coated 4Way 16A CEE Socket for Cyclorama Dimmer points, with suitable glands. Make: ABB / Schneider / Canara Lighting.	6	Nos		
18	SITC of MS lighting junction box made up of 22SWG CRCA sheet of Jindal make undergone through various chemical treatment to keep them rust free and duly powder coated 4 way 10A IEC Socket with suitable glands. Make: ABB / Schneider / Canara Lighting.	38	Nos		
19	SITC of MS sheet metal fabricated DMX junction box made up of 22SWG CRCA sheet of Jindal make undergone through various chemical treatment to keep them rust free and duly powder coated and fitted with 5 pin XLR DMX connector. Make: ABB / Schneider / Canara Lighting.	21	Nos		
20	SITC of MS sheet metal fabricated 72-way power cable termination marshaling box undergone through various chemical treatment to keep them rust free and duly powder coated in black matt texture finish total circuit termination complete with connectors, glands and mounting brackets for Dimmer points. Make: Stage Craft / Stage Technologies / Canara Lighting.	1	Nos		

21	SITC of MS sheet metal fabricated 38-way power cable termination marshaling box undergone through various chemical treatment to keep them rust free and duly powder coated in black matt texture finish total circuit termination complete with connectors, glands and mounting brackets for IEC points. Make: Stage Craft / Stage Technologies / Canara Lighting	1	Nos		
22	SITC of Well designed and engineered wall / free standing floor mounted dust and vermin proof rack mount type power distribution center panel with necessary metering like voltmeter, ammeter, selector switch, outgoing feeders and 200 amps incomer and emergency trip arrangement (PDCP-400) And MCB Panel of Way rack mount internally wired to control individual 38 IEC junction boxes with 10A MCBs and individual 14 CEE Junction boxes with 16A MCBs. Duly treated for derusting in 7 tank process with dephosphating and with powder coating on both side of panel. Make: ABB / Schneider / Canara Lighting.	1	Nos		
23	SITC of 19" DIN RACK for housing for mounting Power distribution center components, MCB's, 12Channel dimmers as per electrical standards. Make: Stage Craft / Stage Technologies / Canara Lighting.	2	Nos		
24	MS Fabricated duly powder coated power junction box (PJB) for terminating the motor wires undergone through various chemical treatment to keep them rust free and duly powder coated in black matt texture finish. Make: ABB / Schneider / Canara Lighting.	21	Nos		
25	SITC of Well designed and engineered Wall mount 18 feeder Motor Control Centre Panel with necessary meterings, contactors and internally wired relays to control the Light Bars & tele-climbers (MCCP - 18). Make: ABB / Schneider / Canara Lighting.	1	Nos		
26	SITC of Well designed and engineered Wall mount 18 feeder Remote Control Panel with necessary meterings, contactors and internally wired relays to control the Light Bars & tele-climbers (RCP - 18). Make: ABB / Schneider / Canara Lighting.	1	Nos		
27	SITC of Well designed and engineered Wall mount 03 feeder Motor Control Centre Panel with necessary meterings, contactors and internally wired relays to control the curtains (MCCP - 03). Make: ABB / Schneider / Canara Lighting.	1	Nos		
28	SITC of Well designed and engineered Wall mount 03 feeder Remote Control Panel with necessary meterings, contactors and internally wired relays to control the curtains (RCP - 03). Make: ABB / Schneider / Canara Lighting.	1	Nos		
29	SITC of MS sheet metal fabricated auxiliary termination marshalling box undergone through various chemical treatment to keep them rust free and duly powder coated in black matt texture finish total circuit termination complete with connectors, glands and mounting brackets of required no of Ways as per socket configuration. (Total 16Nos) Make: Stage Craft / Stage Technologies / Canara Lighting.	1	Nos		

30	SITC of MS sheet metal fabricated DMX junction box made up of 22SWG CRCA sheet of Jindal make undergone through various chemical treatment to keep them rust free and duly powder coated and fitted with 5 pin XLR DMX IN connector for console. Make: ABB / Schneider / Canara Lighting.	1	Nos		
31	SITC of MS sheet metal fabricated power junction box duly powder coated and fitted with 2 10amps 3 pin IEC socket, ON/OFF switch and necessary glands to power splitters and console. Make: ABB / Schneider / Canara Lighting.	4	Nos		
32	SITC of MS sheet metal fabricated power junction box duly powder coated and fitted with emergency push button station for emergency trip. Make: ABB / Schneider / Canara Lighting.	1	Nos		
33	SITC of 1000W halogen Fresnel spot light providing illumination of 28000 lux at 2 mtr in spot at 10° beam angle with below specifications: <ul style="list-style-type: none"> • Lamp 1000W Gx 9.5 Base 230V 3200K • 4600 lux at 2 mtr when operated in flood at 48° beam angle • Dimension 290 x 405 x 290mm, • 150mm dia German lens, • Weight of 4.6Kg • 3 mtr power cord with 16amps 3 pin CE plug German Make • Housing - Light weight, rugged and reliable both indoor and outdoor, Robust pre-treated fabricated housing with die cast component and epoxy polyester powder coated • Distribution - Delivers smooth uniform field across the entire spread from spot to flood focusing, • Switching options - Local control and Digital DMX control through Dimmer, Dimming option - Digital DMX control through Dimmer • Reflector - Spherical high reflectivity aluminium anodized, Yoke - Fabricated using MS flat-accepts mounting on 16mm spud, Focus - controlled by front & rear thermoplastic knob Along with MS 4-leaf barndoor for 1KW Fresnel spot light. Make: Selecon / ETC / Canara lighting.	20	Nos		

34	<p>SITC of 1000W spun aluminium PARCAN made out of spun aluminium 16 SWG in 2 piece cylindrical construction with punched slot on Parcan housing for natural ventilation and floating ceramic GX16d base lamp socket, 3mtr copper flexible PVC insulated power cable with 3 pin CE insulated plug, Yoke made of MS flat 25 X 3mm with 13mm free mounting hole to fit the adaptor, spigot with 28mm and filter frame but without lamp with below specifications:</p> <ul style="list-style-type: none"> • "Lamp: 1000W 240V PAR-64 • Lamp Socket: Ceramic type GX 16D • Power Cable: 3 core,1 Sq.mm copper PVC insulated flexible cable with 10 amps double pole toggle switch • Housing: Aluminium sheet cylindrical construction with black epoxy polyester powder coated" • Switching options: Local control and Digital DMX control through Dimmer • Dimming option: Digital DMX control through Dimmer • Yoke: Fabricated using MS flat-accepts mounting on 28mm spud • Focus: Sealed beam angle • Accessories: Filter frame. <p>Make: Selecon / ETC / Canara lighting.</p>	26	Nos		
35	<p>SITC of 4x1000W halogen cyclorama light complete with safety wire mesh, 3mtr power cord with imported german make CE plug of 16Amps, normal yoke, barndoor and filter frame.</p> <p>Make: Selecon / ETC / Canara lighting.</p>	6	Nos		
36	<p>SITC of 1KW halogen flood light with textured anodised reflector, R7s base lamp compressible holders, 3mtr power cord with imported german make CE plug of 16Amps, normal yoke, barndoor and filter frame.</p> <p>Make: Selecon / ETC / Canara lighting.</p>	12	Nos		
37	<p>SITC of 54x3W LED par light complete with 1-channel DMX 512, high brightness stable performance with DMX, and power and DMX loop in and out option, technical specifications as below.</p> <ul style="list-style-type: none"> • Lamp - 54 X 3W Tungsten 3200K LED • Power consumption - 150W • Power supply - 230/240V AC • Power cable - 3 core 1.5 sq. mm. copper PVC insulated • Channels - 1 Channel DMX-512 • Beam angle - 25° (15°, 45° optional) • Control mode - DMX, and Manual. <p>Make: Selecon / Martin / Canara lighting / Robe.</p>	14	Nos		
38	<p>SITC of 54x3W LED par light complete with 8-channel DMX 512, high brightness mixing colour evenly, stable performance with sound active auto, DMX, and power and DMX loop in and out option, technical specifications as below.</p> <ul style="list-style-type: none"> • Lamp - 54 X 3W RGB LED (12R+18G+18B+6W) • Power consumption - 150W • Power supply - 230/240V AC • Power cable - 3 core 1.5 sq. mm. copper PVC insulated • Channels - 8 Channel DMX-512 • Beam angle - 25° (15°, 45° optional) • Control mode - DMX, and Manual. • Function - strobe, Dimming, sound active. <p>Make: Selecon / Martin / Canara lighting / Robe.</p>	20	Nos		

39	SITC of Diecast aluminium "C" clamp with safety pin. SWL 100 Kgs. Make: Selecon / Martin / Canara lighting / Robe.	112	Nos		
40	SITC of Diecast aluminium "C" clamp with safety locking chain, duly powder coated in black matt texture finish and technical specifications as below. • Lock - MS threaded Galvanized lock key, Plastic Glass filled nylon moulded M6 key. • Receptacle - 28mm standard TV spigot. • Safety - MS Galvanized chain with pin. • Finish - Pre-treated and black epoxy polyester powder coated. • Self weight - 0.54Kg • Safe working load – 150Kg. Make: Selecon / Martin / Canara lighting / Robe.	112	Nos		
41	SITC of Rack mount 12 channel (12chx2.5KW) Dimmer pack with following features and Specifications: Automatic frequency sensor can detect power frequency (45Hz – 63Hz) in different areas and stabilizes the dimming output. Output can be limited from 50% to 100% for over load protection. The thermo-controlled fan will be activated automatically when the temperature is over 45oC. The intelligent thermo-protection will cease the output when over 85oC and restart output when below 65oC. Self-testing function to test without a console. Each channel can be set as dimming or non-dimming. Dimming level and internal temperature monitor. Each channel is equipped with a N.F.B.Easy wiring. Specifications: Power Supply: 100-240V AC, 45-63Hz. Output: Maximal 20A per channel. Control: DMX 512 protocol Size: 482 x 132 x 316mm Weight: 13.5Kg Make: Liteputer / ADB / Zero88.	6	Nos		
42	SITC of MS perforated cable trays with lid undergone through 7Tank chemical treatment to keep them rust free and duly powder coated in black matt texture finish of Size 40 x 75 x 40mm. Make: Canara Lighting / Cope / Stage Technologies.	160	Mtrs		
43	SITC of MS perforated cable trays with lid undergone through 7Tank chemical treatment to keep them rust free and duly powder coated in black matt texture finish of Size 40 x 300 x 40mm. Make: Canara Lighting / Cope / Stage Technologies.	60	Mtrs		
44	SITC of Grid mount photo isolator DMX splitter unit 1 DMX input and 8 isolated output with following specifications: Power Supply: 90-240V AC, 45-63Hz. Control: DMX 512 protocol. Control Signal input: 5 pin XLR female. Size: 482 x 44 x 128mm. Weight: 2Kg Make: Liteputer / ADB / Zero88.	3	Nos		

45	<p>SITC of 2048 Lighting console with 24 Multifunctional Faders (channels or playbacks, with select or go buttons)</p> <ul style="list-style-type: none"> • Internal 7” multi-touch screen (using ‘PCAP’ technology) • Master Playback with Go Button playback, pause and master intensity • 4 embedded encoder wheels with select buttons • 4 User Definable Keys (advanced functionality or programmable) • Syntax Keys with familiar layout • 4 Universes over Ethernet using Art-Net or sACN • 5 multipurpose USB ports • 1 DVI-D monitor output (optional touch screen control) • Midi In/Thru (Notes, Time-code, Show Control) • 8 Contact Closure triggers via D-Sub connector • 6.35mm (1/4”) Jack input for Sound to light • Internal power supply (Neutrik powerCON connector) 2048 control channels • 241 Playbacks (equivalent of Cue Stacks, Submasters or Chases) • 10,000 cues • 4 x 240 Palettes (Colour, Beam, Shape, Position) • 240 Effect palettes, with fully customisable effects engine • 240 groups • 240 macros • Familiar Command Line interface • Integrated colour picker, filter lookups, “Mood Boards by LEE Filters” • Stage sizing and positioning • Extensive fixture library from Carallon • Auto palettes, groups and fixture macros • Gobo previews and library • Move on Dark • Tracking and Non-Tracking modes available • Support for wireless remote control through handheld devices and remote monitors • Support for Tracking Backup over Ethernet <p>Make: Liteputer / Avolite / Zero88.</p>	1	Nos		
46	<p>SITC of 750W stage profile spot light powder coated diecast body with below specification</p> <ul style="list-style-type: none"> • Lamp 750W HPL • Beam spread 19° • Dimension of 560 x 340 x 430mm • Weighing 6.2Kg, • Dichroic reflector, • G9.5 lamp base • 4 Beam shaping shutters • 3mtrs power cord with 16amps CE plug • Normal yoke with adjustable keys for tilt rotation • Fine adjustment in lamp focus position for adjustment <p>Make: Spotlight / LDR / Canara lighting / ETC / Selecon</p>	2	Nos		

47	<p>SITC of 750W stage zoom profile spot light powder coated diecast body with below specification</p> <ul style="list-style-type: none"> • Lamp 750W HPL • Beam spread 25° to 50° • Dimension of 560 x 340 x 430mm • Weighing 6.2Kg, • Dichroic reflector, • G9.5 lamp base • 4 Beam shaping shutters • 3mtrs power cord with 16amps CE plug • Normal yoke with adjustable keys for tilt rotation • Fine adjustment in lamp focus position for adjustment <p>Make: Spotlight / LDR / Canara lighting / ETC / Selecon</p>	2	Nos		
48	<p>SITC of 290W 5R Beam moving head complete with MSR 5R Lamp, Prism, Gobos, Colour effect functions with below specification:</p> <ul style="list-style-type: none"> • Pan : 540° (16 bit) Tilt : 270°(16 bit) Advanced moving system: fast, stable and quiet, auto X-Y repositioning • Shutter: 0 – 100% Dimming and variable strobe • Option of Male female DmX in/out through 3 & 5 Pins • 14 di chroic filters +open, Duo rainbow effect • 18 rotating, indexable, gobos+open • Rotating prism: Dual 8 Facet • DmX 5pin Connectors • Power Loop-in Loop-out Optional • Focus: motorized focus • 7 Pre built programming • Electronic Flicker free operation • Dimension 415 x 343 x 495mm • LED Display Indication <p>Make: Martin / Clay Paky / Canara Lighting.</p>	4	Nos		
49	<p>SITC of RGY Laser for effect purpose and specifications as below:</p> <ul style="list-style-type: none"> • Scan System : High Speed Step Motor Drive and Grating Scan • Laser Power : Red Laser:200mw Green Laser: 100mw • Wavelength : Red Laser:650nm Green Laser: 532nm • Control Mode : Sound Active, Automatic,DMX512(7 channels),Master/Slave • Demo Effect : More than one hundred of patterns and blended colour effect. • Safety Capacity : Sound active mode with the function of shut-off if there is no music. • Master/Slave mode, DMX512 mode , will shut off automatically without trigger signal. • Safer to human and environment. • Rating Power : 20W <p>Make : CT Lasers / Canara Lighting / Laser world.</p>	1	Nos		
50	<p>SITC of 2000W Fog machine wire / remote / DMX 512, electronic control temperature. Smoke output 20000cuft/min @ 12Mtrs.</p> <p>Make: Antari / Canara lighting / Robe.</p>	1	Nos		
51	<p>SITC of Assorted metal gobos size "B" for profile spot lights.</p> <p>Make: Antari / Canara lighting / Robe.</p>	4	Nos		

52	SITC of Fire retardant velvette fabric with lining, 100%(Double) gathering for Grand drape with approved colour duly stitched and with eyelets. Size: 21mtr x 10.5mtr Make: Ompile / Raymond / Rosco / JC Joel.	1	Nos		
53	SITC of Fire retardant velvette fabric with lining, 100%(Double) gathering for Mid Curtain with approved colour duly stitched and with eyelets. Size: 21mtr x 10.5mtr Make: Ompile / Raymond / Rosco / JC Joel.	1	Nos		
54	SITC of Fire retardant velvets fabric with lining, 100%(Double) gathering for Cyc tab track with approved colour duly stitched and with eyelets. Size: 21mtr x 10.5mtr Make: Ompile / Raymond / Rosco / JC Joel.	1	Nos		
55	SITC of Fire retardant cotton fabric wing duly stitched with 0% gathering. Make: Ompile / Raymond / Rosco / JC Joel.	8	Nos		
56	SITC of Fire retardant cotton fabric with lining, 100%(Double) gathering for frill with approved colour duly stitched and with eyelets. Size: 16mtr x 1mtr Make: Ompile / Raymond / Rosco / JC Joel.	4	Nos		
57	SITC of Fire retardant velvets fabric with lining 100%(2 times of the finished dimension) gathering for main valance with approved colour duly stitched of Size: 21 x 2Mtr. Make: Ompile / Raymond / Rosco / JC Joel.	1	Nos		
58	SITC of Perforated plastic cyclorama screen with perforation on 1 side of Size: 13 x 8Mtr. Make: Ompile / Raymond / Rosco / JC Joel.	1	Nos		
59	SITC of 750W G9.5 base HPL lamps. Make: Osram / Philips / GE	4	Nos		
60	SITC of 1000W 240V Gx9.5 base tungsten halogen lamps. Make: Osram / Philips / GE	20	Nos		
61	SITC of 1000W PAR 64 Gx16d base sealed narrow beam lamps. Make: Osram / Philips / GE	26	Nos		
62	SITC of 1000W 240V R7s base double ended tungsten halogen lamps. Make: Osram / Philips / GE	36	Nos		
63	SITC of Assorted colour gel filter roll size 4ft x 25ft. Make: Rosco / LEE / Zircon.	3	Roll		
64	SITC of 5 pin XLR male / female connectors Make: Neutrik / CL / Amphenol.	30	Nos		
65	SITC of 5 Pin XLR Termination plug Make: Neutrik / CL / Amphenol.	15	Nos		
66	SITC of Aluminium black wrap 2ft x 24ft. Make: Rosco / LEE / Zircon.	2	Roll		
67	SITC of PVC Copper unarmored flexible FRLS insulated multicore cable 1100V grade confirming to IS694 size 3 core X 2.5 sq mm. Make: Walna / SBEE / Polycab / Finolex	1500	Mtrs		
68	SITC of PVC Copper unarmored flexible FRLS insulated multicore cable 1100V grade confirming to IS694 size 12 core X 2.5 sq mm. Make: Walna / SBEE / Polycab / Finolex	1000	Mtrs		

69	SITC of PVC Copper armored flexible FRLS insulated multicore cable 1100V grade confirming to IS694 size 4 core X 4 sq mm. Make: Walna / SBEE / Polycab / Finolex	80	Mtrs		
70	SITC of FRLS PVC copper multistrand flexible cable 7 core x 1.5 sq.mm. Make: Walna / SBEE / Polycab / Finolex	700	Mtrs		
71	SITC of FRLS PVC copper multistrand flexible cable 24 core x 0.5 sq.mm. Make: Walna / SBEE / Polycab/ Finolex	80	Mtrs		
72	SITC of DMX signal cable for DMX network. Make: Falcon / Beldon / Polycab / Finolex	650	Mtrs		
73	SITC of 1000W Follow spot light with stand and all other required accessories. Make: Canara Lighting / Selecon / Martin.	2	Nos.		
Total Amount in figure (Inclusive of all taxes and other charges) Total 'A'					
Total Amount in words (Inclusive of all taxes and other charges)					

Comprehensive Annual Maintenance Contract -

S.no.	Items	Qty.	Unit	Unit rate	Amount
1	Comprehensive annual maintenance charges for 1st Year after warranty. Comprehensive maintenance includes all required manpower (labour & supervisor), spares (consumables also), necessary repair, replacement etc. for 24hrs.X365days. All manpower engaged will be duly qualified / experienced to the satisfaction of E.I.C.	1	each		
2	Annual maintenance charges for 2nd Year after warranty. Comprehensive maintenance includes all required manpower (labour & supervisor), spares (consumables also), necessary repair, replacement etc. for 24hrs.X365days. All manpower engaged will be duly qualified / experienced to the satisfaction of E.I.C.	1	each		
3	Annual maintenance charges for 3rd Year after warranty. Comprehensive maintenance includes all required manpower (labour & supervisor), spares (consumables also), necessary repair, replacement etc. for 24hrs.X365days. All manpower engaged will be duly qualified / experienced to the satisfaction of E.I.C.	1	each		
4	Annual maintenance charges for 4th Year after warranty. Comprehensive maintenance includes all required manpower (labour & supervisor), spares (consumables also), necessary repair, replacement etc. for 24hrs.X365days. All manpower engaged will be duly qualified / experienced to the satisfaction of E.I.C.	1	each		
Total Amount for Comprehensive AMC in Rs. Total 'B'					
Grand Total in figure in Rupees (A+B)					
Grand Total in words in Rupees					

Note:

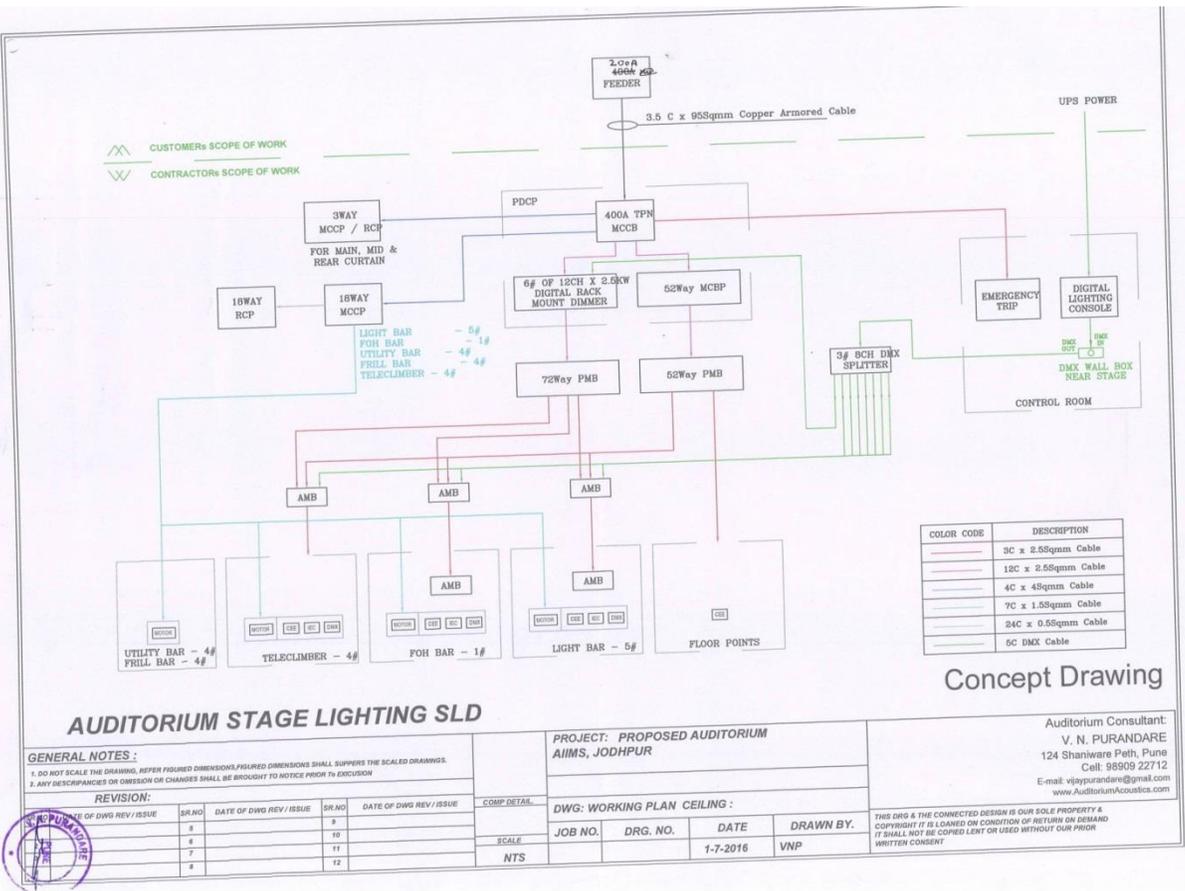
L1 will be decided on composite basis i.e. Grand Total (A+B).

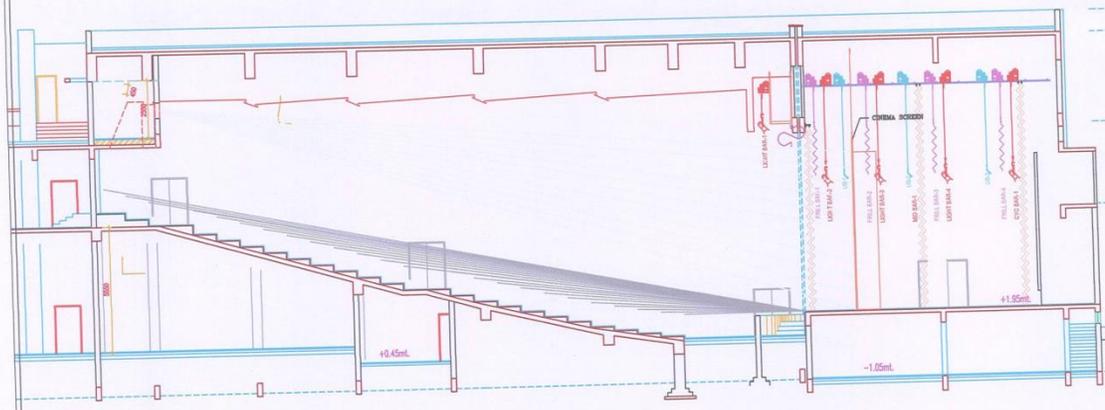
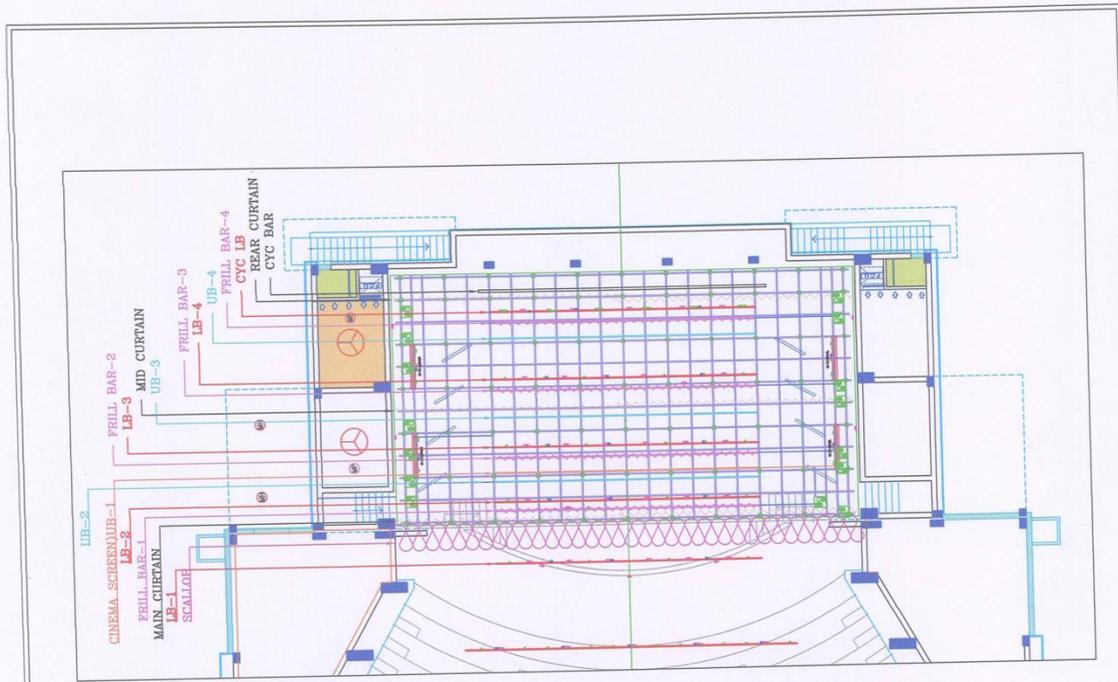
Note:-

1. Bidder must submit Financial Bid in separate envelope and clearly mention Financial Bid in Bold letters in the top of the envelope and strictly as per the format given above only
2. I/We have gone through the terms & conditions as stipulated in the tender and confirm to accept and abide the same.
3. No other charges would be payable by the Institute.
4. Quantity mentioned above is tentative, it may increase or decrease as per site requirement.
5. Contractor has to bring samples as per above preferred brands only and Engineer-in-Charge shall approve one sample out of the samples brought by the contractor. The contractor has to use material of that approved sample only. No claim in this regard shall be entertained.
6. In case of non-availability of material of approved make, prior approval from Engineer-in-charge shall be obtained for other make.

Date:
Place:

Name :
Business Address:
Signature of Bidder:
Seal of the Bidder:





AUDITORIUM STAGE DRAPERY & LIGHTING

GENERAL NOTES :
 1. DO NOT SCALE THE DRAWING. REFER FIGURED DIMENSIONS. FIGURED DIMENSIONS SHALL SUPPERS THE SCALED DRAWINGS.
 2. ANY DISCREPANCIES OR OMISSION OR CHANGES SHALL BE BROUGHT TO NOTICE PRIOR TO EXECUTION

REVISION:			
S.R.NO	DATE OF DWG REV/ISSUE	S.R.NO	DATE OF DWG REV/ISSUE
1	5	9	
2	6	10	
3	7	11	
4	8	12	

PROJECT: PROPOSED AUDITORIUM AIIMS, JODHPUR			
DWG: WORKING PLAN CEILING :			
JOB NO.	DRG. NO.	DATE	DRAWN BY.
NTS		10-4-2016	VNP

Auditorium Consultant:
 V. N. PURANDARE
 124 Shaniware Path, Puns
 Cell: 98609 22712
 E-mail: vnpurandare@gmail.com
 www.AuditoriumAcoustics.com

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