

TENDER

FOR

**Operation and Comprehensive Maintenance of Electrical Services of Substation-1,2  
and 3 at AIIMS Rishikesh**

**Tender No.: EW-MNTC/43/2021- 22**



**All India Institute of Medical Sciences Rishikesh 249202 Uttarakhand India. Office of**

**Superintending Engineer AIIMS Rishikesh. Tel No. 0135-2462968,**

**Email: - [se@aiimsrishikesh.edu.in](mailto:se@aiimsrishikesh.edu.in)**

*Submitted for  
approval Pl.  
H*

*Rahul*

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NIT approved

  
18/3/22



**INFORMATION AND INSTRUCTIONS FOR BIDDERS FOR E-TENDERING FORMING PART OF NIT AND TO BE UPLOADED ON WEBSITE**

The Superintending Engineer, AIIMS Rishikesh on behalf of Director AIIMS Rishikesh, invites item rate e-tenders two envelop (eligibility criteria + price bid) single bid system from eligible specialized firms having Experience of successfully completed similar for the following works.

S.no	NIT No.	Name of work & Location	Tender Fees	Estimated cost put to bid (Rs.)	Earnest Money (Rs.)	Stipulated Period of CAMC (in Days)	Tender filling start date.	Pre-Bid Venue & Pre Bid Date and time	Last date of online submission of bid, copy of Bid Security Declaration and other documents as specified in the bid document.	Last date of physical submission of Earnest Money Deposit (EMD)	Date & time of opening of bid
1	2	3	4	5	6	7	8	9	10		11
1	EW-MNTC/43/2021-22	Operation and Comprehensive Maintenance of Electrical Services of Substation -1,2 and 3 at AIIMS Rishikesh.	Nil	6,06,61,442.00	12,13,229.00	12+12 months	From -08.06.2022	O/o Superintending Engineer, AIIMS Rishikesh At 03:00 PM on 14.06.2022	Up to 03:00 PM on 21.06.2022	Up to 03:00 PM on 22.06.2022	03:00 PM on 22.06.2022

1. Last date of physical submission of EMD is not applicable for the bidder who deposited EMD online in the Institute account. Bidder may deposit EMD in the following account number of the Institute:-

Account Number : 6189000100021125

Bank Name : Punjab National Bank

Branch Name: Barrage const. Div., Pashulok, Rishikesh (Dehradun)

IFSC Code : PUNB0618900

2. The intending bidder must read the terms and conditions of CPWD-6 form carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.

3. Information and Instructions for bidders posted on website shall form part of bid document.

4. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website [www.aiimsrishikesh.edu.in](http://www.aiimsrishikesh.edu.in) or <https://eprocure.gov.in>.

5. Technical bids submitted by the bidder will be opened first and evaluated for fulfilling the Pre-qualification criteria and other conditions in NIT/Tender documents, based on documentary evidences submitted along with the offer.

6. Those contractors are not registered on the website mentioned above, are requested to get registered beforehand.

*[Handwritten Signature]*  
16/06/2022



7. The intending bidder must have valid class-III digital signature to submit the bid.
8. On opening date, the contractor can login and see the bid opening process. After opening of bids, he will receive the competitor bid sheets.
9. All the bidder(s) should upload eligibility documents in the form of PDF only. The lowest bidder shall have to original documents in the office of the Executive Engineer within 7 days of open of price bid.
10. Contractor must ensure to quote rate in the prescribed columns meant for quoting rate in figures.  
However, if a bidder quotes nil rates against each item in item rate tender, the tender shall be treated as invalid and will not be considered as lowest bidder.
11. The contractor should quote the rate of item including GST as per statutory rules.
12. (i) The bidder shall pay the respective amount of Bid Security (EMD) as mentioned in table by Demand Draft/Fixed Deposit/Term Deposit in favor of "AIIMS, Rishikesh" drawn on any Nationalized Bank/ Scheduled Bank and payable at AIIMS Rishikesh and must be valid for 1 month. The EMD shall be scanned or uploaded to the CPP Portal website within period of bid submission. The original EMD should be deposited in the office of EXECUTIVE ENGINEER (ELECTRICAL) within due date mentioned in the NIT. EMD receiving authority shall issue receipt of deposition to the bidder in prescribed format. Bid received without Earnest Money deposit (EMD) shall stand rejected and thus shall not be considered for evaluation etc. at any stage.  
  
(ii). Earnest Money deposited with AIIMS, Rishikesh in connection with any other tender enquiry even if for same/similar material / Stores by the tenderer will not be considered against this tender.  
  
(iii). The EMD will be forfeited if the bidder withdraws or amends its tender or impairs or derogates from the tender in any respect within the period of validity of its tender or if it comes to the notice that the information/ documents furnished in its tender is incorrect or false.
13. The bid security (EMD) without interest shall be returned to the unsuccessful bidders after finalization of contract with successful bidder.
14. The successful bidders have to execute a contract on Indian non judicial stamp paper of Rs.100/- (Rupees one hundred only) within fifteen (15) days from the date of award of this tender in his favour and also required to furnish the security deposit @ 3% against performance guarantee of contract value in the form of Fixed Deposit/Bank Guarantee/Term Deposit from any Nationalized/Schedule bank duly pledged in favour of AIIMS, Rishikesh & payable at Rishikesh only. The EMD deposited by successful bidder may be adjusted towards Security Deposit as demanded above. If the successful bidder fails to furnish the full security deposit or difference amount between Security Deposit and EMD within 15 (fifteen) days after the issue of Letter of Award of Work, his bid security (EMD) shall be forfeited automatically without any notice to contractor and award of tender in Contractor favour automatically stands terminated at his cost & liability, unless time extension has been granted by AIIMS, Rishikesh. The earnest money deposited along with bid shall be returned after receiving the aforesaid performance guarantee. The contractor whose bid is accepted will also be required to furnish either copy of applicable licensee / registration etc.
15. The bid shall be valid and open for acceptance by the competent authority of AIIMS Rishikesh for a period of 75 (seventy five) days from the last date of submission of bid and no request for any variation in quoted rates and / withdrawal of tender on any ground by bidders shall be entertained. The unilateral withdraw at any stage will cause forfeiture of EMD in addition to any remedy that the purchaser may have under the law. If any bidder withdraws his bid before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the bid which are not acceptable to the department, then the AIIMS shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further the bidders shall not be allowed to participate in the re-bidding process of the work.

18/12/22

Signature



16. List of self-attested Documents to be scanned and uploaded on the CPP portal linked with the particular tender within the period of bid submission failing which the bid of the tenderer shall be rejected.

- I. Demand Draft/Fixed Deposit/Term Deposit/Copy of deposit of EMD in the institute account /Fixed Deposit Receipt/ Bank guarantee of any scheduled bank against EMD.
  - II. Certificate of work experience of any government department/ PSU/autonomous body/ large private firm having Joint venture with Government of India or State Government (As specified in Clause 1.2.1 of CPWD-6).
  - III. Annual Financial Turnover should be at least 50% of the estimated cost put to tender during the immediate last three consecutive financial years.
  - IV. The bidder should not have incurred any lose (profit after tax should be positive) in more than two years during available last five consecutive balance sheet, duly audited and certified by the chartered accounted.
  - V. Solvency certificate of 2.45 Crore or more (i.e. 40% of estimated cost put to tender).
  - VI. Copies of affidavit for sole proprietorship/partnership deed/Memorandum and article of Association along with the details pertaining to place of registration, principal place of business of the firm etc.
  - VII. Singed with company seal on each pages of NIT and documents uploaded with bid.
  - VIII. Valid Electrical Contractor License Class-I/A issued by Government department.
  - IX. Certificate of Registration for GST and acknowledgement of GST return filed upto previous quarter.
  - X. Copy of ESIC & PFO Registration of the Govt. of India/ State Labour Department.
17. Only Authorized signatory will be permitted to sign any type of documents.

18. The soft copies of documents uploaded by contractors on CPP Portal. The lowest bidder shall have to original documents in the office of the Executive Engineer within 7 days of open of price bid. Those who fail to submit hard copies are treated as disqualified for the further process of tendering.

19. If uploaded scanned documents/tender form are not downloaded successfully, due to any technical error/corrupt files then AIIMS Rishikesh will not be liable.

**Important Note :-**

- A. All the preventive & breakdown maintenance of transformer, HT/LT breaker, DG set, UPS and allied equipments shall have to be carried out through authorized OEM/authorized dealers of the equipment(s).
- B. The contractor has to produce copy of invoice, of the spare used/replaced during maintenance to ensure saneness of the spare.

**Note: Offer without copies of the above-mentioned documents shall be summarily liable for rejection.**

*W*  
*6/6/2022*

*R*



**Govt. of India  
AIIMS, Rishikesh  
Notice Inviting e-Tender**

The Superintending Engineer, AIIMS Rishikesh on behalf of Director, AIIMS Rishikesh invites item rate e-tenders two envelop (eligibility criteria + price bid) single bid system from eligible specialized firms having Experience of successfully completed similar for the following works.

**Name of Work: - "Operation and Comprehensive Maintenance of Electrical Services of Substation-1,2 and 3 at AIIMS Rishikesh"**

- 1.1 The work is estimated to Cost Rs. **6,06,61,442.00** This estimate, however, is given merely as a rough guide.
- 1.2 Intending tenderer is eligible to submit the bid provided he has definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority, of having satisfactorily completed similar works of magnitude specified below:-

**Criteria of eligibility for submission of bid documents.**

**1.2.1 Criteria of eligibility**

- (i) Experience: - The Contractor should have experience of successfully completed works during last seven years ending on previous day of last day of submission of tender in Govt. Department/ PSU/ Autonomous body / Large private firm having Joint venture with Government of India or State Government.

Three similar works each of value not less than Rs. 2,42,64,576.00 (40% of the estimated cost put up to tender) with capacity of individual DG set not less than 1600 KVA, 33KV/11KV substation equipment individual Transformer capacity not less than 4.8 MVA.

Or

Two similar works each value not less than. Rs. 3,63,96,865.00 (60% of the estimated cost put up to tender) with capacity of individual DG set not less than 1600 KVA, 33KV/11KV substation equipment individual Transformer capacity not less than 4.8 MVA.

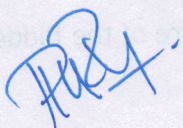
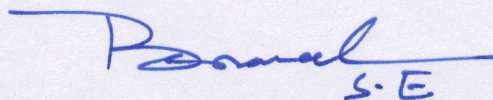
Or

One similar works each value not less than Rs. 4,85,29,153.00 (80% of the estimated cost put up to tender) with capacity of individual DG set not less than 1600 KVA, 33KV/11KV substation equipment individual Transformer capacity not less than 4.8 MVA.

Similar works means Operation and Comprehensive Maintenance of Electro-Mechanical such as Substation, DG set, Transformers etc. of any government organization/autonomous body/PSU, as described above.

The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum; calculated from the date of completion to last date of receipt of tenders.

- (ii) Demand Draft/Fixed Deposit/Term Deposit/Copy of deposit of EMD in the institute account /Fixed Deposit Receipt/ Bank guarantee of any scheduled bank against EMD.
- (iii) Annual Financial Turnover should be at least 50% of the estimated cost put to tender during the immediate last three consecutive financial years.
- (iv) The bidder should not have incurred any lose (profit after tax should be positive) in more than two years during available last five consecutive balance sheet, duly audited and certified by the chartered accounted.
- (v) Solvency certificate of 2.5 Crore or more (i.e. 40% of estimated cost put to tender).
- (vi) Copies of affidavit for sole proprietorship/partnership deed/Memorandum and



- (vii) Singed with company seal on each pages of NIT and documents uploaded with bid.
- (viii) Valid Electrical Contractor License Class-I/A issued by Government department.
- (ix) Certificate of Registration for GST and acknowledgement of GST filed return upto previous quarter.
- (x) Copy of ESIC & EPFO Registration of the Govt. of India/ State Labour Department.

1.2.2 An Agreement shall be drawn with the successful bidders on prescribed Form No. CPWD

7/8 (or other standard Form as mentioned) which is available as a Govt. of India Publication and available on website [www.cpwd.gov.in](http://www.cpwd.gov.in). Bidders shall quote his rates as per various terms and conditions of the said form, which will form part of the agreement.

1.2.3 The time of CAMC will be 12+12 months from the date of start as defined in schedule 'F' or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the tender documents. The initially award of CAMC shall be 12 months only. The CAMC for next 12 months shall be awarded on already approved rates subject to satisfactory completion of previous 12 months of CAMC.

1.2.4 The site for the work is available.

1.2.5 The bid document consisting of plans if any, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents except Standard General Conditions of Contract Form can be seen from website [www.aiimsrishikesh.edu.in](http://www.aiimsrishikesh.edu.in) or <https://eprocure.gov.in>.

1.2.6 After submission of the bid, the contractor can re-submit revised bid any number of times but before last time and date of submission of bid as notified.

1.2.7 While submitting the revised bid, contractor can revise the rate of one or more item(s) any number of time (he need not re-enter rate of all the items) but before last time and date of submission of bid as notified.

1.2.8 (i) The bidder shall pay the respective amount of Bid Security (EMD) as mentioned in table by Demand Draft/Fixed Deposit/Term Deposit in favor of "AIIMS, Rishikesh" drawn on any Nationalized Bank/ Scheduled Bank and payable at AIIMS Rishikesh and must be valid for 1 month. The EMD shall be scanned or uploaded to the GeM Portal website within period of bid submission. The original EMD should be deposited in the office of EXECUTIVE ENGINEER (ELECTRICAL) within due date mentioned in the NIT. EMD receiving authority shall issue receipt of deposition to the bidder in prescribed format. Bid received without Earnest Money deposit (EMD) shall stand rejected and thus shall not be considered for evaluation etc. at any stage.

(ii). Earnest Money deposited with AIIMS, Rishikesh in connection with any other tender enquiry even if for same/similar material / Stores by the tenderer will not be considered against this tender.

(iii). The EMD will be forfeited if the bidder withdraws or amends its tender or impairs or derogates from the tender in any respect within the period of validity of its tender or if it comes to the notice that the information/ documents furnished in its tender is incorrect or false.

1.2.9 Online bid documents submitted by intending bidders shall be opened only of those bidders, whose original EMD deposited (as per the latest guidelines of Ministry of finance and department of expenditure).

1.2.10 The Bid submitted shall become invalid if:

- (i) The bidders is found ineligible.

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- (ii) The bidders does not upload scanned copies of all the documents (including GST) as stipulated in the bid document.
- (iii) If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies.
- (iv) If a tender quotes nil rates against each items in item rate tender or does not quote any percentage above/below on the total amount of the tender or any section/ sub head in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.

- 1.2.11 The contractor whose bid is accepted will be required to furnish performance guarantee of 3% (Three Percent) or as per latest guidelines of ministry of finance and Department of expenditure of the bid 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. 10000/-) 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. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule 'F' including the extended period if any, the Earnest Money deposited (as per the latest guidelines of ministry of finance and department of expenditure) by the contractor shall be forfeited automatically without any notice to the contractor. The earnest money deposited along with the bid shall be returned after receiving the aforesaid performance guarantee.
- 1.2.12 The contractor whose bid is accepted will also be required to furnish either copy of applicable licenses/registration or proof of applying for obtaining labour licenses, registration with EPFO, ESIC and BOCW welfare Board including Provident Fund Code No. if applicable and also ensure the compliance of aforesaid provisions by the subcontractors, if any engaged by the contractor for the said work within the period specified in schedule F.
- 1.2.13 Intending bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bids as to the nature of the working site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid. A bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. The bidder shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a bid by a bidder implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.
- 1.2.14 The competent authority on behalf of the Director of AIIMS Rishikesh does not bind itself to accept the lowest or any other bid and reserves to itself the authority to reject any or all the bids received without the assignment of any reason. All bids in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the tenderer shall be summarily rejected.
- 1.2.15 Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to rejection.
- 1.2.16 The competent authority on behalf of the Director of AIIMS Rishikesh reserves to himself the right of accepting the whole or any part of the tender and the tenderer shall be bound to perform the same at the rate quoted.

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- 1.2.17 The contractor shall not be permitted to tender for works in AIIMS Rishikesh in which his near relative is posted as Divisional Accountant or as an officer in any capacity between the grades of Superintending Engineer, Executive Engineer and Junior Engineer . 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 AIIMS Rishikesh. Any breach of this condition by the contractor would render him liable to reject his Bid submitted by him.
- 1.2.18 No Engineer of Gazetted rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the previous permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as previously mentioned before submission of the tender or engagement in the contractor's service.
- 1.2.19 The bid for the works shall remain open for acceptance for a period of **75 (seventy five)** days from the last date of submission of bids.
- 1.2.20 This notice inviting Bid shall form a part of the contract document. The successful bidders /contractor, on acceptance of his bid by the Accepting Authority shall within 15 days from the stipulated date of start of the work, sign the contract consisting of: -
- a) The Notice Inviting Bid, all the documents including additional conditions, specifications and drawings, if any, forming part of the tender as uploaded at the time of invitation of tender and the rates quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.
  - b) Standard C.P.W.D. Form 7/8 or other Standard C.P.W.D. Form as applicable. C.P.W.D General Condition of Contract -2020 (Maintenance) with updated amendment (s) if any.
- 1.2.21 In case the bidder withdraw tender or make any modification in the terms & condition of the Tender which is not acceptable to the department. On view of earnest money non-deposit following bid security declaration , the contractor shall be suspended for two year and shall not be eligible to bid for AIIMS, Rishikesh tenders from date of issue of suspension order.

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Amendment in CPWD General Condition of Contract (GCC) 2020 Maintenance Work.

Sr.no	Existing Provision	Modified Provision (Read as)
1	C.P.W.D	AIIMS Rishikesh.
2	President of India	Director of AIIMS Rishikesh
3	SE of Circle	SE of AIIMS Rishikesh.
4	CE of Zone	Director of AIIMS Rishikesh.
5	DDH	EE (Civil)
6	Government of India	AIIMS Rishikesh
7	CPWD Contractor's Labour Regulations.	Labour Regulations of Government of India/State.
8	ADG	Director of AIIMS Rishikesh.
9	Settlement of Disputes & Arbitration(Clause 25)	Modified (attached at page no.16)

To view CPWD General Condition of Contract (GCC) click on the link  
[https://cpwd.gov.in/Publication/GCC Maintenance Works 2020.pdf](https://cpwd.gov.in/Publication/GCC_Maintenance_Works_2020.pdf)





## GENERAL GUIDELINES

1. This book of "General Conditions of Contract" is applicable to both types of tenders i.e. "Percentage rate tenders and Item rate tenders". Accordingly, alternative provisions for conditions Nos. 4A, 9 & 10 of the General Rules and Directions are given in this book. The appropriate alternatives will be applicable in specific cases depending on whether this is used for percentage rate tender (CPWD-7) or item rate tender (CPWD-8).
2. CPWD-6, Schedules A to F, special conditions/specifications and drawings etc. will be part of NIT and shall be uploaded.
3. The intending bidders will quote their rates in Schedule A and schedule A to F and proforma for registers are only for information and guidance
4. Authority approving the Notice Inviting Tenders (NIT) shall fill up all the blanks in CPWD-6 and in Schedules B to F before issue of Tender Papers.
5. The intending bidders will quote their rates in Schedule A.
6. The proforma for registers and Schedules A to F are only for information and guidance. These are not to be filled in the Standard Form. The Schedules with all blanks, duly filled, shall be separately issued to all intending tenderers.

**Note :- In case of any discrepancies between Hindi and English version, English version will prevail.**

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**GOVERNMENT OF INDIA**  
**AIIMS Rishikesh**

Percentage Rate Tender /item Rate & Contract for Works

Tender for the work of: - **Operation and Comprehensive Maintenance of Electrical Services of Substation-1,2 and 3 at AIIMS Rishikesh**

- (i) To be uploaded by 15:00 Hours on 08.06.2022 at CPP Portal.
- (ii) To be opened in presence of tenderers who may be present at 15:00 Hours on 22.06.2022 in AIIMS Rishikesh.

**TENDER**

I/We have read and examined the notice inviting tender, schedule, A, B, C, D, E & F Specifications applicable, Drawings & Designs, General Rules and Directions, Conditions of Contract, clauses of contract, Special conditions, Schedule of Rate & other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work.

I/We hereby tender for the execution of the work specified for the Director of AIIMS within the time specified in Schedule 'F' viz., schedule of quantities and in accordance in all respect with the specifications, designs, drawing 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 respect of accordance with, such conditions so far as applicable.

I/We agree to keep the tender open for 75 (Seventy Five) days from the last date of submission of bids and not to make any modification in its terms and conditions.

A sum of **Rs 12,13,229.00** 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 Director of AIIMS Rishikesh or his successors, in office shall without prejudice to any other right or remedy to take action. Further, if I/We fail to commence work as specified, I/We agree that Director of AIIMS Rishikesh or the successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said the 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 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, Rishikesh 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.

*(Handwritten signature)*



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 there from to any person other than a person to whom I/We am/are authorized to communicate the same or use the information in any manner prejudicial to the safety of the State.

Dated :-.....

Signature of Contractor:-

Witness :-

Postal Address:-

Address: -

Occupation :-

### ACCEPTANCE

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for an on behalf of the Director, AIIMS Rishikesh for a sum of Rs.

.....(Rupees.....  
.....).

The letters referred to below shall form part of this contract / agreement:-

- (a)
- (b)
- (c)

For & on behalf of Director of AIIMS

Signature .....

Dated:

Designation

7



**GOVERNMENT OF INDIA**  
**CENTRAL PUBLIC WORKS DEPARTMENT**

**General Rules &  
Directions**

1. All work proposed for execution by contract will be notified in a form of invitation to tender pasted by publication in News papers 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 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.
4. 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, or CE of the zone EE(s) in-charge of major & minor component(s) (also DDH in case Horticulture work is also included in the tender), and the lowest contractors those have quoted equal amount of their tenders.

**Applicable for Item  
Rate Tender only  
(CPWD - 8)**



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)**

4A. 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 :-

- I. The contractor does not quote percentage above/below on the total amount of tender or any section/sub head of the tender.
- II. 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.
- III. 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.

4B. In case the lowest tendered amount (estimated cost + 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 contractor 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, or CE of the zone EE(s) in-charge of major & minor component(s) (also DDH in case Horticulture work is also included in the tender), & 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.
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. 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 Item  
Rate Tender only  
(CPWD - 8)**

However, if a tenderer quotes nil rates against each item in item rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer and earnest money deposited shall be forfeited.

9. 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 no discrepancy.
10. 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.
11. (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
- (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 2.5% of the tendered value of the work. The Security deposit will be collected by deductions

**Applicable for  
percentage Rate  
Tender only  
(CPWD - 7)**

**Applicable for  
Percentage Rate  
Tender only  
(CPWD - 7)**



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 will also be accepted for this purpose provided confirmatory advice is enclosed.

12. 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.
13. GST or any other tax applicable in respect of inputs procured by the contractor for this contract shall be payable by the Contractor and Government will not entertain any claim whatsoever in respect of the same. However, component of GST at time of supply of service (as provided in CGST Act 2017) provided by the contract shall be varied if different from that applicable on the last date of receipt of tender including extension if any.
14. The contractor shall give a list of both gazetted and non-gazetted C.P.W.D. employees related to him.
15. 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.
16. The contractor shall submit list of works which are in hand (progress) in the following form:-

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

## CONDITIONS OF CONTRACT

### Definitions

1. 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.
2. 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, places on, into or or where work is to be executed under the contract or any adjacent land, path or street or where work is to be executed under the contract or any adjacent land, path or street which may be temporarily 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) **Government** or **Government of India** shall mean the President of India.
  - (vi) The **Engineer-in-charge** means the Engineer Officer who shall supervise and be in charge of the work and who shall sign the contract on behalf of the President of India as mentioned in Schedule 'F' hereunder .
  - (vii) The term **Director General** includes Special Director General/Additional Director General/Chief Engineer.
  - (viii) **Accepting Authority** shall mean the authority mentioned in Schedule 'F'.
  - (ix) **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.
  - (x) **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.



Provided that no extra overheads and profits shall be payable on the part(s) of work assigned to other agency(s) by the contractor as per terms of contract.

Schedule(s) referred to in these conditions shall mean the relevant schedule(s) annexed to the tender documents 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.
- (xv) **GST** shall mean Goods and Service Tax - Central, State and Inter State.

**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 documents. 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 labourers, 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:
    - (a) Various standard clauses with corrections up to the date stipulated in Schedule 'F' along with annexures thereto.
    - (b) C.P.W.D. Safety Code.
    - (c) Model Rules for the protection of health, sanitary arrangements for workers employed by CPWD or its contractors.
    - (d) CPWD Contractor's Labour Regulations.
    - (e) 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.



## GENERAL CONDITION OF CONTRACT

### CLAUSES OF CONTRACT

#### Performance Guarantee

#### 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 minimum 60 days beyond that, if the same is submitted by the agency on schedule format I as per GCC. If the same is submitted on the format II as per GCC then the performance Guarantee shall be valid up to the stipulated date of completion plus minimum 6 months 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 yearwise 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.

**Recovery of Security Deposit**

**Clause 1A**

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 2.5% of the gross amount of each running and final bill till the sum deducted will amount to security deposit of 2.5% 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 there from, 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 2**

**Compensation for Delay**

If the contractor fails to maintain the required progress in terms of clause 5 or to complete the work and clear the site on or before the contract or justified extended date of completion as per clause 5 (excluding any extension under Clause 5.5) as well as any extension granted under clauses 12 and 15, he shall, without prejudice to any other right or remedy



available under the law to the Government on account of such breach, pay as compensation the amount calculated at the rates stipulated below as the authority specified in schedule 'F' may decide on the amount of accepted Tendered Value of the work for every completed day/month (as determined) that the progress remains below that specified in Clause 5 or that the work remains incomplete.

Compensation for delay of work

Modified as per special condition of contract as attached at page no. 118, point no. 42

Provided always that the total amount of compensation for delay to be paid under this condition shall not exceed 10 % of the accepted Tendered Value of work. In case no compensation has been decided by the authority in Schedule 'F' during the progress of work, this shall be no waiver of right to levy compensation by the said authority if the work remains incomplete on final justified extended date of completion. If the Engineer in Charge decides to give further extension of time allowing performance of work beyond the justified extended date, the contractor shall be liable to pay compensation for such extended period. If any variation in amount of contract takes place during such extended period beyond justified extended date and the contractor becomes entitled to additional time under clause 12, the net period for such variation shall be accounted for while deciding the period for levy of compensation. However, during such further extended period beyond the justified extended period, if any delay occurs by events under sub clause 5.2, the contractor shall be liable to pay compensation for such delay.

This is without prejudice to right of action by the Engineer in Charge under clause 3 for delay in performance and claim of compensation under that clause.

In case action under clause 2 has not been finalized and the work has been determined under clause 3, the right of action under this clause shall remain post determination of contract but levy of compensation shall be for days the progress is behind the schedule on date of determination, as assessed by the authority in Schedule F, after due consideration of justified extension. The compensation for delay, if not decided before the determination of contract, shall be decided after of determination of contract.

The amount of compensation may be adjusted or set-off against any sum payable to the Contractor under this or any other contract with the Government. In case, the contractor does not achieve a particular milestone mentioned in schedule F, or the re-scheduled milestone(s) in terms of Clause 5.4, the amount shown against that milestone shall be withheld, to be adjusted against the compensation levied as above. With-holding of this amount on failure to achieve a milestone, shall be automatic without any notice to the contractor. However, if the contractor catches up with the progress of work on the subsequent milestone(s), the withheld amount shall be released. In case the contractor fails to make up for the delay in subsequent milestone(s), amount mentioned against each milestone missed subsequently also shall be withheld. However, no interest, whatsoever, shall be payable on such withheld amount.

**When Contract can  
be Determined**

**Clause 3**

Subject to other provisions contained in this clause, the Engineer-in-Charge may, without prejudice to any other rights or remedy against the contractor in respect of any delay, not following safety norms 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 un-workman 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 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 or section of work with individual date of completion on or before the stipulated or justified extended date, on or before such date of completion; and the Engineer in Charge without any prejudice to any other right or remedy under any other provision in the contract has given further reasonable time in a notice given in writing in that behalf as either mutually agreed or in absence of such mutual agreement by his own assessment making such time essence of contract and in the opinion of Engineer-in-Charge the contractor will be unable to complete the same or does not complete the same within the period specified.
- (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 (excluding part(s) of work assigned to other agency(s) by the contractor as per terms of contract), 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 so far as performance of work by the Contractor is concerned (of which determination notice in writing to the contractor under the hand of the Engineer-in-Charge shall be conclusive evidence). Upon such determination, Security Deposit already recovered, Security Deposit, payable, 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 by giving notice to the other party stating the reasons. In such eventuality, the Performance Guarantee of the contractor shall be refunded within 15 days Neither party shall claim any compensation for such eventuality. This clause is not applicable for any breach of the contract by either party.

**Contractor liable to pay compensation even if action not taken under Clause 3**

**Clause 4**

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 work shall commence from such time period as mentioned in schedule 'F' or from the date of handing over of the site, notified by the Engineer-in-Charge, whichever is later. If the Contractor commits default in commencing the execution of the work as aforesaid, the performance guarantee shall be forfeited by the Engineer in Charge and shall be absolutely at the disposal of the Government without prejudice to any other right or remedy available in law.

5.1 (i) As soon as possible but within 7 (seven) working days of award of work and in consideration of

(a) Schedule of handing over of site as specified in the Schedule 'F'

(b) Schedule of issue of drawings if applicable as specified in the Schedule 'F'

the Contractor shall submit a Time and Progress Chart for each mile stone. The Engineer-in-Charge may within 7 (seven) working days thereafter, if required modify, and communicate the program approved to the contractor failing which the program submitted by the contractor shall be deemed to be approved by the Engineer-in-Charge. The work programme shall include all details of balance drawings and decisions required to complete the contract with specific dates by which these details are required by contractor without causing any delay in execution of the work. 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.

- (ii) In case of non submission of work programme by the contractor the program approved by the Engineer-in-Charge shall be deemed to be final.
- (iii) The approval by the Engineer-in-Charge of such programme shall not relieve the contractor of any of the obligations under the contract.
- (iv) The contractor shall submit the Time and Progress Chart and progress report using the mutually agreed software or in other format decided by Engineer-in-Charge for the work done during previous month to the Engineer-in-charge on or before 5th day of each month failing which a recovery as per Schedule F to be decided by the NIT approving authority shall be made on per week or part basis in case of delay in submission of the monthly progress report

**5.2 Deleted**

- 5.3** In case the work is hindered in the opinion of the contractor, by the Department for any reason/event, for which the Department is responsible. The authority as indicated in Schedule 'F' shall, if justified, give a fair and reasonable extension of time and reschedule the mile stones for completion of work

Such extension of time or rescheduling of milestone/s shall be without prejudice to any other right or remedy of the parties in contract or in law; provided further that for concurrent delays under this sub clause and sub clause 5.2 to the extent the delay is covered under sub clause 5.2 the contractor shall be entitled to only extension of time and no damages.

- 5.4** Request for rescheduling of Mile stones or 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 forms i.e. Form of application by the contractor for seeking rescheduling of milestones or Form of application by the contractor for seeking extension of time (Appendix -XVI) respectively to the authority as indicated in Schedule 'F'. The Contractor shall indicate in such a request the period by which rescheduling of milestone/s or extension of time is desired.

With every request for rescheduling of milestones, or if at any time the actual progress of work falls behind the approved programme by more than 10% of the stipulated period of completion of contract, the contractor shall produce a revised programme which shall include all details of pending drawings and decisions required to complete the contract and also the target dates by which these details should be available without causing any delay in execution of the work. A recovery as specified in Schedule 'F' shall be made on per day basis in case of delay in submission of the revised programme.

- 5.4.1** In any such case the authority as indicated in Schedule 'F' may give a fair and reasonable extension of time for completion of work or reschedule the mile stones. Engineer -in-Charge shall finalize/ reschedule a particular mile stone before taking an action against subsequent mile stone Such extension or rescheduling of the milestones shall be communicated to the Contractor by the authority as indicated in Schedule 'F' in writing, within 21 days of the date of receipt of such request from the Contractor in prescribed form. In event of non application by the contractor for extension of time E-in-C after affording opportunity to the contractor, may give, supported with a programme (as specified under 5.4 above), a fair and reasonable extension within a reasonable period of occurrence of the event.

- 5.5** In case the work is delayed by any reasons, in the opinion of the Engineer-in-Charge, by the contractor for reasons beyond the events mentioned in clause 5.2 or clause 5.3 or clause 5.4 and beyond the justified extended date; without prejudice to right to take action under Clause 3, the Engineer-in-Charge may grant extension of time required for completion of work without rescheduling of milestones. The contractor shall be



liable for levy of compensation for delay for such extension of time.

**Clause 5A Deleted**

**Computerized  
Measurement Book**

**Clause 6**

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

All measurements of all items having financial value shall be entered by the contractor and compiled in the shape of the Computerized Measurement Book having pages of A-4 size as per the format of the department so that a complete record is obtained of all the items of works performed under the contract.

All such measurements and levels recorded by the contractor or his authorized representative from time to time, during the progress of the work, shall be got checked by the contractor from the Engineer-in-Charge or his authorized representative as per interval or program fixed in consultation with Engineer-in-Charge or his authorized representative. After the necessary corrections made by the Engineer-in-Charge, the measurement sheets shall be returned to the contractor for incorporating the corrections and for resubmission to the Engineer-in-Charge for the dated signatures by the Engineer-in-Charge and the contractor or their representatives in token of their acceptance.

Whenever bill is due for payment, the contractor would initially submit draft computerized measurement sheets and these measurements would be got checked/test checked from the Engineer-in-Charge and/or his authorized representative. The contractor will, thereafter, incorporate such changes as may be done during these checks/test checks in his draft computerized measurements, and submit to the department a computerized measurement book, duly bound, and with its pages machine numbered. The Engineer-in-Charge and/or his authorized representative would thereafter check this MB, and record the necessary certificates for their checks/test checks.

The final, fair, computerized measurement book given by the contractor, duly bound, with its pages machine numbered, should be 100% correct, and no cutting or over-writing in the measurements would thereafter be allowed. If at all any error is noticed, the contractor shall have to submit a fresh computerized MB with its pages duly machine numbered and bound, after getting the earlier MB cancelled by the department. Thereafter, the MB shall be taken in the Divisional Office records, and allotted a number as per the Register of Computerized MBs. This should be done before the corresponding bill is submitted to the Division Office for payment. The contractor shall submit two spare copies of such computerized MB's for the purpose of reference and record by the various officers of the department.

The contractor shall also submit to the department separately his computerized Abstract of Cost and the bill based on these measurements, duly bound, and its pages machine numbered along with two spare copies of the "bill. Thereafter, this bill will be processed by the Division Office and allotted a number as per the computerized record in the same way as done for the measurement book meant for measurements.

The contractor shall, without extra charge, provide all assistance with every appliance, labour and other things necessary for checking of measurements/levels by the Engineer-in-Charge or his representative.

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 checking and/or test checking the measurement of any work in order that the same may be checked and/or test checked and correct dimensions thereof be taken before the same is covered up or placed beyond the reach of checking and/or test checking 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 checking and/or test checking 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 .

**Payment on intermediate certificate to be regarded as Advances**

**Clause 7**

No payment shall be made for work, estimated to cost Rs. Five lac 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. Five lac, 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, 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.

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.

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 bills to be submitted by the contractor within 10 days of the interim payment. In case of delay in submission of bill by the contractor a simple interest @ 10% (ten percent) per annum shall be paid to the Government from the date of expiry of prescribed time limit which will be compounded on yearly basis.



**Payments in composite Contracts**

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.

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 7A**

No Running Account Bill shall be paid for the work till the applicable labour licenses, registration with EPFO, ESIC and BOCW Welfare Board, whatever applicable are submitted by the contractor to the Engineer-in-Charge.

**Clause 8**

**Completion Certificate**

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**

**Contractor to keep Site Clean**

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 days notice in writing to 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 recorded 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 three months the period specified here in under, the period being reckoned from the date of receipt of the bill by the Engineer-in- Charge or his authorized Asstt. Engineer/ Junior Engineer, complete with account of materials issued by the Department and dismantled materials if any.

- (a) If the Tendered value of work is up to Rs. 45 lac : 2 months
- (b) If the Tendered value of work is more than Rs.45 lac and up to Rs. 2.5 Crore : 3 months
- (c) If the Tendered value of work exceeds Rs. 2.5 Crore : 6 months

If the final bill is submitted by the contractor within the period specified above and delay in payment of final bills is made by the deptt. After prescribed time limit a simple interest@ 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 is found to be in order.

#### **Clause 9A**

#### **Payment of Contractor's Bills to Banks**

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 vis the President of India.

#### **Clause 10A**

#### **Materials to be provided by the Contractor**

The contractor shall, at his own expense, provide all materials, required for the works other than those which are stipulated to be supplied by the 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 his approval, fresh samples complying with the specifications laid down in the contract. When materials are required to be tested in accordance with specifications, approval of the 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.

<b>Clause 10 B</b>	<b>Deleted</b>
<b>Clause 10 C</b>	<b>Deleted</b>
<b>Clause 10 CC</b>	<b>Deleted</b>
<b>Clause 10 D</b>	<b>Deleted</b>



**Work to be Executed  
in Accordance with  
Specifications,  
Drawings, Orders  
etc.**

**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.

**Deviations/  
Variations Extent  
and Pricing**

**Clause 12**

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 should not exceed 1.25 times of Tendered amount. Any further deviation beyond this limit upto 1.5 times of tendered amount shall be approved by the authority mentioned in schedule 'F' with recorded reason and in exceptional case, ADG shall have full power to approve the deviation beyond 1.50 times of tendered amount with recorded reason and take suitable corrective action.

**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.

**Deviation, Extra  
Items and Pricing**

**12.2** 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, deviated  
Quantities, Pricing**

**12.3** 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.

In the case of contract items, which exceed the limits laid down in schedule F, the contractor shall be paid rates at Agreement rate/Market rate whichever is lower.

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** 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, over head 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 metres 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.

**12.5** Any operation incidental to or necessarily has to be in contemplation of tenderer while quoting 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 or during the progress of work, the purpose or object for which the work is being done changes due to any supervening cause and as a result of which the work has to be abandoned or reduced in scope the Engineer-in-Charge shall give notice in writing to that effect to the contractor stating the decision as well as the cause for such decision and the contractor shall act accordingly in the matter. The contractor shall have no claim to any payment of compensation or otherwise whatsoever, on account of any profit or advantage which he might have derived from the execution of the works in full but which he did not derive in consequence of the foreclosure of the whole or part of the works.

The contractor shall be paid at contract rates, full amount for works executed at site and, in addition, a reasonable amount as certified by the Engineer-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) Reasonable compensation for transfer of T & P from site to contractor's permanent stores or to his other works, whichever is less. If T & P are not transported to either of the said places, no cost of transportation shall be payable.
- (iv) Reasonable compensation for repatriation of contractor's site staff and imported labour to the extent necessary.

The contractor shall, if required by the Engineer-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.

In the event of action being taken under Clause 13 to reduce the scope of work, the contractor may furnish fresh Performance Guarantee on the same conditions, in the same manner and at the same rate for the balance tendered amount and initially valid up to the extended date of completion or stipulated date of completion if no extension has been granted plus minimum 60 days beyond that. Wherever such a fresh Performance Guarantee is furnished by the contractor the Engineer-in-Charge may return the previous Performance Guarantee.

#### **Clause 14**

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 working 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 working 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.
- (iii) 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.

**Carrying out part work at risk & cost of 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 Engineer in- 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.
- (iii) 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 subpara (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 Government, 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 16**

#### **Action in case Work not done as per Specifications**

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



If it shall appear to the Engineer-in-charge or his authorized subordinates in charge of the work or to the Chief Engineer in charge of Quality Assurance or his subordinate officers or the officers of the organization engaged by the Department for Quality Assurance or to the Chief Technical Examiner or his subordinate officers, that any work has been executed with unsound, imperfect, or unskillful workmanship, or with materials or articles provided by him for the execution of the work which are unsound or of a quality inferior to that contracted or otherwise not in accordance with the contract, the contractor shall, on demand in writing which shall be made within twelve months (six months in the case of work costing Rs. 10 Lac and below except road work) 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, 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 18A**

**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 18B**

**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 licence under the Contract Labour (R&A) Act, 1970, and the Contract Labour (Regulation and Abolition) Central Rules, 1971, before the commencement of the work, and continue to have a valid license until the completion of the work.

The contractor shall also comply with provisions of the Inter-State Migrant Workmen (Regulation of Employment and Conditions of Service) Act, 1979. 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 19B**

**Payment of Wages**

- (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 unauthorizedly made, maintenance of wage books or wage slips publication of scale of wage and other terms of employment, inspection and submission of periodical returns and all other matters of the like nature or as per the provisions of the Contract Labour (Regulation and Abolition) Act, 1970, and the Contract Labour (Regulation and Abolition) Central Rules, 1971, wherever applicable
- (iv) (a) The 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.

- (v) The contractor shall comply with the provisions of the Payment of Wages Act, 1936, Minimum Wages Act, 1948, Employees Liability Act, 1938, Workmen's Compensation Act, 1923, Industrial Disputes Act, 1947, Maternity Benefits Act, 1961, and the Contractor's Labour (Regulation and Abolition) Act 1970, or the modifications thereof or any other laws relating thereto and the rules made there under from time to time.
- (vi) The contractor shall indemnify and keep indemnified Government against payments to be made under and for the observance of the laws aforesaid and the C.P.W.D. Contractor's Labour Regulations without prejudice to his right to claim indemnity from his sub-contractors.
- (vii) The laws aforesaid shall be deemed to be a part of this contract and any breach thereof shall be deemed to be a breach of this contract.
- (viii) Whatever is the minimum wage for the time being, or if the wage payable is higher than such wage, such wage shall be paid by the contractor to the workmen directly without the intervention of Jamadar and that Jamadar shall not be entitled to deduct or recover any amount from the minimum wage payable to the workmen as and by way of commission or otherwise.
- (ix) The contractor shall ensure that no amount by way of commission or otherwise is deducted or recovered by the Jamadar from the wage of workmen.

#### **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 as decided by the authority mentioned in Schedule F 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 19D**

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 for night 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 as decided by the authority mentioned in Schedule F 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 19E**

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.

#### **Clause 19F**

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

1. Leave :
  - (i) in the case of delivery - maternity leave not exceeding 8 weeks, 4 weeks up to and including the day of delivery and 4 weeks following that day,
  - (ii) in the case of miscarriage - 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 19G**

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 as decided by the authority mentioned in Schedule F 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 percent 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 as per 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 remodelled 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 19H**

The contractor(s) shall at his/their own cost arrange appropriate accommodation for his/their labour employed which should have proper doors windows, ventilation, water supply, drainage, & sanitary installation etc.

**Clause 19I**

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 labourers, whether temporary or permanent and he shall be responsible for any untoward action on the part of such labour.

#### **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/ Chief Engineer whose decision shall be final both with regard to the justification and quantum and be binding on the contractor.

However, the Superintending Engineer/ Chief 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 Engineer-in- 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 specified in schedule 'F' 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.

For work costing more than Rs. 10 Crores, and upto Rs. 50 Crores, the contractor shall arrange on site training as per National Skill Development Corporation (NSDC) norms for at least 20% of the unskilled workers engaged in the project in co-ordination with the CPWD Regional Training Institute & National Skill Development Corporation (NSDC) for certification at the level of skilled/semi skilled tradesmen.

For work costing more than Rs. 50 Crores, the contractor shall arrange on site training as per National Skill Development Corporation (NSDC) norms for at least 30% of the unskilled worker engaged in the project in coordination with the CPWD Regional Training Institute & National Skill Development Corporation (NSDC) for certification at the level of skilled/semi skilled tradesmen. The cost of such training as stated above shall be born by the Government. The necessary space and workers shall be provided by the contractor and no claim what so ever shall be entertained.

#### **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. The

verification of deployment labour will be done through biometric attendance system or any other suitable method by the Engineer in Charge. The applicable and eligible amount of EPF & ESI shall be reimbursed preferably within 7 days but not later than 30 days of submission of documentary proof of payment provided same are in order.

**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 there under 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 insolvency**

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 Engineer-in-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**

**Life Cycle cost**

The contractor shall be responsible for safety, quality and soundness of the buildings including structural elements beyond maintenance period. The contractor shall have obligation to rectify such defects minimum up to 5 (five) years from the date of completion of work. The defects have to be rectified within a reasonable time not exceeding forty five days after issue of notice by Engineer-in-Charge. If contractor does not take corrective action within 45 days, then action for debarring of the agency shall be taken by the appropriate authority.

**Clause 25**

Modified as attached at page no - 108-110



**Contractor to indemnify Govt. against Patent Rights**

**(i) Clause 26**

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 there from, 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**

**Lumpsum 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 state 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**

- (i) Whenever any claim or claims for payment of a sum of money arises out of or under the contract or against the contractor, the 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 Engineer-in-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.

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**

Any sum of money due and payable to the contractor (including the security deposit returnable to him) under the contract may be withheld or retained by way of lien by the Engineer-in-Charge or the Government or any other contracting person or persons through Engineer-in-Charge against any claim of the Engineer-in-Charge or Government or such other person or persons in respect of payment of a sum of money arising out of or under any other contract made by the contractor with the Engineer-in-Charge or the Government or with such other person or persons. It is an agreed term of the contract that the sum of money so withheld or retained under this clause by the 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**

**Water for Works**

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.
- (ii) 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**

**Hire of Plant & Machinery**

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

**Employment of  
Technical Staff and  
employees**

**Clause 32**

**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'. Even if the contractor (or partner(s) in case of firm/ company) is himself / herself an Engineer, it is necessary on the part of the contractor to employ principal technical representative / technical representative (s) as per stipulation 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) along with 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 33**

#### **Levy/Taxes payable by Contractor**

- (i) GST, Building and other Construction Workers Welfare Cess or any other tax, levy or Cess in respect of input for or output by this contract shall be payable by the contractor and Government shall not entertain any claim whatsoever in this respect except as provided under Clause 38
- (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 34**

#### **Conditions for reimbursement of levy/taxes if levied after receipt of Tenders**

- (i) All tendered rates shall be inclusive of any tax, levy or cess applicable on last stipulated date of receipt of tender including extension if any. No adjustment i.e. increase or decrease shall be made for any variation in the rate of GST, Building and Other Construction Workers Welfare Cess or any tax, levy or cess applicable on inputs.

However, effect of variation in rates of GST or Building and Other Construction Workers Welfare Cess or imposition or repeal of any other tax, levy or cess applicable on output of the works contract shall be adjusted on either side, increase or decrease.



Provided further that for Building and Other Construction Workers Welfare Cess or any tax (other than GST), levy or cess varied or imposed after the last date of receipt of tender including extension if any, any increase shall be reimbursed to the contractor only if the contractor necessarily and properly pays such increased amount of taxes/levies/cess.

Provided further that such increase including GST shall not be made in the extended period of contract for which the contractor alone is responsible for delay as determined by authority for extension of time under Clause 5 in Schedule F.

- (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, or variation or repeal of such 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 35**

**Termination of Contract on death of contractor**

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

#### **Clause 36**

**If relative working in CPWD then the contractor not allowed to tender**

The contractor shall not be permitted to tender for works in the CPWD circle (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 C.P.W.D. or in the Ministry of Housing and Urban Affairs. 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 CPWD for any breach of this condition.

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

#### **Clause 37**

**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.

**Theoretical  
consumption of  
Material**

**Clause 38**

(i) — After completion of the work and also at any intermediate stage in the event of Non reconciliation of materials issued theoretical quantity of materials used 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.

(b) — 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 lappings, chairs etc. plus 3% wastage due to cutting into pieces, such theoretical quantity being determined and compared with the actual, each diameter wise, section wise and category wise separately.

(c) — 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.

Over the theoretical quantities of materials so computed a variation shall be allowed as specified in Schedule 'F' For non scheduled items, the decision of the Superintending Engineer-CE regarding theoretical quantities of materials which should have been actually used, shall be final and binding on the contractor.

(ii) — 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 39**

**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.2,00,000/- and by the next higher officer 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. (Air Raid Precaution) 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 40**

**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 there under 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 41**

**Release of Security deposit after labour clearance**

Release of Security Deposit of the work shall not be refunded till the contractor produces a clearance certificate 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 any discrepancies between Hindi and English version, English version will prevail.**

## INTEGRITY PACT

To, .....

**Sub: Operation and Comprehensive Maintenance of Electrical Services of Substation-1,2 and 3 at AIIMS Rishikesh**

Dear Sir,

It is here by declared that AIIMS Rishikesh is committed to follow the principle of transparency, equity and competitiveness in public procurement.

The subject Notice Inviting Tender (NIT) is an invitation to offer made on the condition that the Bidder will sign the integrity Agreement, which is an integral part of tender / bid documents, failing which the tenderer / bidder will stand disqualified from the tendering process and the bid of the bidder would be summarily rejected.

This declaration shall form part and parcel of the Integrity Agreement and signing of the same shall be deemed as acceptance and signing of the Integrity Agreement on behalf of the AIIMS Rishikesh.

Yours faithfully,  
Superintending Engineer  
AIIMS Rishikesh

INTEGRITY PACT

To,

Superintending Engineer,  
.....  
.....

**Sub: Submission of Tender for the work of Operation and Comprehensive Maintenance of Electrical Services of Substation-1,2 and 3 at AIIMS Rishikesh.**

Dear Sir,

I/We acknowledge that CPWD is committed to follow the principles thereof as enumerated in the Integrity Agreement enclosed with the tender/bid document.

I/We agree that the Notice Inviting Tender (NIT) is an invitation to offer made on the condition that I/We will sign the enclosed integrity Agreement, which is an integral part of tender documents, failing which I/We will stand disqualified from the tendering process. I/We acknowledge that **THE MAKING OF THE BID SHALL BE REGARDED AS AN UNCONDITIONAL AND ABSOLUTE ACCEPTANCE** of this condition of the NIT.

I/We confirm acceptance and compliance with the Integrity Agreement in letter and spirit and further agree that execution of the said Integrity Agreement shall be separate and distinct from the main contract, which will come into existence when tender/bid is finally accepted by CPWD. I/We acknowledge and accept the duration of the Integrity Agreement, which shall be in the line with Article 1 of the enclosed Integrity Agreement.

I/We acknowledge that in the event of my/our failure to sign and accept the Integrity Agreement, while submitting the tender/bid, CPWD shall have unqualified, absolute and unfettered right to disqualify the tenderer/bidder and reject the tender/bid in accordance with terms and conditions of the tender/bid.

Yours faithfully

(Duly authorized signatory of the Bidder)



To be signed by the bidder and same signatory competent / authorized  
to sign the relevant contract on behalf of CPWD

**INTEGRITY AGREEMENT**

This Integrity Agreement is made at ..... on this ..... day of ..... 20.....

**BETWEEN**

President of India represented through Executive Engineer,

.....  
(Name of Division)

CPWD, ..... (Hereinafter referred as the  
(Address of Division)

'Principal/Owner', which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns)

**AND**

.....  
(Name and Address of the Individual/firm/Company)

through ..... (Hereinafter referred to as the  
(Details of duly authorized signatory)

"Bidder/Contractor" and which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns)

**Preamble**

WHEREAS the Principal / Owner has floated the Tender (NIT No ..... ) (hereinafter referred to as "Tender/Bid") and intends to award, under laid down organizational procedure, contract for .....

.....  
(Name of work)

hereinafter referred to as the "Contract".

AND WHEREAS the Principal/Owner values full compliance with all relevant laws of the land, rules, regulations, economic use of resources and of fairness/transparency in its relation with its Bidder(s) and Contractor(s).

AND WHEREAS to meet the purpose aforesaid both the parties have agreed to enter into this Integrity Agreement (hereinafter referred to as "Integrity Pact" or "Pact"), the terms and conditions of which shall also be read as integral part and parcel of the Tender/Bid documents and Contract between the parties.

NOW, THEREFORE, in consideration of mutual covenants contained in this Pact, the parties hereby agree as follows and this Pact witnesses as under:

Signature of the Bidder with company seal

#### **Article 1: Commitment of the Principal/Owner**

- (1) The Principal/Owner commits itself to take all measures necessary to prevent corruption and to observe the following principles:
  - (a) No employee of the Principal/Owner, personally or through any of his/her family members, will in connection with the Tender, or the execution of the Contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.
  - (b) The Principal/Owner will, during the Tender process, treat all Bidder(s) with equity and reason. The Principal/Owner will, in particular, before and during the Tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential / additional information through which the Bidder(s) could obtain an advantage in relation to the Tender process or the Contract execution.
  - (c) The Principal/Owner shall endeavour to exclude from the Tender process any person, whose conduct in the past has been of biased nature.
- (2) If the Principal/Owner obtains information on the conduct of any of its employees which is a criminal offence under the Indian Penal code (IPC)/Prevention of Corruption Act, 1988 (PC Act) or is in violation of the principles herein mentioned or if there be a substantive suspicion in this regard, the Principal/Owner will inform the Chief Vigilance Officer and in addition can also initiate disciplinary actions as per its internal laid down policies and procedures.

#### **Article 2: Commitment of the Bidder(s)/Contractor(s)**

1. It is required that each Bidder/Contractor (including their respective officers, employees and agents) adhere to the highest ethical standards, and report to the Government / Department all suspected acts of fraud or corruption or Coercion or Collusion of which it has knowledge or becomes aware, during the tendering process and throughout the negotiation or award of a contract.
2. The Bidder(s)/Contractor(s) commits himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the Tender process and during the Contract execution:
  - (a) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of the Principal/Owner's employees involved in the Tender process or execution of the Contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the Tender process or during the execution of the Contract.
  - (b) The Bidder(s)/Contractor(s) will not enter with other Bidder(s) into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to cartelize in the bidding process.
  - (c) The Bidder(s)/Contractor(s) will not commit any offence under the relevant IPC/PC Act. Further the Bidder(s)/Contractor(s) will not use improperly, (for the purpose of competition or personal gain), or pass on to others, any information or documents provided by the Principal/Owner as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
  - (d) The Bidder(s)/Contractor(s) of foreign origin shall disclose the names and addresses of agents/representatives in India, if any. Similarly Bidder(s)/Contractor(s) of Indian Nationality shall disclose

names and addresses of foreign agents/representatives, if any. Either the Indian agent on behalf of the foreign principal or the foreign principal directly could bid in a tender but not both. Further, in cases where an agent participate in a tender on behalf of one manufacturer, he shall not be allowed to quote on behalf of another manufacturer along with the first manufacturer in a subsequent/parallel tender for the same item.

(e) The Bidder(s)/Contractor(s) will, when presenting his bid, disclose any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the Contract.

3. The Bidder(s)/Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.
4. The Bidder(s)/Contractor(s) will not, directly or through any other person or firm indulge in fraudulent practice means a willful misrepresentation or omission of facts or submission of fake/forged documents in order to induce public official to act in reliance thereof, with the purpose of obtaining unjust advantage by or causing damage to justified interest of others and/or to influence the procurement process to the detriment of the Government interests.
5. The Bidder(s)/Contractor(s) will not, directly or through any other person or firm use Coercive Practices (means the act of obtaining something, compelling an action or influencing a decision through intimidation, threat or the use of force directly or indirectly, where potential or actual injury may befall upon a person, his/her reputation or property to influence their participation in the tendering process).

### **Article 3: Consequences of Breach**

Without prejudice to any rights that may be available to the Principal/Owner under law or the Contract or its established policies and laid down procedures, the Principal/Owner shall have the following rights in case of breach of this Integrity Pact by the Bidder(s)/Contractor(s) and the Bidder/ Contractor accepts and undertakes to respect and uphold the Principal/Owner's absolute right:

1. If the Bidder(s)/Contractor(s), either before award or during execution of Contract has committed a transgression through a violation of Article 2 above or in any other form, such as to put his reliability or credibility in question, the Principal/Owner after giving 14 days notice to the contractor shall have powers to disqualify the Bidder(s)/Contractor(s) from the Tender process or terminate/determine the Contract, if already executed or exclude the Bidder/Contractor from future contract award processes. The imposition and duration of the exclusion will be determined by the severity of transgression and determined by the Principal/Owner. Such exclusion may be forever or for a limited period as decided by the Principal/Owner.
2. Forfeiture of EMD/Performance Guarantee/Security Deposit: If the Principal/Owner has disqualified the Bidder(s) from the Tender process prior to the award of the Contract or terminated/determined the Contract or has accrued the right to terminate/determine the Contract according to Article 3(1), the Principal/Owner apart from exercising any legal rights that may have accrued to the Principal/Owner, may in its considered opinion forfeit the entire amount of Earnest Money Deposit, Performance Guarantee and Security Deposit of the Bidder/Contractor.
3. Criminal Liability: If the Principal/Owner obtains knowledge of conduct of a Bidder or Contractor, or of an employee or a representative or an associate of a Bidder or Contractor which constitutes corruption within the meaning of IPC Act, or if the Principal/Owner has substantive suspicion in this regard, the Principal/Owner will inform the same to law enforcing agencies for further investigation.

#### **Article 4: Previous Transgression**

1. The Bidder declares that no previous transgressions occurred in the last 5 years with any other Company in any country confirming to the anticorruption approach or with Central Government or State Government or any other Central/State Public Sector Enterprises in India that could justify his exclusion from the Tender process.
2. If the Bidder makes incorrect statement on this subject, he can be disqualified from the Tender process or action can be taken for banning of business dealings/ holiday listing of the Bidder/Contractor as deemed fit by the Principal/ Owner.
3. If the Bidder/Contractor can prove that he has resorted / recouped the damage caused by him and has installed a suitable corruption prevention system, the Principal/Owner may, at its own discretion, revoke the exclusion prematurely.

#### **Article 5: Equal Treatment of all Bidders/Contractors/Subcontractors**

1. The Bidder(s)/Contractor(s) undertake(s) to demand from all subcontractors a commitment in conformity with this Integrity Pact. The Bidder/Contractor shall be responsible for any violation(s) of the principles laid down in this agreement/Pact by any of its Subcontractors/sub-vendors.
2. The Principal/Owner will enter into Pacts on identical terms as this one with all Bidders and Contractors.
3. The Principal/Owner will disqualify Bidders, who do not submit, the duly signed Pact between the Principal/ Owner and the bidder, along with the Tender or violate its provisions at any stage of the Tender process, from the Tender process.

#### **Article 6- Duration of the Pact**

This Pact begins when both the parties have legally signed it. It expires for the Contractor/Vendor 12 months after the completion of work under the contract or till the continuation of defect liability period, whichever is more and for all other bidders, till the Contract has been awarded.

If any claim is made/lodged during the time, the same shall be binding and continue to be valid despite the lapse of this Pacts as specified above, unless it is discharged/determined by the Competent Authority, CPWD.

#### **Article 7- Other Provisions**

1. This Pact is subject to Indian Law, place of performance and jurisdiction is the Head quarters of the Division of the Principal/Owner, who has floated the Tender.
2. Changes and supplements need to be made in writing. Side agreements have not been made.
3. If the Contractor is a partnership or a consortium, this Pact must be signed by all the partners or by one or more partner holding power of attorney signed by all partners and consortium members. In case of a Company, the Pact must be signed by a representative duly authorized by board resolution.
4. Should one or several provisions of this Pact turn out to be invalid; the remainder of this Pact remains valid. In this case, the parties will strive to come to an agreement to their original intensions.
5. It is agreed term and condition that any dispute or difference arising between the parties with regard to the terms of this Integrity Agreement / Pact, any action taken by the Owner/Principal in accordance with this Integrity Agreement/ Pact or interpretation thereof shall not be subject to arbitration.

#### **Article 8- Legal and Prior Rights**

All rights and remedies of the parties hereto shall be in addition to all the other legal rights and remedies belonging to such parties under the Contract and/or law and the same shall be deemed to be cumulative and not alternative to such legal rights and remedies aforesaid. For the sake of brevity, both the Parties agree that this

Integrity Pact will have precedence over the Tender/Contract documents with regard any of the provisions covered under this Integrity Pact.

IN WITNESS WHEREOF the parties have signed and executed this Integrity Pact at the place and date first above mentioned in the presence of following witnesses:

.....  
(For and on behalf of Principal/Owner)

.....  
(For and on behalf of Bidder/Contractor)

**WITNESSES:**

1 .....  
(signature, name and address)

2 .....  
(signature, name and address)

Place:

Dated:

Signature of the Bidder with company seal



## 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 there of with only such opening as may be necessary for the delivery of materials. Such scaffolding or staging shall be so fastened as to prevent it from swaying from the building or structure.
3. Working platforms, gangways and stairways should be so constructed that they should not sag unduly or unequally, and if the height of the platform or the gangway or the stairway is more than 3.6 m (12ft.) above ground level or floor level, they should be closely boarded, should have adequate width and should be suitably fastened as described in (2) above.
4. Every opening in the floor of a building or in a working platform shall be provided with suitable means to prevent the fall of person or materials by providing suitable fencing or railing whose minimum height shall be 90 cm. (3ft.)
5. Safe means of access shall be provided to all working platforms and other working places. Every ladder shall be securely fixed. No portable single ladder shall be over 9m. (30ft.) in length while the width between side rails in rung ladder shall in no case be less than 29 cm. (11 $\frac{1}{2}$ "") 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 defence 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.
  - (g) No smoking or open flames shall be allowed near the blocked manhole being cleaned.
  - (h) The malba obtained on account of cleaning of blocked manholes and sewer lines should be immediately removed to avoid accidents on account of slippery nature of the malba.
  - (i) Workers should not be allowed to work inside the manhole continuously. He should be given rest intermittently. The Engineer-in-Charge shall decide the time up to which a worker may be allowed to work continuously inside the manhole.
  - (j) Gas masks with Oxygen Cylinder should be kept at site for use in emergency.
  - (k) Air-blowers should be used for flow of fresh air through the manholes. Whenever called for, portable air blowers are recommended for ventilating the manholes. The Motors for these shall be vapour proof and of totally enclosed type. Non sparking gas engines also could be used but they should be placed at least 2 metres away from the opening and on the leeward side protected from wind so that they will not be a source of friction on any inflammable gas that might be present.
  - (l) The workers engaged for cleaning the manholes/sewers should be properly trained before allowing to work in the manhole.
  - (m) The workers shall be provided with Gumboots or non sparking shoes bump helmets and gloves non sparking tools safety lights and gas masks and portable air blowers (when necessary). They must be supplied with barrier cream for anointing the limbs before working inside the sewer lines.
  - (n) Workmen descending a manhole shall try each ladder stop or rung carefully before putting his full weight on it to guard against insecure fastening due to corrosion of the rung fixed to manhole well.
  - (o) If a man has received a physical injury, he should be brought out of the sewer immediately and adequate medical aid should be provided to him.
  - (p) The extent to which these precautions are to be taken depend on individual situation but the decision of the 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 ready made 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.
- (vii) Workmen executing work on scaffolds or other structures above specified height shall be provided with full body harness and fall arresters.
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<sup>13</sup> 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.
16. Notwithstanding the above clauses from (1) to (15), there is nothing in these to exempt the contractor from the operations of any other Act or Rule in force in the Republic of India.



## **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 sterilised dressings.
2. 3 medium size sterilised dressings.
3. 3 large size sterilised dressings.
4. 3 large sterilised 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 sterilised dressings.

2. 6 medium size sterilised dressings.
3. 6 large size sterilised dressings.
4. 6 large size sterilised burn dressings.
5. 6 (15 gms.) packets sterilised 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 recoument 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.
- (c) 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 by contractor through Bank or ECS or online transfer to his bank account.
- (vii) All wages shall be paid through Bank or ECS or online transfer.
- (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 through bank account of labour.
- (xi) The contractor shall obtain from the Junior Engineer or any other authorised 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:-
- (xii) "Certified that the amount shown in column No ..... has been paid to the workman concerned through bank account of labour on ..... at....."

#### 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 instalment, 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.

#### **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 labourers 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)

#### **6. 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.

#### **7. 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).

#### **8. 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)

#### **9. 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 authorised by the Ministry of Urban Development in this behalf.

#### **10. POWER OF LABOUR OFFICER TO MAKE INVESTIGATIONS OR ENQUIRY**

The Labour Officer or any person authorised 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.

#### **11. REPORT OF LABOUR OFFICER**

The Labour Officer or other persons authorised 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 labourers concerned. In case an appeal is made by the contractor under Clause 13 of these regulations, actual payment to labourers 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 from the Labour Officer or the Superintending Engineer as the case may be.

## **12. APPEAL AGAINST THE DECISION OF LABOUR OFFICER**

Any person aggrieved by the decision and recommendations of the Labour Officer or other person so authorised 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.

## **13. 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.

## **14. 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, authorised by the Central Government on his behalf.

## **15. SUBMISSIONS OF RETURNS**

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

## **16. 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.



**प्रसूति प्रसूतिदाओं का रजिस्टर (ठेके की शर्तों का खण्ड 19-ब)**  
**REGISTER OF MATERNITY BENEFITS (Clause 19 F)**

उपरोक्त का नाम और पता  
 Name and address of the contractor.....

कार्य का नाम और स्थिति  
 Name and location of the work.....

कर्मचारी का नाम Name of the employee	पिता / पति का नाम Father's/ husband's name	नियोजन का स्वरूप Nature of employment	वास्तविक नियुक्ति की अवधि Period of actual employment	मासिक जिसको प्रसवावस्था की सूचना दी गई Date on which notice of confinement given
1	2	3	4	5

**तारीख जिसको प्रसूति शुरू प्रारम्भ हुई और समाप्त हुई**  
**Date on which maternity leave commenced and ended**

प्रसव / गर्भपात की तारीख Date of delivery/ miscarriage	प्रसव की दशा में In case of delivery		गर्भपात की दशा में In case of miscarriage	
	प्रारम्भ हुई commenced	समाप्त हुई Ended	प्रारम्भ हुई Commenced	समाप्त हुई Ended
6	7	8	9	10

**कर्मचारी को प्रेषित हुई भतन**  
**Leave pay paid to the employee**

प्रसव की दशा में In case of delivery		गर्भपात की दशा में In case of miscarriage		टिप्पणियाँ Remarks
हुई वेतन की दर Rate of leave pay	भतन रकम Amount paid	हुई वेतन की दर Rate of leave pay	भतन रकम Amount paid	
11	12	13	14	15



**श्रम बोर्ड**  
**Labour Board**

कार्य का नाम.....

Name of work

ठेकेदार का नाम.....

Name of Contractor

ठेकेदार का पता.....

Address of Contractor

को० लो० नि० विभाग के मंडल का नाम व पता.....

Name and address of C.P.W.D. Division

के. लो. नि. विभाग के श्रम अधिकारी का नाम.....

Name of C.P.W.D. Labour Officer

के. लो. नि. विभाग के श्रम अधिकारी का पता.....

Address of C.P.W.D. Labour Officer

श्रम कार्यान्वयन अधिकारी का नाम.....

Name of Labour Enforcement Officer

श्रम कार्यान्वयन अधिकारी का पता.....

Address of Labour Enforcement Officer

क्रम संख्या Sl. No.	श्रेणी Category	न्यूनतम निर्धारित मजदूरी Minimum wage fixed	भुगतान की गई साप्ताहिक मजदूरी Actual wage paid	वर्तमान संख्या Number present	टिप्पणी Remarks

साप्ताहिक छुट्टी.....

Weekly holiday

मजदूरी की अवधि.....

Wage period

मजदूरी के भुगतान की तारीख.....

Date of payment of wages

काम के घंटे.....

Working hours

आराम का मध्यान्तर.....

Rest interval





फॉर्म 13 Form XIII (पूर्वक नियम 75 देखें) (Sec Rule 75)

अकेदार द्वारा लगाये गए मजदूरों का रजिस्टर Register of Workmen Employed by Contractor

हकदार का नाम व पता  
 Name and address of contractor

कार्यलय का नाम व पता जिसके अधीन देका अंश रहा है  
 Name and address of establishment under which contract is can led on

कार्य का स्थान व स्थान  
 Nature and location of work

मुख्य निष्ठाकारी का नाम व पता  
 Name and address of Principal Employer

क्र. संख्या	मजदूर का नाम व पता Name and address of workman	उम्र और लिंग Age and Sex	पिता/पति का नाम Father/Husband's name	कार्य का प्रकृति / Nature of employment/ description	मजदूर का पता (ग्राम व गावडीन संदर्भ और डिस्ट्रिक्ट) Residence home address of the workman (Village and Taluk, Taluk and District)	स्थानीय पता Local address	नियुक्ति का तारीख Date of commencement of employment	मजदूर के हस्ताक्षर/अंगूठा का निशान Signature or thumb impression of the workman	नियुक्ति से समाप्त होने की तारीख Date of termination of employment	समाप्त होने के कारण Reasons for termination	टिप्पणी Remarks
1	2	3	4	5	6	7	8	9	10	11	12

के.ओ.नि.वि.

इंजीनियरी उत्कृष्टता के 165 वर्ष

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PROFORMA OF REGISTERS



परिशिष्ट / Appendix V

फॉर्म 16 Form-XVI (बुध्दा नियम 70 (2)(क) देखें) (See Rule 70(2)(a))  
 मस्तर पत्रक Muster Form

टेन्डर का नाम व पता  
 Name and address of contractor

कार्यालय का नाम और पता जिसमें अर्पण ठेका कर रहा है  
 Name and address of establishment under which contract is carried on

कार्य का स्थल व स्था  
 Nature and location of work

मुख्य नियोजता का नाम व पता  
 Name and address of Principal Employer

पहले पत्र के लिए  
 For the Month of fortnight

क्र. संख्या Sl. No	मस्तर का नाम Name of Workmen	वय Sex	पति/पति का नाम Father/Husband's name	दिनांक Date	टिप्पणी Remarks
1	2	3	4	5	6
				1	
				2	
				3	
				4	
				5	



फॉर्म 17 Form-XVII (कृपया नियम 79 (2)(क) देखें) (See Rule 79(2)(a))  
**मजदूरी रजिस्टर Register of wages**

परिशिष्ट / Appendix VI

ठेकेदार का नाम व पता  
 Name and address of contractor  
 कार्यालय का नाम व पता जिसके अधीन काम चल रहा है  
 Name and address of establishment under which contract is carried on  
 कार्य का स्वभाव व स्थान  
 Nature and location of work  
 मुख्य नियोजक का नाम व पता  
 Name and address of Principal Employer  
 मजदूरी की अवधि मासिक या वार्षिक  
 Wages Period: Monthly/Fortnight

क्र. सं. No.	मजदूर का नाम Name of workman	मजदूर के रजिस्टर में क्र. सं. Serial No. in the register of workman	दिनें पर कार्य का स्वभाव / Description of nature of work done	कामों के दिनों की संख्या No. of days worked	दिनें पर कार्य के इकाई के रूप में Units of work done	मजदूरी की दर /दैनिक दर Daily rate of wages/ piece rate	की गई मजदूरी की रकम Amount of wages earned				मजदूर के हस्ताक्षर/ मजदूर का मुद्रा Seal of workman	मजदूर के हस्ताक्षर/ मुद्रा Seal of contractor	उत्केतक का नाम/ ठेकेदार का नाम Name of contractor		
							मूल मजदूरी Basic wages	मजदूरी का अतिरिक्त भाग Overtime	अन्य प्रकार के भुगतान के रूप में Cash payments received	योग Total					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

के. ए. नि. वि.

इंजीनियरी उत्कृष्टता के 185 वर्ष

Signature of the Bidder with company seal



परिशिष्ट 'Appendix VII'  
(पृथकी तरफ / Obverse)

मजदूरी कार्ड संख्या / Wage Card No. .... **मजदूरी कार्ड Wage Card**

उकेदार का नाम व पता  
Name and address of contractor

जारी करने की तारीख  
Date of issue

कार्य का नाम व स्थान  
Name and location of work

पद  
Designation

मजदूर का नाम  
Name of workman

मास / पक्ष  
Month / Part

मजदूरी की दर  
Rate of Wages

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
प्रति Morning																															
दर Rate																															
रात Evening																															
रकम Amount																															
हस्ताक्षर Initial																															

Received from \_\_\_\_\_ से अर्ध मजदूरी के \_\_\_\_\_ रुपये प्राप्त किए \_\_\_\_\_  
the sum of Rs. \_\_\_\_\_ on account of my wages

हस्ताक्षर  
Signature

यह मजदूरी कार्ड जारी होने की तारीख से एक मास तक के लिए वैध है।  
The Wage Card is valid for one month from the date of issue



**फार्म 19/Form-XIX**

(कृपया नियम 78(2)(ख) देखें)  
[See rule 78 (2)(b)]

**मजदूरी कार्ड  
Wages Slip**

उपरोक्तकार का नाम व पता  
Name and address of contractor.....

मजदूर का नाम तथा उसके पिता / पति का नाम  
Name and Father's/Husband's name of workman.....

कार्य का स्वरूप तथा स्थान का नाम  
Nature and location of work.....

सप्ताह / पक्ष / मास के लिए  
For the Week/Fortnight/Month ending.....

1. कितने दिन कार्य किया  
No. of days worked.....
2. किए गए कार्य के एककों की संख्या (पीस रेट मजदूरों के मामले में)  
No. of units worked in case of piece rate workers.....
3. दैनिक मजदूरी की दर / पीस रेट  
Rate of daily wages/piece rate .....
4. समयोपरि मजदूरी की रकम  
Amount of overtime wages.....
5. दी जाने वाली कुल रकम  
Gross wages payable.....
6. कटौतियां, यदि कोई हों  
Deduction, if any.....
7. दी गई मजदूरी की शुद्ध रकम  
Net amount of wages paid.....

उपरोक्तकार अथवा उसके प्रतिनिधि के हस्ताक्षर  
Initials of the contractor or his representative



फार्म 14 / Form-XIV  
(कृपया नियम 78 देखें)  
[See rule 78]

रोजगार कार्ड  
Employment Card

- हड़केदार का नाम व पता  
Name and address of contractor.....
- कार्यालय का नाम व पता जिसके अधीन काम चल रहा है  
Name and address of establishment under which contract is carried on.....
- कार्य का नाम व स्थान  
Name of work and location of work.....
- मुख्य नियोक्ता का नाम व पता  
Name and address of Principal Employer.....
1. मजदूर का नाम  
Name of the workman.....
  2. लगाये गए मजदूरों के रजिस्टर में क्रम संख्या  
Sl. No. in the register of workman employed.....
  3. रोजगार / पद का नाम  
Nature of employment/designation.....
  4. मजदूरी की दर  
(पीस वर्क के बारे में एकाक के द्वारा सहित)  
Wage rate (with particulars of unit in case of piece work).....
  5. मजदूरी की अवधि  
Wage period.....
  6. रोजगार की अवधि  
Tenure of employment.....
  7. टिप्पणी  
Remarks.....

हड़केदार के हस्ताक्षर  
Signature of contractor





फॉर्म 15 Form-XV (कृपया नियम 77 देखें) (See Rule 77)  
सेवा प्रमाणपत्र Service Certificate

ठेकेदार का नाम व पता  
 Name and address of contractor  
 कार्य का स्वरूप तथा स्थान  
 Nature and location of work  
 मजदूर का नाम व पता  
 Name and address of workman  
 आयु अथवा जन्म तिथि  
 Age or date of birth  
 पहचान चिह्न  
 Identification marks  
 पिता / पति का नाम  
 Father's/Husband's name  
 कार्यालय का नाम व पता जिसके अधीन उक्त कार्य चल रहा है  
 Name and address of establishment in under which contract is carried on  
 मुख्य निवास का नाम और पता  
 Name and address of Principal Employer

क्र. संख्या Sl. No	रोजगार की कुल अवधि Total Period for which employed से From	तक To	4 कार्य का स्वरूप Measure of Work Done	5 मजदूरी दर (दिनांक के मापदंड में एकक के व्यक्तियों सहित) Rate of wages (with particulars of unit in case of piece work)	6 टिप्पणी Remarks
1	2	3	4	5	6

हस्ताक्षर / Signature



**LIST OF ACTS AND OMISSIONS FOR WHICH FINES CAN BE IMPOSED**

ऐसे कार्यों तथा भूलों की सूची जिसके लिए जुर्माने किये जा सकते हैं

कन्दोय लोक निर्माण विभाग हेतुकेदार श्रमिक विनियमों के नियम 7 (v) के अनुसार कार्य स्थल पर अथवा तथा स्वामीय भाषा दोनों में अथवा तथा स्वामीय भाषा दोनों में अथवा प्रमुख से परस्पर किया जाता।

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.

- |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ol style="list-style-type: none"> <li>1. जान बूझ कर अकॉरे या अन्य क साथ मिल कर अवज्ञा का व्यवहार।</li> <li>2. कन्दोय लोक निर्माण विभाग के कार्य या सम्पत्ति के अतिरिक्त ठेके के संबंध में जोसे घोषणाकारी वेदमासा करता।</li> <li>3. धूस या अन्य गैरवानुसी परिष्कार लेना या देना।</li> <li>4. नियत देर से काम पर आना।</li> <li>5. शराब पीकर लड़ना, झगड़ना या बेवश्या या अशुभमसक व्यवहार।</li> <li>6. नियत जगहवाली।</li> <li>7. उत्त क्षेत्रों के आस-पास खौड़ी, सिगरेट पीना जहां ज्वलन प्रकटने वाली या अन्य सामग्री रखी है।</li> <li>8. नियत अनुशासनीयता।</li> <li>9. चायु कार्ड में अथवा के लो नि वि या हेतुकेदार की सम्पत्ति को बर्बाद पहुंचाना।</li> <li>10. झुठरी पर सोना।</li> <li>11. कामगोरी या कार्य को धीरे करना।</li> <li>12. नाम, आयु, पिता के नाम आदि के बारे में गलत सूचना देना।</li> <li>13. नियोजता द्वारा दिये गये मजदूरी कार्ड को नियत खो देना।</li> <li>14. मालिक की उत्पादन की सम्पत्ति का अनाधिकृत उपयोग या कार्यस्थल पर अनाधिकृत वस्तुएं बनाना।</li> <li>15. कुशल कामगारी द्वारा निर्माण तथा अनुक्षण में अकुशल कार्यगरी दिखाना जिसे विभाग स्वीकार नहीं करता जिसके सजाय के लिये हेतुकेदार को बाध्य किया जाता है।</li> <li>16. गलत शिकायतें लगाना और/या झामक विकरण देना।</li> <li>17. स्थापना के परिसर के भीतर कोई व्यापार चलाना।</li> <li>18. कर्मचारियों का अनाधिकृत व्यापार कार्य करना।</li> <li>19. स्थापना के परिसर के भीतर किसी प्रकार का धन एकत्र करना या इसके लिए प्रचार करना जब तक कि मालिक द्वारा अतिकार न दिया गया हो।</li> </ol> | <ol style="list-style-type: none"> <li>1. Willful insubordination or disobedience, whether alone or in combination with other.</li> <li>2. Theft fraud or dishonesty in connection with the contractors beside a business or property of CPWD.</li> <li>3. Taking or giving bribes or any illegal gratifications</li> <li>4. Habitual late attendance.</li> <li>5. Drunkenness fighting, riotous or disorderly or indifferent behaviour</li> <li>6. Habitual negligence.</li> <li>7. Smoking near or around the area where combustible or other materials are locked</li> <li>8. Habitual indiscipline.</li> <li>9. Causing damage to work in the progress or to property of the CPWD or of the contractor.</li> <li>10. Sleeping on duty.</li> <li>11. Malingering or slowing down work.</li> <li>12. Giving of false information regarding name, age father's name, etc.</li> <li>13. Habitual loss of wage cards supplied by the employers.</li> <li>14. Unauthorised use of employer's property of manufacturing or making of unauthorised particles at the work place.</li> <li>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.</li> <li>16. Making false complaints and/or misleading statements.</li> <li>17. Engaging on trade within the premises of the establishments.</li> <li>18. Any unauthorised divulgence of business affairs of the employees.</li> <li>19. Collection or canvassing for the collection of any money within the premises of an establishment unless authorised by the employer.</li> </ol> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



Signature of the Bidder with company seal



- |                                                                                  |                                                                                                       |
|----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| 20. साक्षियों की पूर्व अनुमति के बिना परिसर के भीतर बैठकें बुलाना।               | 20. Holding meeting inside the premises without previous sanction of the employers.                   |
| 21. परिसर के भीतर कार्य समय के दौरान किसी कामगार या कर्मचारी को डराना या घमसाना। | 21. Threatening or intimidating any workman or employer during the working hours within the premises. |



फार्म 12 Form-XII (खुलपन नियम 78(एच); संशुद्ध) (See Rule 78(2) (d))

**जुर्मानों का रजिस्टर Register of Fines**

उद्येधकार का नाम व पता  
**Name and address of contractor**  
 कार्यालय का नाम व पता जिसके अधीन ठेका चल रहा है  
**Name and address of establishment in under which contract is carried on**  
 कार्य का स्वरूप व स्थान  
**Nature and location of work**  
 मुख्य निदेशिका का नाम व पता  
**Name and address of Principal Employer**

क्र. संख्या Sl No.	नरकर का नाम Name of workman	पिता/पति का नाम Father's/Husband's name	नरकर का पदनाम/वर्ग Designation/nature of employment	किसके लिए जुर्माना लगाया गया Administration for which fine imposed	दोष का तिथि Date of offence	किस कारण से जुर्माना लगाया गया Whether workman showed cause against fine	जिसके अधीन ठेका चल रहा है Name of person in whose presence employee's explanation was heard	भारतीय कर्मियों के वेतन और वेतन भुगतान योग्यता Wages paid and wages payable	जुर्माना की राशि Amount of fine imposed	जुर्माना किस तिथि पर लगाया गया Date on which fine realized	टिप्पणियाँ Remarks
1	2	3	4	5	6	7	8	9	10	11	12



Form 20 Form-XX (पूरा पृष्ठ पर) (See Rule 78(2) (d))

संविस्टरी के लिए कर्तरी का रजिस्टर Register of Deduction for Damage or Loss

संविस्टरी का नाम व पता  
**Name and address of contractor**  
 संविस्टरी का नाम व पता जिसके अधीन किया जाए रहा है  
**Name and address of establishment in under which contract is carried on**  
 कार्य का स्वभाव व स्थान  
**Nature and location of work**  
 मुख्य विद्योक्ता का नाम व पता  
**Name and address of Principal Employer**

संविस्टरी Appendix 'XII'

क्र. संख्या S.N.	संविस्टरी का नाम Name of Workmen	पिता/पत्नी का नाम Father's/Spouse's name	संविस्टरी का पदनाम Designation's nature of employment	संविस्टरी का नाम Name of contractor	संविस्टरी का नाम Name of person in whose presence workman showed damage or loss	संविस्टरी का नाम Name of person in whose presence workman showed damage or loss	संविस्टरी का नाम Name of person in whose presence workman showed damage or loss	संविस्टरी का नाम Name of person in whose presence workman showed damage or loss	संविस्टरी का नाम Name of person in whose presence workman showed damage or loss	संविस्टरी का नाम Name of person in whose presence workman showed damage or loss	संविस्टरी का नाम Name of person in whose presence workman showed damage or loss	संविस्टरी का नाम Name of person in whose presence workman showed damage or loss	संविस्टरी का नाम Name of person in whose presence workman showed damage or loss	
													संविस्टरी का नाम Name of person in whose presence workman showed damage or loss	संविस्टरी का नाम Name of person in whose presence workman showed damage or loss
1	2	3	4	5	6	7	8	9	10	11	12	13		



फॉर्म 22 Form-XXII (कृपया नियम 78(2)(a) देखें) (See Rule 78(2) (a))

अग्रिम का रजिस्टर Register of Advances

पंजीकार का नाम व पता  
**Name and address of contractor**  
 कार्यालय का नाम व पता जिसके अधीन देना प्राप्त रहा है  
**Name and address of establishment in under which contract is carried on**  
 कार्य का स्थान व स्वरूप  
**Nature and location of work**  
 प्रमुख निदेशक का नाम व पता  
**Name and address of Principal Employer**

क्र. संख्या Sl. No.	कर्मचारी का नाम Name of workman	पिता/पत्नी का नाम Father's/Husband's name	पंजीकार का वर्गीकरण Designatory nature of employment	भुगतान की दर Wage Paid and wages payable	अग्रिम का तिथि Date and amount of advance given	अग्रिम का उद्देश्य Purpose(s) for which advance made	अग्रिम की संख्या Number of instalments by which advance to be repaid	अग्रिम की तिथि Date and amount of each instalment repaid	अग्रिम की तिथि Date and which instalment was repaid	टिप्पणी Remarks
1	2	3	4	5	6	7	8	9	10	11



फॉर्म 23 Form-XXIII (अनुसूची नियम 78(2)(ख) देखें) (See Rule 78(2) (e))

समयोपरी रजिस्टर Register of Overtime

ठेकेदार का नाम व पता  
**Name and address of contractor**  
 कार्यालय का नाम व पता जिसके अधीन ठेका चल रहा है  
**Name and address of establishment in under which contract is carried on**  
 कार्य का स्थान व स्थान  
**Nature and location of work**  
 मुख्य शिष्टाकार का नाम व पता  
**Name and address of Principal Employer**

क्र. संख्या Sl. No.	1	2	3	4	5	6	7	8	9	10	11	12
	शिफ्ट का नाम Name of Workmen	पिता/पति का नाम Father's/Husband's name	लिंग Sex	वैधता का प्रकार/ Designatory nature of employment	जिस परियोजना के अधीन कार्य करा जा रहा है Date on which Overtime worked	कुल समयोपरी कामों का अंश प्रति दिवस Total overtime worked in case of piece rated	समयोपरी दर Normal rate of wages	समयोपरी दर Overtime rate of wages	समयोपरी कामों का अंश Overtime Rate on which over time paid	विवरण Remarks		
1												



**Appendix - XV**  
**(FORM 31)**  
**INDENTURE FOR SECURED ADVANCES**  
**(Referred to in paragraphs 10.2.20 and 10.2.22 of CPW A Code)**

(For use in cases in which the contract is for finished work and the contractor has entered into an agreement for the execution of a certain specified quantity of work in a given time)

THIS INDENTURE made the..... day of .....20..... BETWEEN .....  
(hereinafter called the Contractor which expression shall where the context so admits or implies be deemed to include his executors administrators and assigns) of the one part and the PRESIDENT OF INDIA (hereinafter called the President which expression shall where the context so admits or implies be deemed to include his successors in office and assigns) of the other part.

WHEREAS by an agreement dated..... (hereinafter called the said agreement) the Contractor has agreed AND WHEREAS the Contractor has applied to the President that he may be allowed advances on the security of materials absolutely belonging to him and brought by him to the site of the works the subject of the said agreement for use in the construction of such of the works as he has undertaken to execute at rates fixed for the finished work (inclusive of the cost of materials and labour and other charges) AND WHEREAS the President has agreed to advance to the Contractor the sum of Rupees ..... on the security of materials the quantities and other particulars of which are detailed in Accounts of Secured Advances attached to the Running Account Bill for the said works signed by the Contractor on ..... and the President has reserved to himself the option of making any further advance or advances on the security of other materials brought by the Contractor to the site of the said works. Now THIS INDENTURE WITNESSETH that in pursuance of the said agreement and in consideration of the sum of Rupees ..... on or before the execution of these presents paid to the Contractor by the President (the receipt whereof the Contractor doth hereby acknowledge) and of such further advances (if any) as may be made to him as aforesaid the Contractor doth hereby covenant and agree with the President and declare as follows: -

- (1) That the said sum of Rupees ..... so advanced by the President to the Contractor as aforesaid and all or any further sum or sums advanced as aforesaid shall be employed by the Contractor in or towards expediting the execution of the said works and for no other purpose whatsoever.
- (2) That the materials detailed in the said Account of Secured Advances which have been offered to and accepted by the President as security are absolutely the Contractor's own property and free from encumbrances of any kind and the contractor will not make any application for or receive a further advance on the security of materials which are not absolutely his own property and free from encumbrances of any kind and the Contractor indemnifies the President against all claims to any materials in respect of which an advance has been made to him as aforesaid.
- (3) That the materials detailed in the said Account of Secured Advances and all other materials on the security of which any further advance or advances may hereafter be made as aforesaid (hereinafter called the said materials) shall be used by the Contractor solely in the execution of the said works in accordance with the directions of the Divisional Officer ..... Division (hereinafter called the Divisional Officer) and in the term of the said agreement.
- (4) That the Contractor shall make at his own cost all necessary and adequate arrangements for the proper watch, safe custody and protection against all risks of the said materials and that until used in construction as aforesaid the said materials shall remain at the site of the said works in the Contractor's custody and on his own responsibility and shall at all times be open to inspection by the Divisional Officer or any officer authorised by

him. In the event of the said materials or any part thereof being stolen, destroyed or damaged or becoming deteriorated in a greater degree than is due to reasonable use and wear thereof the Contractor will forthwith replace the same with other materials of like quality or repair and make good the same as required by the Divisional Officer.

- (5) That the said materials shall not on any account be removed from the site of the said works except with the written permission of the Divisional Officer or an officer authorised by him on that behalf.
- (6) That the advances shall be repayable in full when or before the Contractor receives payment from the President of the price payable to him for the said works under the terms and provisions of the said agreement. Provided that if any intermediate payments are made to the Contractor on account of work done than on the occasion of each such payment the President will be at liberty to make a recovery from the Contractor's bill for such payment by deducting there from the value of the said materials then actually used in the construction and in respect of which recovery has not been made previously, the value for this purpose being determined in respect of each description of materials at the rates at which the amounts of the advances made under these presents were calculated.
- (7) That if the Contractor shall at any time make any default in the performance or observance in any respect of any of the terms and provisions of the said agreement or of these presents the total amount of the advance or advances that may still be owing to the President shall immediately on the happening of such default be repayable by the Contractor to the President together with interest thereon at twelve per cent per annum from the date or respective dates of such advance or advances to the date of repayment and with all costs charges, damages and expenses incurred by the President in or for the recovery thereof or the enforcement of this security or otherwise by reason of the default of the Contractor and the Contractor hereby covenants and agrees with the President to repay and pay the same respectively to him accordingly.
- (8) That the Contractor hereby charges all the said materials with the repayment to the President of the said sum of Rupees ..... and any further sum or sums advanced as aforesaid and all costs charges, damages and expenses payable under these presents PROVIDED ALWAYS and it is hereby agreed and declared that notwithstanding anything in the said agreement and without prejudice to the powers contained therein if and whenever the covenant for payment and repayment herein before contained shall become enforceable and the money owing shall not be paid in accordance therewith the President may at any time thereafter adopt all or any of the following courses as he may deem best :-
  - (a) Use and utilize the said materials or any part thereof in the completion of the said works on behalf of the Contractor in accordance with the provisions in that behalf contained in the said agreement debiting the Contractor with the actual cost of effecting such completion and the amount due in respect of advances under these presents and crediting the Contractor with the value of work done as if he had carried it out in accordance with the said agreement and at the rates thereby provided. If the balance is against the Contractor he is to pay same to the President on demand.
  - (b) Remove and sell by public auction the seized materials or any part thereof and out of the moneys arising from the sale retain all the sums aforesaid repayable or payable to the President under these presents and pay over the surplus (if any) to the Contractor.
  - (c) Deduct all or any part of the moneys owing out of the security deposit or any sum due to the Contractor under the said agreement.

- (9) That except in the event of such default on the part of the Contractor as aforesaid interest on the said advance shall not be payable.
- (10) That in the event of any conflict between the provisions of these presents and the said agreement the provisions of these presents shall prevail and in the event of any dispute or difference arising over the construction or effect of these presents the settlement of which has not been herein before expressly provided for the same shall be finally resolved as per provisions of clause 25 of the contract.

In witness whereof the said ..... and ..... by the order and under the direction of the President have hereunto set their respective hands the day and year first above written.

Signed, sealed and delivered by..... the said contractor in the presence of .....

.....

Signature .....

Witness Name .....

Address .....

Signed by.....

by the order and direction of the President in the presence of

Signature .....

Witness Name .....

Address .....

**APPENDIX - XVI**

**(Refer Clause 5)**

**FORM OF APPLICATION BY THE CONTRACTOR FOR SEEKING RESCHEDULING OF MILESTONE/EXTENSION OF TIME**

1. Name of contractor
2. Name of work as given in the agreement
3. Agreement no
4. Estimated amount put tender CON 297 Page 27
5. Date of commencement of work as per agreement
6. Period allowed for completion of work as per agreement
7. Date of completion stipulated in agreement
8. Period for which extension of time if has been given by authority in Schedule 'F' previously

letter no. and date	Extension granted	
	Months	Days
(a) 1st extension.....		
(b) 2nd extension .....		
(c) 3rd extension .....		
(d) 4th extension .....		
(e) Total extension previously given		

9. Reasons for which extension have been previously given (copies of the previous applications should be attached)
10. Period for which extension if applied for
11. Hindrances on account of which extension is applied for with dates on which hindrances occurred and the period for which these are likely to last (for causes under clause 5.2/ and 5.3).

Submitted to the Authority indicated in Schedule F With copy to the Engineer-in-charge and Sub Divisional Officer

Signature of Contractor

Dated .....

Signature of the Bidder with company seal

**APPENDIX - XVII**  
**Notice for appointment of Arbitrator**  
**[Refer Clause 25]**

To  
The Chief Engineer/ADG/SDG  
..... (Zone or Region)  
.....

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 appeal to you
17. 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. We have exhausted provision of DRC as per clause 25 of this agreement.
2. Statement of claims with amount of claims.
- 3.
- 4.
- 5.

Yours faithfully,

(Signatures)

Copy in duplicate to:

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

## Form of Earnest Money Deposit Bank Guarantee Bond

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 of ..... 20.... 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 his 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 him 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 6 months from last date of receipt of tender

## Form of Performance Security (Guarantee) Bank Guarantee Bond-Format - I

In consideration of the President of India (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 an irrevocable Bank Guarantee for Rs. .... (Rupees ..... only) as a security/guarantee from the contractor(s) for compliance of his obligations in accordance with the terms and conditions in the said agreement.

1. We, .....(hereinafter referred to as "the Bank") hereby undertake to pay to the Government an amount not exceeding Rs. .... (Rupees..... Only) on demand by the Government.
2. We, ..... (indicate the name of the Bank) do hereby undertake to pay the amounts due and payable under this guarantee without any demure, merely on a demand from the Government stating that the amount claimed as 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 further undertake to pay 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. The payment so made by us under this bond shall be a valid discharge of our liability for payment thereunder and the Contractor(s) shall have no claim against us for making such payment.
4. We, ..... (indicate the name of the Bank) further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said agreement and that 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 certified that the terms and conditions of the said agreement have been fully and properly carried out by the said Contractor(s) and accordingly discharges this guarantee.
5. We, .....(indicate the name of the Bank) further agree with the Government that the Government shall have the fullest liberty without our consent and without affecting in any manner our obligation 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 forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Contractor(s) or for any forbearance, act of omission on the 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.
6. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor(s).
7. We, ..... (indicate the name of the Bank) lastly undertake not to revoke this guarantee except with the previous consent of the Government in writing.
8. This guarantee shall be valid up to ..... unless extended on demand by the Government. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs. .... (Rupees.....) 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 this guarantee shall stand discharged. Dated the .....day of .....for..... (indicate the name of the Bank)



## Form of Performance Security (Guarantee) Bank Guarantee Bond- Format -II

In consideration of the President of India (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 an irrevocable Bank Guarantee for Rs. .... (Rupees ..... only) as a security/guarantee from the contractor(s) for compliance of his obligations in accordance with the terms and conditions in the said agreement.

1. We, ..... (hereinafter referred to as "the Bank") hereby undertake to pay to the Government an amount not exceeding Rs. .... (Rupees..... Only) on demand by the Government.
2. We, ..... (indicate the name of the Bank) do hereby undertake to pay the amounts due and payable under this guarantee without any demure, merely on a demand from the Government stating that the amount claimed as 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 further undertake to pay 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. The payment so made by us under this bond shall be a valid discharge of our liability for payment thereunder and the Contractor(s) shall have no claim against us for making such payment.
4. We, ..... (indicate the name of the Bank) further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said agreement and that 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 certified that the terms and conditions of the said agreement have been fully and properly carried out by the said Contractor(s) and accordingly discharges this guarantee.
5. We, ..... (indicate the name of the Bank) further agree with the Government that the Government shall have the fullest liberty without our consent and without affecting in any manner our obligation 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 forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Contractor(s) or for any forbearance, act of omission on the 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.
6. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor(s).
7. We, ..... (indicate the name of the Bank) lastly undertake not to revoke this guarantee except with the previous consent of the Government in writing.
8. This guarantee shall be valid up to ..... unless extended on demand by the Government. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs. .... (Rupees ..... )

अनुसूचियां SCHEDULES A to F for CPWD GCC for Maintenance Works

अनुसूची 'क' **SCHEDULE 'A'**  
मात्राओं की अनुसूची (संलग्न)

Schedule of quantities (Enclosed)

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अनुसूची 'ख' **SCHEDULE 'B'**  
ढेकेदार की निर्गत की जाने वाली सामग्रियों की अनुसूची  
Schedule of materials to be issued to the contractor.

As per NIT

अनुसूची 'ग' **SCHEDULE 'C'**

ढेकेदार को भाडे पर दिए जाने वाले औजार एवं संयंत्र

Tools and plants to be hired to the contractor

क्रम सं. Sl. No.	विवरण Description	भाडा प्रभार प्रतिदिन Hire charges per day	निर्गत स्थान Place of Issue
1	2	3	4
<del>NIL</del>			

अनुसूची 'घ' **SCHEDULE 'D'**  
कार्य के लिए विशेष अपेक्षाएं/दस्तावेज, यदि कोई हों, की अतिरिक्त अनुसूची

As per NIT.

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

अनुसूची (ङ) **SCHEDULE 'E'**

ढेके की सामान्य शर्तों का संदर्भ

General conditions of contract of CPWD works 2020

Page 101 of 155

Signature of the Bidder with company seal

Reference to General Conditions of contract

(Maintenance Work) as amended upto date and special conditions attached herewith the tender document except clause-25.

<b>Name of work:</b>	<b>Operation and Comprehensive Maintenance of Electrical Services of Substation-1,2 and 3 at AIIMS Rishikesh</b>
कार्य की अनुमानित लागत <b>Estimated cost of work</b>	<b>Rs. 6,06,61,442.00/-</b>
(i) धरोहर राशि <b>Earnest money</b>	<b>Rs. 12,13,229.00/-</b>
(ii) निष्पादन गारंटी <b>Performance guarantee</b>	<b>3% of tendered value. निविदित मूल्य का 3 प्रतिषत</b>
(iii) प्रतिभूति निक्षेप: <b>Security Deposit:</b>	<b>For one year (12 months)</b> <b>2.5% of tendered value. निविदित मूल्य का 2.5 प्रतिषत</b>

अनुसूची 'च' **SCHEDULE 'F'**

सामान्य नियम एवं दिशानिर्देश:

**General Rules & Directions:**

निविदा आमंत्रण करने वाला प्राधिकारी  
**Officer inviting tender –**

**SE, AIIMS Rishikesh**

कार्य की मरदों की मात्रा के लिए अधिकतम प्रतिषत जिससे अधिक निष्पादित मरदों के लिए दरों का निर्धारण खण्ड 12.2 और 12.3 के निम्नानुसार अनुसार होगा

**Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with Clauses 12.2 & 12.3.**

**See below**

**Definitions:**

2(v) भारसाधक इंजीनियर <b>Engineer-in-Charge</b>	<b>EE (E), AIIMS Rishikesh</b>
2(viii) स्वीकार कर्ता प्राधिकारी <b>Accepting Authority</b>	<b>Director, AIIMS Rishikesh</b>
2(x) अतिरिक्त और लाभों को पूरा करने के लिए श्रम एवं सामग्रियों की लागत पर प्रतिषतता <b>Percentage on cost of materials and labour to cover all overheads and profits.</b>	<b>15% (Fifteen per cent)</b>
2(xi) <b>Standard Schedule of Rates:</b>	<b>Market rates</b>
2(xii) <b>Department:</b>	<b>AIIMS Rishikesh</b>
9(ii) <b>Standard CPWD contract Form:</b>	<b>GCC Maintenance work 2020, CPWD Form 7/8 modified &amp;</b>



Corrected up to Correction slip received on the date of receipt of tender.

**खण्ड Clause 1**

स्वीकृति पत्र जारी होने की तारीख से निष्पादन गारंटी के प्रस्तुतीकरण के लिए अनुमत समय

- i) Time allowed for submission of Performance Guarantee, and applicable labour licenses, registration with EPFO, ESIC and BOCW Welfare Board or proof of applying thereof from the date of issue of letter of acceptance 15 days

(उपर्युक्त i) में दी गई अवधि के पश्चात् अधिकतम अनुमेष एक्सटेंशन

- ii) Maximum allowable extension with late fee @ 0.10% per day of performance guarantee amount beyond the period as provided in (i) above 7 days

**खण्ड Clause 2**

खण्ड 2 के तहत प्रतिकार निश्चित करने वाला प्राधिकारी

Authority for fixing compensation under clause 2

SE, AIIMS Rishikesh

**खण्ड Clause 2A**

क्या खण्ड 2 क लागू होगा

Whether clause 2 / Clause 2A shall be applicable

No

**खण्ड Clause 5**

कार्य आरंभ की तारीख की गणना के लिए स्वीकृति पत्र के जारी होने की तारीख से दिनों की संख्या

No. of days from the date of issue of letter of acceptance for reckoning date of start

15 days

लक्ष्य नीचे दी गई सारणी के अनुसार

Mile stone(s):

N.A

कार्य निष्पादित करने के लिए अनुमत समय

Time allowed for execution of work

(12+12) Months

**Authority to decide**

- (i) Extension of Time SE, AIIMS Rishikesh
- (ii) Rescheduling of mile stones N.A
- (iii) Shifting of date of start in case of delay in handing over of site SE, AIIMS Rishikesh

**खण्ड Clause 6**

Clause applicable-(6)

Applicable

**खण्ड Clause 7**

अंतरिम भुगतान के लिए पात्र होने के लिए अंतिम ऐसे भुगतान के बाद कुल भुगतान एकत्रित सामग्रियों के अग्रिमों के समायोजन सहित किया जाने वाला कुल कार्य  
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

N.A

**खण्ड Clause10A**

कार्यस्थल प्रयोगशाला में टेकेदार द्वारा उपलब्ध कराये जाने परीक्षण उपकरण की सूची  
List of testing equipment to be provided by the contractor at site lab.

N.A.

**खण्ड Clause10B(ii)**

क्या खण्ड 10 ख ,पपद्ध लागू होगा  
Whether clause 10B (ii) shall be applicable

N.A.

**खण्ड Clause10C**

Component of labour expressed as Percent of value of work

N.A

**खण्ड Clause 10CC - NOT APPLICABLE.**

~~खण्ड 10 गग उन सविदाओं पर लागू होगा जिसमें कार्य समापन की अवधि, अमले कालम में दर्शाई गई अवधि से अधिक अनुबंधित है।  
Clause 10CC to be applicable in DELETED with stipulated period of compensation exceeding the period shown in next column : ..... Months~~

**खण्ड Clause 11**

कार्य निष्पादन के लिए अनुपालन  
Specifications to be followed for execution of work

CPWD General specification for electrical work Internal and External (Part-II & I), Part-IV Sub Station & CPWD Work Manuals 2019 with up to correction slip received on the date of receipt of tender.

**खण्ड Clause 12**

Authority to decide deviation upto 1.5 times of

4



tendered amount

Type of Work	Maintenance work (Operation and Comprehensive Maintenance)
12.2 & 12.3	विचलन सीमा जिसके परे खण्ड 12.2 तथा 12.3 भवन निर्माण कार्य के लिए लागू होंगे Deviation limit beyond which clauses 12.2 & 12.3 shall apply for this works. 50%
12.5	(i) Deviation limit beyond which clauses 12.2 & 12.3 shall apply for foundation work (except earth work) N.A
	(ii) Deviation limit for item in earth work subhead of DSR or related items ) N.A

**खण्ड Clause 16**

घटी हुई दरे निर्धारित करने की लिए सक्षम प्राधिकारी  
Competent Authority for deciding reduced rates

SE, AIIMS Rishikesh.

**खण्ड Clause 18**

कार्यस्थल पर टेकेदार द्वारा लगाये जाने वाली अनिवार्य मशीनरी औजार एवं सयंत्रों की सूची :-  
List of mandatory machines, tools and plants to be deployed by the contractor at site.

To be Arrange by contractor

**खण्ड Clause 25**

Modified as attached at page no.108-110

**खण्ड Clause 31**

Whether clause 31 shall be applicable

Yes

**खण्ड Clause 32**

Cost of work (Rs in Crores)	Requirement of Technical		Minimum experience (Years)	Designation Technical staff	Rate at which be made from the contractor in the event of not fulfilling
	Qualification	Number			
More than 5 Crore.to 10 Crore	Graduate Engineer	1	5 (and having experience of one similar nature of work)	Project Manager	Rs. 25,000/- per month
	Graduate Engineer or Diploma Engineer	2	2 or 5 respectively	Supervision monitoring /quality/ billing Engineer	Rs. 15,000/- per month per person

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**Annexure showing quantities of materials for areas of surfacing to be considered for working out minimum period of road roller**

Sl. No.	Material of surfacing	Quantity or area
1.	Consolidation of earth subgrade	1860Sq.m
2.	Consolidation of stones soling 15 cm. to 22.5cmthick	170Cu.m.
3.	Consolidation of brick soling 10 cm. to 20cm.thick	230
4.	Consolidation of wearing coat of stone ballast 7.5cm to 11.5cm thick	30Cu.m.
5.	Consolidation of wearing coat of brick ballast 10 cm. thick	60Cu.m.
6.	Spreading and consolidation of red bajri 6mm.	1860Sq.m.
7.	Painting one coat using stone aggregate 12.5 mm nominal size-	
	(a) @ 1.65 m <sup>3</sup> per 100 m <sup>2</sup> and paving bitumen A-90 or S-90 @ 2.25 Kg per m <sup>2</sup>	930 Sq.m.
	(b) 1.50 m <sup>3</sup> per 100 m <sup>2</sup> and bitumen emulsion or Road tar @ 2.25 Kg per m <sup>2</sup>	930 Sq.m.
8.	Painting two coats using-	
	(a) For first coat, stone aggregate 12.5 mm nominal size:	
	(i) @ 1.50m <sup>3</sup> per 100m <sup>2</sup> with paving bitumen A-90 or S-90 @ 2 Kg per m <sup>2</sup>	
	or	
	(ii) @ 1.35m <sup>3</sup> per 100m <sup>2</sup> with bitumen emulsion @ 2 Kg per m <sup>2</sup>	
	or	
	(iii) @ 1.25 m <sup>3</sup> per 100m <sup>2</sup> with road tar @ 2.25 Kg per m <sup>2</sup>	600Sq.m
	(b) For 2nd Coat, stone aggregate 10mm nominal size 0.9 Cu.m. per 100 Sq.m with-	
	(i) 1kg of paving bitumen A-90 or S-90 or bitumen emulsion per Sq.m.	
	or	
	(ii) 1.25 Kg of road tar per Sq.m.	600Sq.m
9.	Re-painting with stone aggregate 10 mm nominal size 0.9 Cu.m. per 100 Sq.m. with-	
	(a) 1Kg. of paving bitumen A-90 or S-90 per Sq.m.	
	or	
	(b) 1.25 kg of Bitumen emulsion per Sq.m.	1670Sq.m.
10.	2 cm premix carpet surfacing using 2.4 m <sup>3</sup> of stone aggregate 10 mm nominal size per 100 m <sup>2</sup> and binder including tack coat, the binder being hot cut back bitumen or bitumen emulsion specified quantities.	930 Sq.m.
11.	2.5 cm. premix carpet surfacing using 3m <sup>3</sup> of stone aggregate 10 mm nominal size per 100 m <sup>2</sup> and binder including tack coat, the binder being hot cut back Bitumen or bitumen emulsion in specified quantities.	930 Sq.m.
12.	4 cm thick bitumen concrete surfacing using stone aggregate 3.8 Cu.m. (60% 20 mm nominal size and 40% 12.5 mm nominal size) per 100 m <sup>2</sup> and coarse sand 1.9 Cu.m. per 100 m <sup>2</sup> and hot cut back bitumen over a tack coat of hot cut back bitumen.	460 Sq.m.

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Sl. No.	Material of surfacing	Quantity or area
13.	4 cm thick bitumen concrete surfacing using stone aggregate 4.8 Cu.m. (60% 25 mm nominal size and 40% 20 mm nominal size) per 100 m <sup>2</sup> and coarse sand 2.4 Cu.m. per 100 Sq.m. and hot cut back bitumen over a tack coat of hot cut back bitumen	370 Sq.m.
14.	6cm thick bitumen concrete surfacing using stone aggregate 5.8 Cu.m. (60 % 40 mm. nominal size and 40% 25mm nominal size) per 100 Sq.m. and coarse sand 2.9 Cu.m. per 100 Sq.m. and hot cut back bitumen over a tack coat of hot cut back bitumen.	280 Sq.m
15.	7.5cm thick bitumen concrete surfacing using stone aggregate 7.3 Cu.m. (60% 50mm nominal size and 40% 40mm nominal size) per 100 Sq.m. and coarse sand 3.65 Cu.m. per 100 Sq.m. and hot cut back bitumen over a tack coat of hot cut back bitumen.	750 Sqm
16.	2.5 cm bitumastic sheet using stone aggregate 1.65 Cu.m. (60% 12.5 mm nominal size, 40% 10 mm nominal size) per 100 Sq.m. and coarse sand 1.65 Cu.m. per 100 Sq.m. and hot cut back bitumen over a tack coat of hot cut back bitumen.	750 Sq.m.
17.	4cm bitumastic sheet, using stone aggregate 2.6 Cu.m. (60% 12.5mm nominal size 40% 10 mm nominal size) per 100 Sq.m., coarse sand 2.5 Cu.m. per 100 Sq.m. and hot cut back bitumen over a tack coat of hot bitumen.	560 Sqm
18.	Laying full grouted surface using stone aggregate 40 mm nominal size 6.10 Cu.m. per 100 Sq.m. with binder, binding with 20mm to 12.5 mm nominal size stone grit. 1.83 Cu.m. per 100 Sq.m. and seal coat of binder and stone grit 10 mm nominal size, 1.07 Cu.m. per 100 Sq.m., the binder being hot bitumen or tar as specified.	460 Sqm
19.	Laying full grouted surface using stone aggregate 50 mm nominal size 9.14 Cu.m. per 100 sq.m. grout in with binder, with stone grit 20 mm to to 12.5 mm nominal size, 1.83 Cu.m. per 100 Sq.m. and seal coat of binder and stone grit 10mm nominal size 1.07 cu.m /100 Sqm	370 Sqm
20.	4cm. thick premix macadam surfacing using stone aggregate 25mm nominal size 4.57 Cu.m. per 100 Sq.m and hot bitumen binding with stone aggregate 12.5 mm nominal size 1.52 Cu.m. per 100 Sq.m. and seal coat of hot bitumen and stone aggregate 10mm nominal size. 1.07 Cu.m. per 100 Sq.m.	560 Sq.m.
21.	5cm thick premix macadam surfacing with stone aggregate 25 mm nominal size, 6.10 Cu.m. per 100 Sq.m and hot bitumen binding with stone aggregate 12.5 mm nominal size 1.52 Cu.m. per 100 Sq.m. and seal coat of hot bitumen and stone aggregate 10mm nominal size 1.07 Cu.m. per 100 Sq.m.	460 Sq.m.

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**Sub: - Amendment in general conditions of contractor (GCC) maintenance works -2020**  
**The following provision of GCC-2020 is modified as under**

Existing Provision	Modified Provision
<p><b>Clause 25</b>            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:</p> <p>(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 or if the Engineer in Charge considers any act or decision of the contractor on any matter in connection with or arising out of the contract or carrying out of the work, to be unacceptable and is disputed, such party shall promptly within 15 days of the arising of the disputes request the Chief Engineer/CPM, or where there is no Chief Engineer/CPM, the Additional Director General/Special Director General (CE/ADG/SDG) who shall refer the disputes to Dispute Redressal Committee (DRC) within 15 days along with a list of disputes with amounts claimed if any in respect of each such dispute. The Dispute Redressal Committee (DRC) give its decision within a period of 60 days extendable by 30 days by consent of both the parties from the receipt of reference from CE/CPM/ADG/SDG. The constitution of Dispute Redressal Committee (DRC) shall be as indicated in Schedule 'F'. Provided that no party shall be represented before the Dispute Redressal Committee by an advocate/legal counsel etc.</p> <p>The DRC will submit its decision to the concerned ADG/SDG for acceptance. ADG/ SDG in a time limit of 30 days from receipt of DRC decision will convey acceptance or otherwise on the said</p>	<p><b>Arbitration &amp; Reconciliation</b></p> <p>a) In case amicable settlement is not reached in the event of any dispute of difference arising out of the execution of the contract or the respective rights and liabilities of the parties or in relation to interpretation of any provision by the contractor in any manner touching upon the contract, such dispute or difference shall (except as to any matters, the decision of which is specifically provided for therein) be referred to the sole arbitration of the arbitrator appointed by AIIMS.</p> <p>b) The award of the Arbitrator shall be binding upon the parties to the dispute.</p> <p>c) Subject as aforesaid, the provisions of Arbitration and Reconciliation Act 1996 (India) or statutory modifications or re enactments thereof and the rules made there under and for the time being in force shall apply to the arbitration proceedings under this clause. The venue of the arbitration shall be held at Rishikesh and the language of the proceedings shall be in English.            Subject to the above, the Courts at Rishikesh alone shall have the jurisdiction to deal any disputes between the Parties pertaining to the contract.</p> <p>d) The cost of arbitration shall be borne equally by both the parties.</p> <p>e) Work under the contract shall be continued during the arbitration proceedings.</p> <p>f) Failure to comply with any of the above conditions can result in termination of the</p> <p>Contract, forfeiture of the security deposit, penalty as may be decided by AIIMS and future blacklisting of the contractor.</p>

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decision if the Dispute Redressal Committee (DRC) fails to give its decision within the aforesaid period or the ADG/SDG fails to give his acceptance in the aforesaid time limit or any party is dissatisfied with the decision of Dispute Redressal Committee (DRC) ADG/ SDG then either party may within a period of 30 days from the receipt of the decision of Dispute Redressal Committee (DRC), ADG/SDG or on expiry of aforesaid the time limits available to DRC/ ADG/SDG may give notice to the Chief Engineer/CPM, CPWD, in charge of the work or if there be no Chief Engineer/ CPM, the Additional Director General /Special Director General of the concerned region of CPWD or if there be no Additional Director General/ Special Director General, the Director General, CPWD for appointment of arbitrator one prescribed proforma as per Appendix XVII under intimation to the other party. 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.

The CE/CPM/ADG/ SDG shall in such case appoint the sole arbitrator or one of the three arbitrators as the case may be within 30 days of receipt of such a request and refer such disputes to arbitration. Wherever the Arbitral Tribunal consists of three Arbitrators, the contractor shall appoint one arbitrator within 30 days of making request for arbitration or of receipt of request by Engineer-in-charge to CE/ADG/SDG /DG for appointment of arbitrator, as the case may be, and two appointed arbitrators shall appoint the third arbitrator who shall act as the Presiding Arbitrator In the event of

- a) A party fails to appoint the second Arbitrator, or
  - b) The two appointed Arbitrators fail to appoint the Presiding Arbitrator, then the Director General; CPWD shall appoint the second or Presiding Arbitrator as the case may be.
- (ii) Disputes or difference shall be referred for adjudication through arbitration by a Tribunal having sole arbitrator where claimed amount is Rs. 20 Crore or less. Where claimed Value is more than Rs. 20 Crore, Tribunal shall consist of three Arbitrators as above. The requirements of the Arbitration and Conciliation Act, 1996 (26 of 1996) and any further statutory modification or re-enactment thereof and

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the rules made there under and for the time being in force shall be applicable.

It is a term of this contract that the party invoking arbitration shall give a list of disputes with amounts claimed, if any, in respect of each such dispute along with the notice for appointment of arbitrator and giving reference to the decision of the ADG/ SDG on the finding / recommendation of DRC. It is also a term of this contract that member(s) of the Arbitration Tribunal shall be a Graduate Engineer with experience in handling public works engineering contracts, and further he shall have earlier worked at a level not lower than Chief Engineer/ equivalent (i.e. Joint Secretary level of Government of India). This shall be treated as a mandatory qualification to be appointed as arbitrator. Parties, before or at the time of appointment of Arbitral Tribunal may agree in writing for fast track arbitration as per the Arbitration and Conciliation Act, 1996 (26 of 1996) as amended in 2015. Subject to provision in the Arbitration and Conciliation Act, 1996 (26 of 1996) as amended in 2015 whereby the counter claims if any can be directly filed before the arbitrator without any requirement of reference by the appointing authority. 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 fees payable to arbitral tribunal shall be as approved by DG, CPWD, OM issued vide no.2/2006/SE(TLC)/CSQ /137 dated 19-11-2019 (or its latest amendment as approved by DG, CPWD). This fee shall be shared equally by parties. The place of arbitration shall be as mentioned in Schedule F. In case there is no mention of place of arbitration, the arbitral tribunal shall determine the place of arbitration. The venue of the arbitration shall be such place as may be fixed by the Arbitral Tribunal in consultation with both the parties. Failing any such agreement, then the Arbitral Tribunal shall decide the venue.

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## SPECIAL TERMS AND CONDITIONS

1. The work shall be carried out strictly in accordance with CPWD specifications for electrical works Part-I Internal 2013 and 1995 (external) ) Part-IV Sub Station & CPWD Work Manuals 2019 as amended up to date and in accordance with Indian Electricity Rules, 1956, Indian Electricity Act, 1910 as amended up to date and as per instructions of the Engineer-in-Charge, including as below and nothing will be paid extra.
2. All materials to be used on this work by the contractor shall be got approved from the Engineer-in-Charge or their authorized representative.
3. All the debris of the Electrical/Civil works should be removed and the contractor should clear the site immediately after the accruing of debris. Similarly, the contractor should immediately clear off any rejected material from the site.
4. The contractor shall make his own arrangement at his own cost for electrical/ general tools and plants required for the work.
5. The department shall not pay separately Central/State sales tax/VAT/Contract tax/Excise duty/GST etc. The rates tendered should be inclusive all taxes and duties. Deduction of contract tax at source shall be made while releasing payment through running/final bills as applicable. A certificate specifying the rate and amount of deduction shall however be issued.
6. The entire installation shall be at the risk and responsibility of the contractor until the CAMC period.
7. Notwithstanding the schedule of quantities, all items of interrelated works considered necessary to keep the installation in good working condition and operative are deemed to be included in the scope of work.
8. The contractor has to get CEA clearance certificate of the substation as per government norms for which no extra cost shall be paid.
9. All Electrical work will be carried out to conformity IE act, IE Rules in standards.
10. Any type of License/NOC/ Approval from Government/ Local Body shall be in the scope of contractor.
11. Storage and custody of material will be in the scope of contractor.
12. The contractor shall have to handover the complete installation in working condition to the department/ another agency after successful completion of work/CAMC.
13. Conditional bids would be summarily rejected.
14. **T&P: The AIIMS will not issue any type of T&P for execution of the work.**
15. **INSPECTION:** - It will be carried out by Engineer-in -Charge. In case any deficiency noticed during inspection, the Contractor at his own cost & risk will be rectified the same.
16. All necessary work/ spare(s)/ tool/ any type item required for completion of work will be in the scope of contractor and nothing will be paid extra by AIIMS.
17. The Contractor should submit details of manpower deployed by him at AIIMS. The contractor shall also ensure the police verification of each person deployed by him at AIIMS. The contractor shall also submit copies of the appointment letters of the personnel deployed at AIIMS, at the time of commencement of the contract or whenever change/replacement of any person (s) takes place during the period of the contract. AIIMS may ask to furnish the details of personnel deployed by the contractor at any time during the period of contract.

18. It is an electrical highly specialized electro-mechanical services hence contractor is advised to inspect the site carefully before quoting the rates. The contractor shall be deemed to have satisfied himself to the nature & extent of work at site & no claim for extra payment will be allowed on the ground that he was not conversant with condition providing at the site. The rate shall be inclusive of all taxes, accessories, machining & labor, dismantling i.e. site clearance & shifting the debris from work place to specified place at site etc.
19. **Shut Downs: No routine shut down shall be permitted during office hours. The contractor shall be at liberty to carry out work on holidays and after office hours but with prior permission of AIIMS.**
20. AIIMS will not be responsible for any lapse on the part of the Contractor in enforcing of provisions of any Labour Acts /Laws, viz., Payment of Wages Act, Minimum Wages Act, Contract Labour (Regulation & Abolition) Act, 1970 and (Central) Rules, 1971 / Industrial Disputes Act, 1947 and (Central) Rules 1957, Employee's State Insurance Act, 1948 (ESI), Employee's Provident Funds and Miscellaneous Provisions Act, 1952 EPF), Gratuity, Workmen Compensation Act, Bonus Act, etc. It will be the contractor's responsibility to abide by all Statutory Laws/Regulations applicable to the contract labour engaged by him on the Contract Work. Receipt of any complaints on this ground viewed seriously. It is expressly understood that the manpower deployed by the contractor are not on the rolls of AIIMS and no legal relationship of whatsoever subsists between AIIMS and such personnel employed by the contractor.
21. This being all inclusive service contract, the personnel engaged by the contractor and deployed by him at AIIMS premises will be in no way be deemed as working under employment of AIIMS and there shall not exist any employer-employee relationship between AIIMS and the contractor or his personnel deployed by him. The Contractor or personnel shall have nothing to do with AIIMS either in respect of wages/salary or such other statutory benefits or compensation etc. under the Labour Laws and other related Laws i.e. Gratuity, Bonus or Workmen Compensation Act or any other law in force. The contractor shall obtain an appropriate/adequate Policy i.e. Contractor All Risks (CAR) Policy so as to meet any obligation in any eventuality. The Contractor will be responsible for providing benefits like ESI, PF, Bonus, Group Insurance Scheme etc. under the relevant rules/laws of the State and Central Government. The Contractor shall be solely liable for any dispute that might arise in any matter in future for violation/non-compliance of Labour Laws/regulations and AIIMS will have no responsibility, whatsoever.
22. The employee of the contractor will ensure strict discipline and behavior and diligent performance of their duties most befitting to the decor of the most modern mechanized building and the employees of the contractor shall not in any manner cause any interference, annoyance, nuisance etc. to AIIMS staff or its business or working and will be liable for immediately replacing/relocating the individual employee if the services rendered by him are not found to be satisfactory.
23. In case of any damage to AIIMS's property/premises for which contractor is accountable, the contractor will be liable to pay the compensation to AIIMS as may be advised by AIIMS. The contractor shall also take full responsibility and compensate AIIMS for any loss/damage/break-down caused to the installation due to negligence of his workers.
24. **AIIMS will not be responsible for any accident/injury/death caused to the employees provided by the contractor at site. It will be the responsibility of the contractor to abide with the all the provisions of the Workmen Compensation Act, 1923 and no compensation, whatsoever shall be paid by AIIMS in this regard.**
25. Integrity Pact (IP) shall be applicable for all tenders / contracts as indicated in tender document. This integrity pact shall be issued as part of the Tender documents and shall be submitted by the bidder along with Technical bid duly filled, signed and stamped by the authorized signatory who signs the bid. Only those contractors / bidders who have entered into such an IP with AIIMS shall be considered qualified to participate in the bidding. Entering into this pact shall be a preliminary qualification.



**26. Security Deposit :-**

Security Deposit 2.5 % of tendered value will deducted by the AIIMS Rishikesh, the following shall be complied with:

- a) Security deposit will be deducted from Running bill/ Final bill of the contractor.

**27. Return of Security Deposit:-**

Security Deposit will be released to the Contractor after deducting all expenses /other amounts due to AIIMS, penalty amount if any, after defect liability/warranty/ guarantee period of the contract.

**28. Before payment from AIIMS, the contractor has to submit an affidavit regarding timely payment of wages (as per govt. rule) for labour working under contractor on respective site.**

**29. The wages will be paid as per the rule listed by Government. No Juvenile worker should be engage in site.**

**30. No any type of Advance given to contractor.**

31. Thorough checking of employees of the contractor during entry/exit would be done by security Staff of AIIMS.

**32. Rejection of Tender and Other Conditions**

a) AIIMS reserves the right to accept or reject the tenders without assigning any reason whatsoever.

b) Conditional tenders, unsolicited tenders, tenders which are incomplete or not in the form specified or defective or have been materially altered or not in accordance with the tender conditions, specifications etc., are liable to be rejected.

c) Tenders are liable to be rejected in case of unsatisfactory performance of the bidder with AIIMS or bidder who do not comply with the latest guidelines of Ministry/Commissions of Govt. of India. AIIMS reserves the right to reject a bidder in case it is observed that they are overloaded and may not be in position to execute this job as per the required schedule. The decision of AIIMS will be final in the regard.

d) If a bidder who is a proprietor expires after the submission of his tender or after the acceptance of his tender, AIIMS may at their discretion, cancel such tender. If a partner of a firm expires after the submission of tender or after the acceptance of the tender, AIIMS may then cancel such tender at their discretion, unless the firm retains its character.

e) AIIMS will not be bound by any Power of Attorney granted by changes in the composition of the firm made subsequent to execution of the contract. They may, however, recognize such power of attorney and changes after obtaining proper legal advice, the cost of which will be chargeable to the contractor concerned.

f) If the bidder gives wrong information in his tender, AIIMS reserves the right to reject such tender at any stage or to cancel the contract if awarded and forfeit the Earnest Money/Security Deposit/any other money due.

g) Canvassing in any form in connection with the tenders submitted by the Bidder shall make his offer liable to rejection.

h) In case the proprietor, Partner or Director of the Company/Firm submitting the Tender, has any relative or relation employed in AIIMS, the authority inviting the Tender shall be informed of the fact as per specified format as per relevant annexure attached along with the offer.

i) The successful bidder should not sub-contract part or complete work detailed in the tender specification undertaken by him.

j) The Tender submitted by a techno commercially qualified bidder shall become the property of AIIMS who shall be under no obligation to return the same to the bidder. However, unopened financial bids and late tenders shall be returned to the bidders.



k) AIIMS shall not be liable for any expenses incurred by the bidder in the preparation of the tender irrespective of whether the tender is accepted or not.

### 33. Cancellation of Contract in Full or in Part

AIIMS at its sole discretion can terminate the contract at any time during the period of contract, if the Contractor:

- a) At any time makes defaults in proceeding with the works with due negligence and continues to do so even after a notice in writing from the AIIMS, Rishikesh.; or
- b) Commits default in complying with any of the terms and conditions of Contract and does not remedy it or take effective steps to remedy it within 15 days after a notice in writing is given to him in that behalf by the AIIMS, Rishikesh.; or
- c) Fails to yearly performance evaluation of the service provider/contractor by AIIMS or third party inspection report or both; or
- d) Violates any of the terms and conditions stipulated in the agreement/tender document.

### 34. Law Governing the Contract and Court Jurisdiction

The contract shall be governed by the law for the time being in force in India. The civil court having original civil jurisdiction at Rishikesh shall have an exclusive jurisdiction in regard to all claims in respect of the Contract. No other civil court shall have jurisdiction in case of any dispute, under this contract.

35. **Use of Office Space:** No space belonging to AIIMS shall be occupied by the contractor without written permission of AIIMS.

### 36. Rights of AIIMS, Rishikesh

a) AIIMS reserves the following rights in respect of this contract during the original contract period or its extensions if any, as per the provisions of the contract, without entitling the contractor for any compensation.

b) To terminate the contract or get any part of the work done through other agency or deploy AIIMS's own/hired/otherwise arranged resources, at the risk and cost of the contractor after due notice period of two weeks by AIIMS in the event of:

- (i) Contractor's continued poor progress
- (ii) Withdrawal from or abandonment of the work before completion of the work
- (iii) Contractor's inability to progress the work for completion as stipulated in the contract
- (iv) Poor quality work
- (v) Corrupt act of Contractor
- (vi) Insolvency of the Contractor
- (vii) Persistent disregard to the instructions of AIIMS
- (viii) Assignment, transfer, sub-letting of contract without AIIMS's written permission
- (ix) Non fulfilment of any contractual obligations
- (x) In the opinion of AIIMS, the contractor is overloaded and is not in a position to execute the job as per required schedule.

c) To effect recovery from any amounts due to the contractor under this or any contract or in any other forms, the moneys AIIMS is statutorily forced to pay to anybody, due to contractor's failure to fulfil any of his obligations. AIIMS shall levy overheads of 5% on all such payments.

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**37. Responsibilities of the contractor in respect of local laws, employment of works etc.**

The contractor shall fully indemnify AIIMS against any claims of whatsoever nature arising due to the failure of the contractor in discharging any of his responsibilities. The following are the responsibilities of the contractor in respect of observance of local laws, employment of personnel, payment of taxes etc.:

- a) The contractor at all times during the continuance of this contract shall, in all his dealings with local labour for the time being employed on or in connection with the work, have due regard to all local festivals and religious and other customs.
- b) The contractor shall comply with all applicable State and Central Laws, Statutory Rules, Regulations etc. such as Payment of Wages Act, Minimum Wages Act, Workmen Compensation Act, Employer's Liability Act, Industrial Dispute Act, Employers Provident Act, Employees State Insurance Scheme, Contract Labour (Regulation and Abolition) Act 1970, Payment of Bonus & Gratuity Act and other Acts, Rules and Regulations for labour as may be enacted by the Government during the tenure of the Contract and having force or jurisdiction at Site. The Contractor shall also give to the local Governing Body, Police and other relevant Authorities all such notices as may be required by the Law.
- c) The Contractor shall pay all taxes, fees, license charges, deposits, tolls, royalties, commission or other charges which may be liable on account of his operations in executing the contract.
- d) Contactor shall be responsible for provision of Health and Sanitary arrangements (more particularly described in Contract Labour Regulation & Abolition Act), Safety precautions etc. as may be required for safe and satisfactory execution of contract.
- e) The Contractor shall be responsible for proper accommodation including adequate medical facilities for personnel employed by him.
- f) The Contractor shall ensure that no damage is caused to any person/property of other parties working at site. If any such damage is caused, it is responsibility of the contractor to make good the losses or compensate for the same.
- g) The Contractor shall arrange, coordinate his work in such a manner as to cause no hindrance to other agencies working in the same premises.
- h) All safety rules and codes applied by the AIIMS at site shall be observed by the contractor without exception. The contractor shall be responsible for the safety of the equipment/material and works to be performed by him and shall maintain all light, fencing guards, slings etc. or other protection necessary for the purpose. Contractor shall also take such additional precautions as may be indicated from time to time by the Engineer with a view to prevent pilferage, accidents, fire hazards. Due precautions shall be taken against fire hazards and atmospheric conditions. Suitable number of Clerical staff, watch and ward, store keepers to take care of equipment/materials and construction tools and tackles shall be posted at site by the contractor till the completion of work under this contract.
- i) The contactor shall arrange for such safety devices as are necessary for such type of work and carry out requisite site tests of handling equipment, lifting tools, tackles etc. as per prescribed standards and practices.
- j) Contractor has to ensure the implementation of Health, Safety and Environment (HSE) requirements as per directions given by AIIMS/Customer. The contractor has to assist in HSE audit by AIIMS/Customer and submit compliance Report. The contractor has to generate and submit record/reports as per HSE plan/activities as per instruction of AIIMS/Customer.
- k) The contractor will be directly responsible for payment of wages to his workmen. A pay roll sheet given all the payments given to the workers and duly signed by the contactor's

representative should be furnished to AIIMS site for record purpose, if so called for.

l) In case of any class of work for which there is no such specification as laid down in the contract, such work shall be carried out in accordance with the instructions and requirements of AIIMS.

### 38. Insurance

a) It is the sole responsibility of the contractor to insure his materials, equipments, workmen, etc. against accidents and injury while at work and to pay compensation, if any, to workmen as per Workmen's compensation Act. The work be carried out in protected area and all the rules and regulations of the AIIMS in the area of project which are in force from time to time will have to be followed by the contractor.

b) If due to negligence and or non-observation of safety and other precautions by the contractors, any accident/injury occurs to the property/manpower belong to third party, the contractor shall have to pay necessary compensation and other expense, if so by the appropriate authorities.

c) The contractor will take necessary precautions and due care to protect the material, while in his custody from any damage/loss due to theft or otherwise till the same is taken over by AIIMS or customer. The contractor will submit necessary documents for lodging/processing of insurance claim. AIIMS will recover the loss from the contractor, in case the damage /loss is due to carelessness / negligence on the part of the contractor. In case of any theft of material under contractor's custody, matter shall be reported to police by the contractor immediately and copy of FIR and subsequently police investigation report shall be submitted to AIIMS for taking up with insurance. However this will not relieve the contractor of his contractual obligation for the material in his custody. Contractor responsible to complete assignment as per term and condition NIT subsequently agreement as signed with AIIMS.

### 39. Force Majeure

The following shall amount to Force Majeure:

a) ~~Acts of God, act of any Government, War, Sabotage, Riots, Civil commotion, Police action, Revolution, flood, Fire, Cyclones, Earth quake and Epidemic and other similar causes over which the contractor has no control.~~

b) ~~If the contractor suffers delay in the due execution of the contractual obligation due to delays caused by force majeure as defined above, the agreed time of completion of the job covered by this contract or the obligations of the contractor shall be extended by a period of time equal to period of delay, provided that on the occurrence of any such contingency, the contractor immediately reports to AIIMS in writing the causes of delay and the contractor shall not be eligible for any compensation.~~

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**40. Payment terms:-**

- a. Payment shall be paid quarterly after completion of each quarter on after submission of the pre-receipted bill with satisfactory service report duly accepted and signed by Head of the department.
- b. Service report of contractor by site in charge and AIIMS Rishikesh representative.
- c. Payment shall be made on after submission of certified deposit copy of wages PF, ESI and insurance of all working employee.
- d. Wage should not be less than the prescribed minimum wages for skilled/ semi-skilled personnel, as notified by the government.
- e. Bidder should ensure that the salary to manpower is paid by Electronic Clearing Service (ECS) only.

41. Payment will be made as per terms and conditions of tender document. However, it may depend on availability of funds. It can be delayed due to scarcity of funds for which no interest shall be paid by the department.

**42. Penalties :-**

S No.	Description of default	Penalty
i	Non resolution of complaints.	If complaint is resolved within 24 hours. - No penalty If complaint remain unresolved beyond 24 hours penalty of @ Rs. 1,000 for per day.
ii	Consumables/spare parts supplied for use during the contract are not as per OEM/Authorized supplier of OEM.	Apart from immediate replacement of such consumables/spare parts following penalties: 1 <sup>st</sup> Instance – 0.5% of the contract value 2 <sup>nd</sup> Instance – 1% of the contract value 3 <sup>rd</sup> Instance onwards – 2% of the contract value
iii	Non- operational of Sub-station and its equipment due to the fault.	Penalty @ Rs. 20,000/- per day beyond 24 hours of breakdown period.
iv	Downtime of Sub-station and its equipment due to the fault.	Penalty @ Rs. 5000/- per hours beyond 6 hours of breakdown period.
v	Non-adherence of dress/uniform by the service provider employees or labours or any sub-contractors of the service provider	1 <sup>st</sup> Instance – INR 200 2 <sup>nd</sup> Instance – INR 500 3 <sup>rd</sup> Instance onwards – INR 1000
vi	Violation of applicable Safety, Health & Environment related guidelines/norms by service provider or its employees/labours/subcontractors	In addition to applicable legal penalties, the following will be applicable 1 <sup>st</sup> Instance – 0.5% of the contract value 2 <sup>nd</sup> Instance – 1% of the contract value 3 <sup>rd</sup> Instance onwards – 2% of the contract value

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- vii Any place supposed to be manned 24 x 7 days and Competent staff not found at any time INR 2,000 per staff per instance
- viii Absence of managerial/engineers deployed at site As per for clause-32 of the contract.

43. General Conditions of the Contract (GCC) of CPWD with Up to Dated amendment, Tender form and Special Conditions of the Contract (SCC), additional conditions of contract and NIT will form the part of the contract.

44. The General Conditions of the Contract (GCC) of CPWD can be seen and downloaded from CPWD website and given below link:-

[https://cpwd.gov.in/Publication/GCC Maintenance Works 2020.pdf](https://cpwd.gov.in/Publication/GCC_Maintenance_Works_2020.pdf) respective amended are attached at page no 18.

45. All Annexures are to be submitted with the bids duly signed.



**Superintending Engineer  
AIIMS Rishikesh**



## Annexure -1

**TENDER ACCEPTANCE**  
**LETTER**  
(To be given on Company Letter Head)

Date: \_\_\_\_\_

To,

Superintending Engineer  
AIIMS, RISHIKESH  
RISHIKESH-

Sub: Acceptance of Terms & Conditions of Tender.

Tender Reference No: \_\_\_\_\_

Name of Tender / Work: **Operation and Comprehensive Maintenance of Electrical Services of Substation-1,2 at AIIMS Rishikesh**

Dear Sir,

1. I / We have downloaded / obtained the tender document(s) for the above-mentioned 'Tender/Work' from the web site(s) namely: [www.aiimsrishikesh.edu.in](http://www.aiimsrishikesh.edu.in) as per advertisement, given in the above mentioned website(s).
2. I / We hereby certify that I / we have read the entire terms and conditions of the tender documents of all pages (including all documents like annexure(s), schedule(s), etc.), which form part of the contract agreement and I / we shall abide hereby by the terms / conditions / clauses contained therein.
3. The corrigendum(s) issued from time to time by department/ organization too has also been taken into consideration, while submitting this acceptance letter.
4. I / We hereby unconditionally accept the tender conditions of above mentioned tender document(s) / corrigendum(s) in its totality / entirety.
5. I / We do hereby declare that our Firm has not been blacklisted/ debarred by any Govt. Department/Public sector undertaking/Private organization.
6. I / We certify that all information furnished by the our Firm is true & correct and in the event that the information is found to be incorrect/untrue or found violated, then department/ organization shall without giving any notice or reason therefore or summarily reject the bid or terminate the contract , without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit /Security deposit or both absolutely.

Date:  
Place:

Signature of authorized person  
Full Name & Designation:  
Company's Seal

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## Annexure -2

**DECLARATION BY AUTHORISED SIGNATORY OF BIDDER**  
(To be typed submitted in the letter Head of the Company/firm of Bidder)

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To,  
Superintending Engineer  
AIIMS, RISHIKESH  
RISHIKESH-

Dear Sir,

Sub: **Declaration by Authorised Signatory**

Ref: i) NIT/Title of the work. Name of Tender No.....  
ii) All other pertinent issues till date

I/We hereby certify that all the information and data furnished by me with regard to the above Tender Specification are true and complete to the best of my knowledge. I have gone through the specifications, condition, stipulations and other pertinent issues till date, and agree to comply with the requirements and Intent of the specification.

I further certify that I am authorized to represent on behalf of my company/firm for the above-mentioned tender and a valid Power of Attorney/Authorization letter to this effect is also enclosed.

Yours faithfully,

(Signature, Date & Seal of Authorized  
Signatory of the Bidder)

Date:

Enclosed: Power of Attorney/Authorization letter

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## Annexure -3

### DECLARATION CONFIRMING KNOWLEDGE ABOUT SITE CONDITIONS (To be typed submitted in the letter Head of the Company/firm of Bidder)

To,  
Superintending Engineer  
AIIMS, RISHIKESH  
RISHIKESH-

Dear Sir,

Sub: **Declaration confirming knowledge about Site conditions**

Ref: i) NIT/Tender No. ....  
ii) All other pertinent issues till date

I/We \_\_\_\_\_ hereby declare and confirm that we have visited the site as referred in AIIMS Tender Specifications and acquired full knowledge and information about the site conditions including Wage structure, Industrial Climate, the Law & Order and other conditions prevalent at and around the site. We further confirm that the above information is true and correct and we shall not raise any claim of any nature due to lack of knowledge of Site conditions.

I/We, hereby offer to carry out works as detailed in above-mentioned Tender Specification, in accordance with Terms & Conditions thereof.

Yours faithfully,

(Signature, Date & Seal of Authorized  
Representative of the Bidder)

Date:  
Place

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## Annexure -4

### NO DEVIATION CERTIFICATE

(To be typed submitted in the letter Head of the Company/firm of Bidder)

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To,  
Superintending Engineer  
AIIMS, RISHIKESH  
RISHIKESH-

Dear Sir,

Sub: **No deviation certificate**

Ref: i) NIT/Tender No.....  
ii) All other pertinent issues till date

We hereby confirm that we have not changed/modified/materially altered any of the tender documents as downloaded from the website/issued by AIIMS and in case of such observance at any stage, it shall be treated as null and void and this tender shall deemed to be withdrawn.

We also hereby confirm that we have neither set any Terms and Conditions and nor have we taken any deviation from the Tender conditions together with other references applicable for the above referred NIT/Tender Specification.

We further confirm our unqualified acceptance to all Terms and conditions, unqualified compliance to Tender Conditions, Integrity Pact (if applicable) and acceptance to Reverse bidding process.

We confirm to have submitted offer in accordance with tender instructions and as per aforesaid reference.

Thanking you,

Yours faithfully,

(Signature, Date & Seal of Authorized  
Signatory of the Bidder)

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## Annexure -5

### DECLARATION

(TO BE TYPED ON NON-JUDICIAL STAMP PAPER OF RS. 10/-)

To,  
Superintending Engineer  
AIIMS, RISHIKESH  
RISHIKESH-

Ref: 1) NIT/Tender No. \_\_\_\_\_

Dear Sir,

1. We have carefully read and understood all the terms and conditions of the tender and hereby convey our acceptance to the same.
2. The information / documents furnished along with the above offer are true and authentic to the best of my knowledge and belief. We are well aware of the fact that furnishing of any false information / fabricated document would lead to rejection of our tender/Order at any stage besides liabilities towards prosecution under appropriate law.
3. We are agree to bear penalty imposed upon us due to nonperformance or deficiencies or delay in work or poor workmanship in the services on our part.
4. We have no objection, if enquiries are made about the work listed by us.
5. We have not been under suspension/termination/banned/blacklisted in the preceding 2 years, till last date of submission of bid, by any PSU/Govt. Departments/PSU Banks/AIIMS or any other organization where we have worked. Further, if any of the partners/directors of our organization /firm is black listed or having any criminal case against them, our bid/offer shall not be considered. At any later point of time, if this information is found to be false, AIIMS may terminate the assigned contract immediately.
6. We have not been found guilty by a court of law in India for fraud, dishonesty or moral turpitude.
7. We agree that the decision of AIIMS in selection of Bidders will be final and binding to us.

Signature of authorized person  
Full Name & Designation

Company's Seal:

Date:

Place:

1. The above declaration, duly signed and sealed by the authorized signatory of the company, should be enclosed with Technical Bid.
2. The filling of this declaration is mandatory while submitting the tender documents failing which the tender will rejected out rightly.

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**Check List to be checked as per NIT**

S.no.	Information for bidder	Remarks	Refer page no. of submitted bid
1	Notice Inviting Tender (read and duly signed)	Yes/No	
2	Whether three similar works each of value not less than <b>40%</b> of the estimated cost put to the tender <b>OR</b> Two similar works each of value not less than <b>60%</b> of the estimated cost put to Tender <b>OR</b> One similar works each of value not less than <b>80%</b> of the estimated cost put to Tender (details provided)	Yes/No	
3	Documents of annual financial turnover	Yes/No	
4	Profit/ Loss balance sheet duly audited and certified by the chartered accountant	Yes/No	
5	Solvency Certificate of 2.45 Cr. or more	Yes/No	
6	Copies of affidavit for sole proprietorship/ partnership deed / memorandum and article of association along with the details pertaining to the place of registration, principal place of business of the firm etc.	Yes/No	
7	Singed with company seal on each pages of NIT and documents uploaded with bid	Yes/No	
8	Valid electrical contractor license class-I/ A issued by government department	Yes/No	
9	Certificate of registration for GST and acknowledgement of GST return filed upto previous quarter	Yes/No	
10	Copy of ESIC & PFO registration of the Govt. of India/ State Labour Department.	Yes/No	
11	Annexure-1 (duly filled & signed)	Yes/No	
12	Annexure-2 (duly filled & signed)	Yes/No	
13	Annexure-3 (duly filled & signed)	Yes/No	
14	Annexure-4 (duly filled & signed)	Yes/No	
16	Annexure-5 (duly filled & signed)	Yes/No	
17	Annexure - 6 Check list filled (duly filled & signed)	Yes/No	

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## Inventory & Scope of Work

The contactor/ agency has to comprehensively operate & maintenance the following installation-

### SUBHEAD-1

#### SUBHEAD-1 33/11KV SUBSTATION

##### 1.0 33KV Isolator Panel :-2- Nos.

Operation and Comprehensive Maintenance for HT panel board suitable for indoor installation for use on 33KV , 50HZ earthed system having a symmetrical breaking capacity of 750 MVA for 1Sec. at 33KV comprising triple pole Off load isolator. Panel is equipped with following accessories as below:

**Incomer cum Outgoing Isolator Panel shall be comprising of:**

- a. 1No- Manually operated, 33KV isolator, metal clad housing having 630 A TP draw out tyup incorporating mechanical as well as electrical ON/OFF indication.
- b. Voltage Transformer cast Resin type with 3 Numbers 1 phase 3 limbs connected in start dual class 33KV/sqrt 3/110 V/sqrt 3 with draw able type 100 VA burden in line side with primary & secondary fuses with digital Voltmeter (0-33KV) with inbuilt selector switch.
- c. Trip circuit healthy indicator lamp and switch.
- d.1- Set of ON/OFF indication with phase indicating lights.
- e. 220V AC strip Heater with thermostat and isolator to prevent absorption of moisture during winter and monsoon.

##### 2 Battery With Charger 2- nos.

Operation and Comprehensive Maintenance for 430V, 3 phase, 4 wire A.C to 24 V DC 200 AH sealed maintenance free batteries with semiconductor/IGBT (full wave rectifier) with auto manual/ tickle boost facility battery charging unit. The distribution board having 250 Amps DC MCCB as incomer and 12 Nos. 20/ 16A DP MCB's (D.C Duty) as outgoings.

##### 3 33 KV HT panel 6 sections 1-Nos.

Operation and Comprehensive Maintenance for H.T extendable type four sectional panel board suitable for outdoor installation for use on 33 KV 50 C/S earthed system having a symmetrical breaking capacity of 750 MVA for 1 Sec at 33 KV comprising the triple pole SF6/VCB panel equipped with following accessories.

##### 3.1 INCOMER PANEL 2 nos each comprising of :-

a	1-Metal clad housing with truck having 630 A TP integral SF6/VCB 750 MVA with manually /electrically operated mechanism (spring charged motor -230 VAC)
a.	1 set of air insulated bus bar & chamber
b.	1 set of isolating plug and receptacle
c.	1 set of automatic safety shutter
d.	1set of dual core CT's
e.	1 set of breaker control switch (TNC)
B)	CT's
a	Core I 600/300/5A class 5P-10 (15VA ) protection
b	Core II 600/300/5A class1.0 (15VA ) metering
c	HT cable joint box for 3c X 300sq mm aluminium conductor XLPE cable (33KV earthed)
d	3-Nos's P.T'S 33/0.11KV of (100VA) cast resin type
e	1-No tripping coil & closing coil 24 V DC/110 V.A.C.
f	1-set ON/OFF /Trip & circuit healthy and phase indicating lights
g	1-3 element O/C EF & SC relay
h	1-No multi function meter (load management & compatible with PLC/ PC)
i	1-No master trip relay
j	1-No. lockout relay
k	1- No. circuit supervision relay
3.2	<b>OUTGOING PANELS 3 NOS. EACH COMPRISING OF:</b>
a	1-Metal clad housing with truck having 630 A TP integral SF6/VCB 750 MVA with manually /electrically operated mechanism (spring charged motor -230 VAC)
b	1 set of air insulated bus bar
c	1 set of isolating plug and receptacle
d	1 set of automatic safety shutter
e	1- set of breaker control switches (TNC)
f	1set of dual core CT's
g	Core I-125/ 5 class 5P- 10 (15VA)
h	Core II- 125/5 class 1 (15 VA)
i	1- Shunt trip closing coil 24 V DC/110 V.A.C
j	1-33 KV end termination for 3x300 sq. mm. AIXLPE 33 KV cable
k	1-Over current S/C & EF Relay
l	1-No restricted earth fault relay with set of CTS of class 5P 20
m	1-set ON/OFF /Trip & circuit healthy and phase indicating lights
n	1-2 elements auxiliary relay for transformer (WTI with alarm and trip)
o	1-No master trip relay
p	1-No circuit supervision relay

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q	1-set of terminal block with 20% extra terminal for connection with 2.5sq. mm 4 core copper conductor pvc insulated pvc sheathed copper cable from panel to transformer
r	1-trip circuit supervision relay
s	1-3 phase differential relay with set of CTS of class PS on both sides.
t	1-12 No's annunciation window with relays and push buttons
<b>3.3</b>	<b>BUSCOUPLER PANEL 1 no Comprising of</b>
a	1-Metal clad housing with truck having 630 A TP integral SF6/VCB 750 MVA with manually / electrically operated mechanism (spring charged motor -230 VAC)
b	1 set of air insulated bus bar & chamber
c	1 set of isolating plug and receptacle
d	1 set of automatic safety shutter
e	1 set of breaker control switch (TNC)
f	HT cable joint box for 3c x 300sq mm aluminum conductor XLPE cable (33KV earthed)
g	1-No tripping coil & closing coil 24V DC / 110 V.A.C
i	1-set ON/OFF/Trip & Circuit healthy and phase indicating lights
j	1-3 element O/C EF & SC relay
k	1-No master tri relay
l	1-No lockout relay
m	1-No Circuit supervision relay
<b>4</b>	<b>33/11KV Transformers :- 3 Nos.</b>
	Operation and Comprehensive Maintenance for 6000KVA 33000/ 11000 volts Delta/Star, vector group DYN11, indoor mounting , oil cooled, ONAN transformer with On load Tap Changers (OLTC) having AVS relay and RTCC for automatic sensing of incoming voltage, automatic operation of OLTC and facility for remote manual operation of OLTC, suitable for incoming voltage variation of +7.5% tp -15 in equal steps of 1.25% to give a constant secondary voltage.
	<b>FITTINGS AND ACCESSORIES</b>
a	Rating plate, roller , plain oil gauge and conservator
b	Drain valve, Filter Valve, Sampling valve with Plug & Earthing terminals
c	Inspecting Cover, Thermometer pocket & lifting lugs
d	Silica gel Breather
e	Pressed steel radiator with shut off valve
f	PRV or explosion Vent, OTI & WTI with alarm trip constants
g	PT for Input & Output voltage measurement and relay sensing
h	Remote metering panel & Marshalling box
i	Double float Buchholz Relay with trip and trip contacts

j	Magnetic Oil level Gauge with alarm Trip Contacts Only
k	33/11kv cable boxes at incoming/ out going
l	Pressure release valve
m	On load Tap changer switch
n	Air Release Plug
o	Detachable cooling radiators fitted with shut off valve
<b>11KV Main Panel 8 sections</b>	
Operation and Comprehensive maintenance for 8 sections 11 KV extensible type, panel board suitable for indoor installation for use on 11 KV 50 c/s Earthed system having a symmetrical breaking capacity of 350 MVA for 1 Sec at 11KV comprising	
A)	<b>Incoming panels 3 No's each comprising of:</b>
a	1- Metal clad housing with truck having 630 A TP integral VCB 350 MVA with manual and electrical operated mechanism (spring charged motor -110 V AC with indication for spring charged & trip circuit healthy
b	1-set of air insulated copper conductor bus bar chamber
c	1-set of isolating plug and receptacle
d	1- set of dual core CT's
e	Core-I 400/5 class 5P -10 ( 10VA)
f	Core-II 400/5A class-1 ( 10VA)
g	1- Flush mounted ammeter, selector switch (built -in)
h	1-H.T. 11 KV end termination suitable for 3 X 300 sq. mm AL . XLPE cable. 11 KV
i	3-No's PT 'S 11/0/11 KV of (250 VA) cast resin type (3 phase 4 wire)
j	1-shunt trip/closing coil-24 V DC
k	1-set of ON/OFF trip & circuit healthy and phase indicating lamps (RYB)
l	1- Voltmeter with selector switch (built -in)
m	1-No combined 3 element O/C & 1 element E/F IDMTL relay
n	1- No tri vector meter (Compatible with PLC/PC)
o	1-Set power factor and frequency meter
<b>B) Outgoing panels 3 Nos. each shall comprising of:</b>	
1-Metal clad housing with truck having 11kVA 630 A TP integral VCB 350 MVA with manual and electrical operated mechanism (spring charged motor-110V AC)	
a	1-set of air insulated copper conductor bus bar chamber
b	3-dual core CT's with rating 400/ 5A (5P 10 class for protection and class 1 for metering)

c	1-shunt trip closing coil 24 V DC
d	1-H.T. 11KV end termination suitable for 3 X 300 sqmm AL XLPE cable 11 KV
e	3-Element IDTML 2 high set over current earth fault relay
f	1-no restricted earth fault relay
g	1-set ON/OFF & Trip indication
h	1-Auxiliary relay for temperature alarm and trip contacts
i	1-No - Ammeter with selector switch (built-in)
j	1-master trip relay
k	1-Set of terminal block with 20% extra connection with 2.5 sq. mm 4-core copper conductor PVC insulated PVC sheathed copper cable from Panel to Transformer
<b>C)</b>	<b>Bus coupler Panel -2 Nos.each comprising of :</b>
a	1-Metal clad housing with truck having 11kVA 630 A TP integral VCB 350 MVA with electrical operated mechanism (spring charged motor-110V AC)
b	1-set of air insulated copper conductor bus bar chamber
c	1-shunt trip closing coil 24 V DC
d	1-H.T. 11KV end termination suitable for 3 X 300 sq. mm AL XLPE cable 11 KV
e	1-set ON/OFF & Trip indication
f	1-Auxiliary relay for temperature alarm and trip contacts
g	1-No - Ammeter with selector switch (built-in)
h	1-Set of terminal block with 20% extra connection with 2.5 sq. mm 4-core copper conductor PVC insulated PVC sheathed copper cable from Panel to Transformer
<b>5</b>	<b>RMU :- 2 Nos.</b>
	Operation and Comprehensive Maintenance for HT extendable indoor plinth mounted type three section ring main units panel suitable for indoor installation for use on 11kv 50 C/S earthed system having a symmetrical breaking capacity of 350 MVA for 1 Sec at 11KV comprising two No's incoming on -load type air break isolators and one no. outgoing triple pole 630 Amps VCB 350 MVA equipped with following accessories.
	Protection Relays (Numerical type) shall have the following Protections enabled at a minimum O/L, S/C, E/F, U/V, O/F, U/F with all three elements , along with watch dog function
	The HT Panel had been provided necessary Aux. contacts, multiply those contacts in the respective panels to hook up in to PLC system
<b>5.1</b>	<b>Out going VCB Panel 1 comprising of</b>

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S.No.	SUBHEAD-2 11KV/433 VOLTS SUBSTATIONS
<b>1</b>	<b>11 KV PANELS INSIDE THE INDIVIDUAL SUB-STATIONS</b>
	Operation and Comprehensive Maintenance for 11KV extensible type Panel Board suitable for indoor installation for use on 11KV 50 C/S earthed system having a symmetrical breaking capacity of 350 MVA for 1 sec AT 11 KV comprising of
<b>A</b>	<b>Incoming panel comprising of</b>
<b>a</b>	1- Metal clad housing with truck having 630 A TP integral VCB 350 MVA with manual and electrical operated mechanism (spring charged motor -110 V AC with indication for spring charged & trip circuit healthy
<b>b</b>	1-set of air insulated copper plug.
<b>c</b>	1-set of isolating plug and receptacle
<b>d</b>	1- set of dual core CT's
<b>e</b>	Core-I 400/5 class 5P -10 ( 10VA)
<b>f</b>	Core-II 400/5A class-1 ( 10VA)
<b>g</b>	1- Flush mounted ammeter, selector switch (built -in)
<b>h</b>	1-H.T. 11 KV end termination suitable for 3 X 300 sq. mm AL. XLPE cable. 11 KV
<b>i</b>	3-No's PT 'S 11/0/11 KV of (250 VA) cast resin type (3 phase 4 wire)
<b>j</b>	1-shunt trip/closing coil-24 V DC
<b>k</b>	1-set of ON/OFF trip & circuit healthy and phase indicating lamps (RYB)
<b>l</b>	1- Voltmeter with selector switch (built -in)
<b>m</b>	1-No combined 3 element O/C & 1 element E/F IDMTL relay
<b>n</b>	1- No tri vector meter (Compatible with PLC/PC)
<b>o</b>	1-Set power factor and frequency meter
<b>B</b>	<b>Outgoing panels each has comprising of:</b>
<b>a</b>	1-Metal clad housing with truck having 11kVA 630 A TP integral VCB 350 MVA with manual and electrical operated mechanism (spring charged motor-110V AC)
<b>b</b>	1-set of air insulated copper conductor bus bar chamber
<b>c</b>	3-dual core CT's with rating 200/ 5A (5P 10 class for protection and class 1 for metering)
<b>d</b>	1-shunt trip closing coil 24 V DC
<b>e</b>	1-H.T. 11KV end termination suitable for 3 X 300 sq.mm. AL XLPE cable 11 KV
<b>f</b>	3-Element IDTML 2 high set over current earth fault relay
<b>g</b>	1-no restricted each fault relay
<b>h</b>	1-set ON/OFF & Trip indication
<b>i</b>	1-Auxiliary relay for temperature alarm and trip contacts
<b>j</b>	1-No - Ammeter with selector switch (built-in)
<b>k</b>	1-3 phase differential relay with set of CTS of class PS on both sides
<b>l</b>	1- Master trip relay
<b>m</b>	1- Set of terminal block with 20% extra terminal connection with 2.5 sq. mm 4-core copper conductor PVC insulated PVC sheathed copper cable from Panel to Transformer



<b>1.1</b>	<b>Electrical Substation 1:- 2 Jobs</b>
<b>a</b>	<b>1 No. Incomers</b>
<b>b</b>	<b>2 Nos. Out going</b>
<b>1.2</b>	<b>Electrical Substation 2:- 1 Job</b>
<b>a</b>	<b>1 No.Incomers</b>
<b>b</b>	<b>2 Nos. Out going</b>
<b>2</b>	<b>11KV /433 V DRY TYPE TRANSFORMERS :- 4 Nos.</b>
<b>2.1</b>	Operation and Comprehensive maintenance for 2.5 MVA copper wound 11 KV/433 Volts, 50 C/S , Delta / star DY-11 connected Dry transformer with off load circuit tap changer minus 10% to plus 5% on HT side in steps of 2.5% complete with all accessories as per specifications including S/F of M.S. Channel including connections etc. at substation no. 1
<b>2.2</b>	Operation and Comprehensive maintenance for 2 Nos. of 2 MVA copper wound 11 KV/433 Volts, 50 C/S , Delta / star DY-11 connected Dry transformer with off load circuit tap changer minus 10% to plus 5% on HT side in steps of 2.5% complete with all accessories as per specifications including S/F of M.S. Channel including connections etc. at substation no. 2
<b>3</b>	<b>L.V. Panels Sub Station 1 :- 1 Set</b>
	Operation and Comprehensive maintenance for LV panels fabricated out of 2 mm thick CRCA sheet in cubicle compartmentalize freestanding floor mounted, dust and vermin proof with reinforcement. LT Panel 1, which comprises as mentioned below.
<b>3.1</b>	<b>Incomer : Transformer</b>
<b>3.1.1</b>	Two (2) Nos. 4000 A, FP EDO type ACB (ICW-65 KA/1 Sec) with microprocessor based O/L, S/C and E/F releases & suitable for Bus termination
<b>3.1.2</b>	Surge protector
<b>3.2</b>	<b>Metering, indication</b>
<b>3.2.1</b>	Multifunction meter (consisting of Voltage, Current, Frequency, PF, kWh, Kva parameter) with Rs- 485 port.
<b>3.2.2</b>	1set of 4000 /5A , CL-1, 15VA measuring CTs.
<b>3.2.3</b>	1 set of 4000/5A, CL-1, 15 VA for APFCR
<b>3.2.4</b>	1 set of phase indicating lamps
<b>3.2.5</b>	1 set of ON/OFF/Trip lamps
<b>3.2.6</b>	1 set of MPCB 65 KA for control Ckt
<b>3.3</b>	<b>ATS</b>
<b>3.3.1</b>	Two (2) Nos. 4000A, FP ATS with bypass facility and complete Neutral overlapping, communication & login as installed.
<b>3.3.2</b>	Two (2) nos. 4000 A, FP EDO type ACB (ICW-65 KA/1 Sec with microprocessor based O/L , S/C and E/F release.
<b>3.4</b>	<b>Metering, indication</b>
<b>3.4.1</b>	1 set of ON/OFF/Trip lamps
<b>3.4.2</b>	1 set of MPCB 65 KA for control Ckt
<b>3.5</b>	<b>Bus Coupler</b>
<b>3.5.1</b>	One (1) Nos. 4000A, FP EDO type ACB (ICW-65 KA/1 Sec) with microprocessor based O/L, S/C and E/F release
<b>3.6</b>	<b>Metering, indication</b>

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3.6.1	1 set of ON/OFF/Trip lamps
3.6.2	1 set of MPCB 65 KA for control Ckt
3.6.3	Bus Coupler & 2 no. Incomer shall be mechanically interlocked
3.7	<b>Bus Bar</b>
3.7.1	5000A , TPN copper Bus bar of suitable length to withstand fault current 65 KA for 1 sec
3.8	<b>Outgoings:</b>
3.8.1	Two (2) Nos. 1600 A, TP+ N MDO type ACB (ICW-65 KA/1 Sec) with microprocessor based O/L, S/C and E/F release.
3.8.2	Thirty one (31) Nos. 400 A, TPN MCCB (50 KA) with microprocessor based O/L, S/C and E/F release.
3.8.3	Seven (7) Nos. 250 A, TPN MCCB (50KA) with microprocessor based O/L, S/C and E/F release.
3.8.4	All outgoing (except capacitor feeder) with Energy Analyzer- EM 6436 with port or equivalent & ON/OFF/TRIP Lamps.
4	<b>Operation and Comprehensive maintenance for LT Panel 2 which comprises as mentioned below</b>
4.1	<b>Incomer : Transformer</b>
4.1.1	Two (2) Nos. 4000 A, FP EDO type ACB (ICW-65 KA/1 Sec) with microprocessor based O/L, S/C and E/F releases & suitable for Bus termination
4.1.2	Surge protector of suitable capacity before each incomer ACB
4.1.3	<b>Metering, indication</b>
4.1.4	Multifunction meter (consisting of Voltage, Current, Frequency, PF, kWh, Kva parameter) with Rs- 485 port. EM 6400 or Equivalent
4.1.5	2set of 4000 /5A , CL-1, 15VA measuring CTs.
4.1.6	2 set of 4000/5A, CL-1, 15 VA for APFCR
4.1.7	2 set of phase indicating lamps
4.1.8	2 set of ON/OFF/Trip lamps
4.1.9	2 set of MPCB 65 KA for control Ckt
4.2	<b>ATS</b>
4.2.1	one (1) Nos. 4000A, FP ATS with bypass facility and complete Neutral overlapping, communication & login as installed
4.2.2	One (1) nos. 4000 A, FP EDO type ACB (ICW-65 KA/1 Sec with microprocessor based O/L, S/C and E/F release.
4.2.3	<b>Metering, indication</b>
4.2.4	1 set of ON/OFF/Trip lamps
4.2.5	1 set of MPCB 65 KA for control Ckt
4.3	<b>Bus Coupler</b>
4.3.1	One (1) Nos. 4000A, FP EDO type ACB (ICW-65 KA/1 Sec) with microprocessor based O/L, S/C and E/F release
4.3.2	<b>Metering, indication</b>
4.3.3	1 set of ON/OFF/Trip lamps
4.3.4	1 set of MPCB 65 KA for control Ckt
4.3.5	Bus Coupler & 2 no. Incomer shall be mechanically interlocked

4.4	<b>Bus Bar</b>
4.4.1	5000A , TPN copper Bus bar of suitable length to withstand fault current 65 KA for 1 sec
4.5	<b>Outgoings:</b>
4.5.1	one (1) Nos. 3200 A, TP+ N EDO type ACB (ICW-65 KA/1 Sec) with microprocessor based O/L, S/C and E/F release.
4.5.2	Two (2) Nos. 2000 A, TP+N EDO type ACB (ICW-65 KA/1 Sec) with microprocessor based O/L, S/C and E/F release.
4.5.3	Two (2) Nos. 1600 A, TP+N MDO type ACB (ICW-65 KA/1 Sec) with microprocessor based O/L, S/C and E/F release.
4.5.4	Six (6) Nos. 800 A, TP+N EDO type ACB (ICW-65 KA/1 Sec) with microprocessor based O/L, S/C and E/F release.
4.5.5	Two (2) Nos. 400A, FP MCCB (ICS-65 KA) with microprocessor based O/L, S/C and E/F release.
4.5.6	All outgoing (except capacitor feeder ) with Energy Analyzer-EM 6436 with port or equivalent & ON/OFF/TRIP Lamps.
5	<b>DG PANEL:</b>
5.1	<b>Incomer:</b>
5.1.1	Four (4) Nos. 3200 A, TP EDO type ACB (ICW-65 KA/1 Sec) with microprocessor based O/L, S/C and E/F release.
5.1.2	<b>Metering, indication &amp; Protection:</b>
5.1.3	Malfunction meter (consisting of Voltage, Current, Frequency, PF, kWh, Kva parameter) with RS-485 port.EM 6400 or Equivalent
5.1.4	1 Set of 3200/5A , CL-1, 15VA measuring Cts.
5.1.5	1 set of phase indicating lamps
5.1.6	1 set of ON/OFF/Trip Lamps
5.1.7	1 set of MPCB 65 KA for control Ckt
5.2	<b>Protection</b>
5.2.1	Four (4) Nos. Differential protection relay (87) with Class PS protection Cts.
5.2.2	four (4) Nos.Engine Control relay-CP-32
5.3	<b>Bus Coupler</b>
5.3.1	Three (3) Nos. 3200A, FP EDO type ACB (ICW-65 KA/1 Sec) with microprocessor based O/L, S/C and E/F release
5.4	<b>PLC for synchronization of DG'S &amp; load management</b>
5.4.1	<b>Hardware</b>
5.4.2	Synchronization Module (for each DG)
5.4.3	PLC CPW
5.4.4	32 digital inputs & 32 digital outputs
5.4.5	Mod Bus communication system
5.4.6	Aux control relay
5.4.7	Hooter
5.4.8	Selector switch
5.4.9	Push Buttons
5.4.10	Indicating Lights
5.4.11	UPS 2 KVA

5.4.12	Battery Charger
5.4.13	DC Ammeter
5.4.14	DC Voltmeter
5.4.15	PC- PIV
5.4.16	Printer
5.4.17	<b>Software</b>
5.4.18	PC based SCADA Software for controlling & Monitoring DG set operations
5.4.19	<b>Metering and Indication</b>
5.4.20	1 set of ON/OFF/Trip lamps
5.4.21	1 set of MPCB 65 KA for control Ckt.
5.4.22	All incomer & Bus coupler shall be electrically interlocked
5.4.23	<b>Bus Bar:</b>
5.4.24	5000A, TPN aluminum Bus bar of suitable length to withstand fault current 65 KA for 1 sec
5.4.25	<b>Outgoings:</b>
5.4.26	Three (3) Nos. 3200 A, FP EDO type ACB (ICW-65 KA/1 Sec) with microprocessor based O/L, S/C and E/F release.
5.4.27	All outgoings with Energy Analyzer-EM 6436 with port or equivalent & ON/OFF/TRIP Lamps.
5.4.28	1 set of MPCB 65 KA for control Ckt
<b>6</b>	<b>Operation and Comprehensive maintenance for 4 Sets of APFC CAPACITOR PANEL- 800 KVAR which comprises as following</b>
<b>6.1</b>	<b>Incoming:</b>
6.1.1	One (1) Nos. 1600 A, TP MDO type ACB (ICW-50 KA/1 Sec ) with microprocessor based O/L, S/C and E/F release with adjustable setting having
6.1.2	1. no power factor digital meter 1 no. APFC relay suitable for sequential operation of 12Capacitor banks
6.1.3	24 V DC shunt trip coil -1 set
6.1.4	Breaker control switch -1 set
6.1.5	Three phase under voltage relay -1 set
6.1.6	Three phase over voltage relay-1 set
6.1.7	1 set ON/OFF Push Button with 2 A SP MCB 10KA
6.1.8	One set of IDMT relay (3 phase over current + earth fault) or equivalent
6.1.9	1 no. digital ammeter with selector switch and 3 nos. 1600 /5A CT's
6.1.10	One set of breaker ON/OFF / Trip indicating lights with control MCB'S
6.1.11	One set of R, Y, B phase indicating light (LED type) with 2 A SP MCB, 10 kA
<b>6.2</b>	<b>Bus Bar</b>
6.2.1	2000A , TPN Copper Bus bar of suitable length to withstand fault current of 50KA for 1 sec
<b>6.3</b>	<b>Outgoings:</b>
6.3.1	4x 100 KVAR Lt power capacitor banks with 4 nos. 100 KVAR 5.67% D tuned harmonic block reactor and TSM (Thyristor Switch Module)
6.3.2	8x50 KVAR Lt power capacitor banks with 8 nos. 50 KVAR 5.67% D tuned harmonic block reactor and TSM (Thyristor Switch Module)
6.3.3	4 nos. 250A TP MCCB 50 kA, microprocessor controlled
6.3.4	8 nos. 125 A TP MCCB 50 KA, microprocessor controlled
6.3.5	Each capacitor bank must have 1 set of on /off indication LED type.
<b>7</b>	<b>L.V. Panels- Substation 2</b>
<b>7.1</b>	<b>Operation and Comprehensive maintenance for 1 Set of LT Panel 1 which is comprise as following:</b>

7.1.1	Incomer : Transformer
7.1.2	Two (2) Nos. 3200 A, FP EDO type ACB (ICW-65 KA/1 Sec) with microprocessor based O/L, S/C and E/F releases
7.1.3	Surge protector of suitable capacity before each incomer ACB
7.2	<b>Metering, indication</b>
7.2.1	Multifunction meter (consisting of Voltage, Current, Frequency, PF, KVA parameter) with Rs-485 port.
7.2.2	1set of 3200 /5A , CL-1, 15VA measuring CTs.
7.2.3	1 set of 3200/5A, CL-1, 15 VA for APFCR
7.2.4	1 set of phase indicating lamps
7.2.5	1 set of ON/OFF/Trip lamps
7.2.6	1 set of MPCB 65 KA for control Ckt
7.3	<b>ATS</b>
7.3.1	Two (2) Nos. 3200A, FP ATS with bypass facility and complete Neutral overlapping, communication & login.
7.3.2	Two (2) nos. 3200 A, FP EDO type ACB (ICW-65 KA/1 Sec with microprocessor based O/L, S/C and E/F release.
7.4	<b>Metering, indication</b>
7.4.1	1 set of ON/OFF/Trip lamps
7.4.2	1 set of MPCB 65 KA for control Ckt
7.5	<b>Bus Coupler</b>
7.5.1	One (1) Nos. 3200A, FP EDO type ACB (ICW-65 KA/1 Sec) with microprocessor based O/L, S/C and E/F release
7.5.2	<b>Metering, indication</b>
7.5.3	1 set of ON/OFF/Trip lamps
7.5.4	1 set of MPCB 65 KA for control Ckt
7.5.5	Bus Coupler & 2 no. Incomer shall be mechanically interlocked
7.6	<b>Bus Bar</b>
7.6.1	5000A , TPN copper Bus bar of suitable length to withstand fault current 65 KA for 1 sec
7.6.2	<b>Outgoings:</b>
7.6.3	Two (2) Nos. 1250 A, TP+ N MDO type ACB (ICW-65 KA/1 Sec) with microprocessor based O/L, S/C and E/F release.
7.6.4	Three (3) Nos. 800 A, TP+N MDO type ACB (ICW-65 KA/1 Sec) with microprocessor based O/L, S/C and E/F release. (2 nos. for UPS , one spare)
7.6.5	Six (6) Nos. 630 A, TP+N MCCB (65KA) with microprocessor based O/L, S/C releases.
8	<b>Operation and Comprehensive maintenance for 1 set of DG PANEL which comprises following:</b>
8.1	<b>Incomer:</b>
8.1.1	Two (2) Nos. 3200 A, TP EDO type ACB (ICW-65 KA/1 Sec) with microprocessor based O/L, S/C and E/F releases and suitable for Bus duct termination
8.1.2	Two(2) nos. 450 A, TP NIC Contractor - AC1 duty
8.1.3	<b>Metering, indication &amp; Protection:</b>

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8.1.4	Malfunction meter (consisting of Voltage, Current, Frequency, PF, kWh, Kva parameter) with RS-485 port. EM 6400 or Equivalent
8.1.5	1 Set of 3200/5A , CL-1, 15VA measuring Cts.
8.1.6	1 set of phase indicating lamps
8.1.7	1 set of ON/OFF/Trip Lamps
8.1.8	1 set of MPCB 65 KA for control Ckt
8.1.9	<b>Protection</b>
8.1.10	Three (3) Nos. Differential protection relay (87) with Class PS protection Cts.
8.1.11	Three (3) Nos.Engine Control relay-GCP-32
8.2	<b>Operation and Comprehensive maintenance PLC for synchronization of DG'S &amp; load management</b>
8.2.1	<b>Hardware</b>
8.2.2	Synchronization Module (for each DG)
8.2.3	PLC CPW
8.2.4	32 digital inputs & 32 digital outputs
8.2.5	Mod Bus communication system
8.2.6	Aux control relay
8.2.7	Hooter
8.2.8	Selector switch
8.2.9	Push Buttons
8.2.10	Indicating Lights
8.2.11	UPS 2 KVA
8.2.12	Battery Charger
8.2.13	DC Ammeter
8.2.14	DC Voltmeter
8.2.15	PC- PIV
8.2.16	Printer
8.2.17	<b>Software</b>
8.2.18	PC based SCADA Software for controlling & Monitoring DG set operations
8.2.19	<b>Bus coupler:</b>
8.2.20	One (1) Nos. 3200 A, FP EDO type ACB (ICW-65 kA/1 sec) with microprocessor based O/L, S/C and E/F releases.
8.2.21	<b>Metering and Indication</b>
8.2.22	1 set of ON/OFF/Trip lamps
8.2.23	1 set of MPCB 65 KA for control Ckt.
8.2.24	All incomer & Bus coupler shall be electrically interlocked
8.2.25	<b>Bus Bar:</b>
8.2.26	4000A, TPN copper Bus bar of suitable length to withstand fault current 65 KA for 1 sec
8.2.27	<b>Outgoings:</b>
8.2.28	Two (2) Nos. 3200 A, FP EDO type ACB (ICW-65 KA/1 Sec) with microprocessor based O/L, S/C and E/F releases.
8.2.29	All outgoings with Energy Analyzer-EM 6436 with port or equivalent & ON/OFF/TRIP Lamps.

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8.2.30	1 set of MPCB 65 KA for control Ckt.
<b>9</b>	<b>Operation and Comprehensive maintenance for 2 Sets of APFC CAPACITOR PANEL 600 KVAR which comprises following:</b>
9.1	<b>Incoming</b>
9.1.1	One (1) Nos. 1250 A, TP MDO type ACB (ICW-50 KA/1 Sec ) with microprocessor based O/L, S/C and E/F release with adjustable setting having
9.1.2	1. no power factor digital meter 1 no. APFC relay suitable for sequential operation of 12Capacitor banks
9.1.3	24 V DC shunt trip coil -1 set
9.1.4	Breaker control switch -1 set
9.1.5	Three phase under voltage relay -1 set
9.1.6	Three phase over voltage relay-1 set
9.1.7	1 set ON/OFF Push Button with 2 A SP MCB 10KA
9.1.8	One set of IDMT relay (3 phase over current + earth fault) or equivalent
9.1.9	1 no. digital ammeter with selector switch and 3 nos. 1250 /5A CT's
9.1.10	One set of breaker ON/OFF / Trip indicating lights with control MCB'S
9.1.11	One set of R, Y, B phase indicating light (LED type) with 2 A SP MCB, 10 kA
9.1.12	<b>Bus Bar</b>
9.1.13	1600A , TPN Copper Bus bar of suitable length to withstand fault current of 50KA for 1 sec
9.1.14	<b>Outgoings:</b>
9.1.15	12x 50 KVAR Lt power capacitor banks with 12 nos. 100 KVAR 5.67% D tuned harmonic block reactor and TSM (Thyristor Switch Module)
9.1.16	Each capacitor bank must have 1 set of on /off indication LED type.
<b>10</b>	<b>SCADA SYSTEM :- 1 Set</b>
10.1	Operation and Comprehensive maintenance for SCADA system for monitoring, data logging of all electrical parameters of 33KV/11KV substation 2 nos. 11KV/415 substation along with HT panel, Transformer, LT panel , DG sets, UPS system , Incoming and Outgoing switches.
10.2	The system is in electrical substation I and linked with 33KV substation and substation II by fiber optic cabling
10.3	Operation and Comprehensive maintenance , software, accessories cabling, PLC , I/O modules Computer monitor , CPU, Printer etc. for effective working and data logging of SCADA SYSTEM complete .

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	SUBHEAD -3      D.G.SETS
Sr. No.	Description
1	<p><b>OPERATION &amp; COMPREHENSIVE MAINTENANCE OF DG SETS: 6 set</b>            Operation and Comprehensive maintenance for 4 Nos. DG sets installed in substation -1 and 2 Nos. DG set installed in Substation no. 2            Operation and maintenance of water cooled type Diesel Generating Set having prime power rating of 2000 KVA, 415 Volts 1500 RPM, 0.8 lagging power factor, 50HZ, 3 Phase , 0.85 load factor and consisting of the followings:</p> <p><b>a). Diesel Engine:</b>            Cooling tower cooled, 4 stroke , of suitable BHP at 1500 RPM suitable for the above output of alternator at 40 Degree C, 50% RH and at 1000 meter MSL and conforming to BS 5514, BS 649 AND IS 10000, capable for taking 10% overload for one hour after 12 hours continuous operation.</p>
	<p><b>b) Engine mounted instrument panel fitted with and having digital display for following:</b>            Water temperature indication            Lubrication oil pressure indication            Lubrication oil temp, indication            Battery charger indication            RPM indication            Over speed indication            Lubrication oil trip indication            Engine hours indication</p>
	<p><b>c) Alternator:</b>            Synchronous alternator rated at 2000 KVA 415Volts, 1500 RPM 3 phase 50 HZ AC supply with C.8 lagging PF at 40 Degree C, 50% RH and at 1000 meter MSL. The alternator shall be brushless, separately excited, self-regulated through AVR, class H insulation, continuous duty , IP 23 enclosure, Voltage regulation :+/- 0.5% , suitable for tropical conditions.</p>
	<p><b>d) Base Frame and Foundation:</b>            Both engine and alternator shall be mounted on suitable base frame made of MS channel with necessary reinforcement, which shall be installed on suitable cement concrete foundation and vibration isolation arrangement as per recommendation of the manufacturer.</p>
	<p><b>e) Fuel Tank:</b>            Daily service fuel tank of 990 liters capacity: -            Maintenance of day fuel tank: - painting as per existing code, repairing, and maintenance if leaking.</p>
	<p><b>f) Exhaust System:</b>            Dry Exhaust manifold with hospital exhaust silencer and catalytic converter.</p>
	<p><b>G) Starting System:</b></p>

**h) Cooling towers with plumbing pumps :-**

Operation and Comprehensive maintenance of cooling tower nominal capacity 200TR for each DG set with necessary plumbing ,pressure gauges, temp gauges as required and changed by new one if damaged by any reason.

**i) AMF Control Panel:** Operation and Comprehensive maintenance of AMF control panel suitable for 2000 KVA DG Set , complete with relays , timers , set of CTs for metering and protection and energy analyzer to indicate currents, phase and line voltages, frequency, power factor, KWH, KVARH, and provision for overload, short circuit, restricted earth fault, under frequency protection, control cabling from AMF panel to diesel engine and elsewhere, if required, all complete and inter locking including the following:

- (i). 3200 amp 4 pole EDO ACB , 65 KA  
With O/C,/E/F release, microprocessor control.
- (ii) Auto/ Manual/ Test selector switch OVER volt/ under volt/ reverse power relays.
- (iii). 3 sets CTs
- (iv). Energy Analyzer
- (v). Indicating lamps: for Load on mains  
or Load on DG set
- (vi). Fuse for instruments
- (vii). Battery charger with selector  
switch for trickle/ off/ boost and current adjustment
- (viii). Main supply failure monitor.

- ix. Supply failure timer
- x. Restoration timer.
- xi. Control unit with three impulse automatic engine start/ stop and failure to start lock out.
- Xii. Impulse counter with locking and reset facility.
- xiii. On/ off control circuit switch with indicator.
- xiv. Audio/ Video annunciation for: high water temperature low lube oil pressure engine over speed engine fails to start full load/ maximum load warning

**DG VENTILATION**

Operation and Comprehensive maintenance of ventilation for each 2000 KVA DG with set, (50,000 CFM per DG Set or as per manufactures requirement) with necessary blower/ equipment ducts etc. as required

A) Substation I: 4 DG Sets

B) Substation II: 2 DG Sets

**MAINTENANCE OF EXHAUST PIPE AND CHIMNEY:**

Maintenance of Exhaust Pipe/ Chimney with MS pipe B including, supports, bends, flexible joints etc. Chimney height 30 meters with 75mm thick Rockwool slabs (96 kg/ Cu. Meter density) and cladded with 24 swg aluminum sheet and stainless steel.

4	<b>MAINTENANCE OF EXHAUST CHIMNEY STRUCTURE;</b> maintenance for exhaust chimneys/pipes made of structural channels/ angles etc.
5	<b>DG ROOM ACCOUSTIC TREATMENT ;</b> A)Maintenance for DG Acoustic in DG room at SS-1, SS-2
6	<b>ELECTRICAL PANELS AND ASSOCIATED CABLING FOR DG SETS:</b> <b>Operation and Comprehensive maintenance of cubicle panel/panels with incoming and outgoing MCCBs to feed the following loads: All cooling tower fans</b> All cooling tower pump sets All ventilation fans/blowers. Battery charger Bulk: oil handling: all pumps. Any other load connected with DG sets Installation. This includes comprehensive maintenance for power supply to include cubicle panels and their location. Incomer and outgoing will be MCCBs. This includes provision of star-delta/DOL starter as required with single phasing preventer, ammeter /voltmeter with selector switch, on/off/indication lamps, for each incoming/outgoing circuits. This includes cabling upto each pump/motor/ PLC etc. A)Substation I : 1 job: B) Substation II: 1job
7	<b>BULK OIL STORAGE AND TRANSFER SYSTEM</b> Maintenance of MS Tank 30KL/ 15KL capacity. The maintenance will include civil mechanical work as per CPWD manual. The rate shall include connected civil works like excavation, suitable foundation, erection on foundation with foundation bolts, sand fill, disposal of surplus earth, levelling the ground, GI post /grill fencing with lockable gate 1.8 meter high, providing required fire extinguishers/ fire buckets. i. operation and Comprehensive maintenance of fuel transfer pump (2nos.) to include one stand by from bulk storage tank to the buffer tank (inside Dg Room) , coupled to flameproof motor. This will have facility for auto pumping to Buffer tank, with level controllers for auto switch on and auto switch off the pump. ii. Maintenance of Buffer tank 990 liters capacity made of 3 mm thick MS sheet, with required fittings, breather, and level switches for auto pumping, oil level indicator, complete in all respect in clouding supports. iii. Maintenance for Necessary facility / plumbing for connection of tank to the Diesel tanker, adapter, valve, sump tank/ pumps as required. iv. maintenance of oil piping with C class MS piping incl bends, supports, clamps, laying in trench, surface, drain pipes butterfly valves/ check valves/Y strainers/ ball valves/ pressure gauges/ over flow drainage pumps , full plumbing for supply v. oil flow meter for each tank vi. Filtration kit for each tank vii. Electrical panels/ cabling A) 30KL capacity substation I: B)15KL capacity substation II:

**OPERATION AND COMPREHENSIVE MAINTENANCE OF MAKE UP WATER TANK FOR COOLING TOWERS WITH PLUMBING:**

8 **Operation** and Comprehensive maintenance of 20KL make up water tank for substation I and 10KL make up water tank for substation II with required plumbing to the cooling towers with B class MS pipe of required sizes as per approved designs, complete with bends, supports, valves etc. as required. The tank shall be heavy-duty type of approved make. The tank will be made 2 halves of equal size with interconnection and isolating valve. It will have inlet connection with solenoid control valve, with electronic level switch with high and low levels for auto filling and switch off water supply to the tank. Electronic water level indicator will be provided with microprocessor controlled panel with 2 nos. pump sets (one as stand by) for auto filing of the Tank this includes civil works connected with erection

A) 30 KL Tank At substation I:

B) 10KL Tank At substation II:

**OPERATION AND COMPREHENSIVE MAINTENANCE OF OZONE GENERATOR AND INJECTION SYSTEM FOR COOLING TOWERS:**

9 Operation and Comprehensive maintenance of ozone generators and injection system for cooling towers capable of delivering 100 gm/ hr (for Substation -I) and 50 gm/ hr (for Substation II ) comprising the following and as per detailed specifications:

1 no PLC based control with switch mode power supply, relay board , HT transformer, DOL controller for pumps with necessary switchgear for smooth operation of the plant

1 no. air compressor of suitable capacity

1 no. oxygen plant.

1 no Oxone electrode of suitable capacity

1 no. hermetic reciprocating air cooled water chiller

1 no. chiller pump for electrode cooling

1 no recirculation pump for compressor cooling

1 no booster pump

1 no liquid jet compressor

1 set non-return valve

1 set needle valve 2 nos rotary flow meter

1 set pressure indicator

1 set solenoid valve

1 set water pressure switch ,1 set oxygen pressure switch, 1 no Air filter ,1 no. air filter - mist separator 1 no oxidation reduction potential Transmitter civil works including foundation, electrical panels , switch gear, cabling, connections. The maintenance includes all plumbing items, pipes, valves etc.

A) Substation I : 100 gm/hr Ozone System:

B) Substation II: 50 mg/ hr Ozone System:

**NOTE:**

**This comprehensive operation and maintenance contract also cover the maintenance of auxiliary etc.**

**The Maintenance work will be executed as per OEM.**

**Any item/items left out of the BOQ but required for operation and maintenance will be executed without additional cost.**

**The malfunctioning spare and machine will be replaced within 24 hrs. of noticing the fault.**



**SUBHEAD -3 A D.G.SETS****DG SET :- Silent Type Diesel Generating-1 set**

Operation and Comprehensive maintenance Silent Type Diesel Generating set along with having Prime Power Rating of 2250 KVA, 415 volts at 1500 RPM, 0.8 lagging power factor at 415 V suitable for 50 Hz, 3 phase system & for 0.85 Load Factor and consisting of the followings: -

A) Diesel engine: - Diesel engine 4 stroke radiator cooled, electric start, of suitable BHP at 1500 RPM suitable for above output of alternator at 50 Degree C, 95% RH & at 1000 Meter MSL and conforming to BS 5514, BS 649, IS 10000.

B) Alternator: - Synchronous alternator rated at 2250 KVA, 415 volts at 1500 RPM, 3 phase 50 Hz, AC supply with 0.8 lagging power factor at 50 Degree C, 95% RH & at 1000 Meter MSL. The alternator shall be having SPDP enclosure, brushless, continuous duty, self-excited and self-regulated through AVR conforming to IS: 4722/BS 2613 suitable for tropical conditions and with class- H insulation.

(a) Fuel tank 990 Ltrs. (Outside Enclosure)

(b) Batteries.

(c) AVM Pads

(d) Silencer.

(e) Radiator

PANELSYSTEM:- 1 set

Operation and Comprehensive maintenance of PCC3.3 BASED AUTO SYNC, AUTO LOAD SHARING PANEL SUITABLE FOR 2X 2250 KVA DG SETS

MAINTENANCE OF EXHAUST PIPE AND CHIMNEY : 1 set

Maintenance of Exhaust Pipe/ Chimney with MS pipe B including , supports, bends, flexible joints etc. Chimney height 30 meters with 75mm thick Rockwool slabs (96 kg/ Cu. Meter density) and cladded with 24 swg aluminum sheet and stainless steel.

MAINTENANCE OF EXHAUST CHIMNEY STRUCTURE; 1set

maintenance for exhaust chimneys/pipes made of structural channels/ angles etc .

**NOTE:**

This comprehensive operation and maintenance contract also cover the maintenance of auxiliary etc.

2 . The Maintenance work will be executed as per OEM.

3. Any item/items left out of the BOQ but required for operation and maintenance will be executed without additional cost.

(i) if any consumable or non-consumable item, equipment and machinery needs to replace before its safe working life period in such a situation contractor had to submit a certificate issued by OEM.

(iii) The malfunctioning spare and machine will be replaced within 24 hrs of noticing the fault.

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## SUBHEAD-4

## UPS

## S.No. DESCRIPTION

- 1 Operation and Comprehensive maintenance for microprocessor based 5 set, 2 X 300 KVA at 0.8 power factor True Online double conversion UPS using PWM IGBT technology. 3 phase input 430 volt + 10% - 15% and input frequency 50 Hertz plus minus 5%, 3 phase output fixed setting at 380, 415 and 430 V UPS operating in parallel and each comprising of the following
- a 125% rated rectifier cum charger unit + 100% rated inverter integrated in UPS module
- b Anti harmonic filter at rectifier input for achieving THD<5% and input power factor of greater than 0.9
- c 100% rated inbuilt Galvanic isolation transformer of H-class delta/ Zigzag type at the inverter output
- d 100% rated in built static switch at the inverter output
- e 100% rated inbuilt static switch at the static bypass line
- f 100% rated inbuilt Maintenance Bypass
- g 100% rated Molded case circuit breaker having I Thermal, magnetic and automatic U/V trip mechanics
- h Web-enabled monitoring and management through SNMP protocols for multi-OS environment
- i RS232 /RS 486 BMS connectivity with software
- j Built -in circulating fan 4500 CFM
- k Maintenance for sealed Valve Regulated Lead Acid batteries (minimum life 10 years ) for 2 X 300 KVA UPS system, for providing 30 minutes back up to each 300KVA UPS. Each bank of batteries shall comprise of battery: SMF 2V X 440 AH 204 nos. one sets/ for each UPS to provide 30 minutes backup) with following
- (l) maintenance for matching racks to house batteries for 2X 300 KVA UPS system for 30 minutes backup along with interconnecting links, BDB etc. as required.
- 2 **Operation and Comprehensive maintenance for UPS Incoming/ Outgoing LT panels which comprises as following**
- Each 2 X 300 KVA UPS shall be provided with following Incoming and outgoing electrical panel as below:
- a INCOMING : Cubicles, LT panel:- 5 nos  
800AMP Manual draw out type 50KA TP ACB 1 No  
1000 AMP Copper Bus bars insulated  
630 AMP 3 pole MCCB, 50KA-5 Nos.
- b OUTGOING: Cubicle LT panel 5 Nos.  
500 Amp TPN MCCB:- 50 KA-2 Nos.  
630 AMP Auto Transfer switch  
800 amp- Copper Bus bars insulated  
6 Nos:- 160 A 50 KA TPN MCCB  
Each ACB/ MCCB with O/L, E/F, SC release  
digital Multi-functional meter for display current volt, frequency
- NOTES:**
- i) 4 set. UPS installed at Substation -I and 1 set no. on Substation no. II

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**SUBHEAD-5****SUBHEAD-5****BUS DUCTING**

S.No.	DESCRIPTION	Qty.	Unit
	<b>BUS DUCTING</b>		
<b>1</b>	Operation & Comprehensive Maintenance for LT Bus-duct with copper Bus Bar, 3P + 100% neutral + 50% internal ground bar, sandwich type 65KA/1Sec , IP-55, Complete with all accessories, bends, copper flexible and connection etc. Enclosure made of extruded aluminium 2mm thick with cooling fin on both top and bottom.		
<b>a</b>	5000 Amp	120	mtr
<b>b</b>	4000 Amp:-	184	Mtr
<b>c</b>	3200 Amp:-	282	Mtr
<b>d</b>	2000 Amp:-	76	Mtr
<b>e</b>	1600 Amp:-	66	Mtr
<b>f</b>	1250 Amp:-	26	Mtr
<b>g</b>	800 Amp:-	137	Mtr

## LT CABLE

S.No.	DESCRIPTION	Qty.
1	Operation and Comprehensive maintenance for aluminum conductor XLPE insulated, sheathed, Armoured U.G. Panels cable of 1.1KV grade, IS : 1554	
a	3.5x 300 sq.mm.	40850 m
b	3.5x 240 sq.mm.	6106 m
c	3.5x 150 sq.mm.	600 m
d	3.5x 95 sq.mm.	737 m
e	3.5x 25 sq.mm.	2936 m

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## SUBHEAD-7

## EARTHING &amp; SUBSTATION SAFETY

S.No.	DESCRIPTION	Qty.	Unit
1	Comprehensive Maintenance of GI pipe earthing electrode made as pipe in pipe technology (IS : 3043) : 1987) with poly-plastic pit cover duly CPRI Approved, tested for current rating of 25KA for one second with peak current of 52.5 KA duly filled with eco-friendly back filled compound as per following specification (CPWD /CPRI approved make)	60	sets
1.1	Outer Electrode hot dip galvanized 250 -300 micron		
1.2	Length - (3000 mm)		
1.3	Outer Electrode Thickness -(10 SWG class 'B')		
1.4	DIA (outer)- (50 mm)		
1.5	DIA (inner)- (25 mm)		
1.6	Inner Electrode hot dip galvanized 70-100 micron		
1.7	Terminal Strip Hole Diameter 25mm		
1.8	Space inside Electrode filled with crystalline graphite powder mixture (back fill compound) a mixture of sodium Bentonite, Magnesium sulfate Graphite and Portland cement		

**Note:-**

Maintenance of each earthing whether it is new or existing will be in the scope of contractor and maintain the resistance value less than 5 ohms of each electrode.

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## SUBHEAD-8

## ( SOLAR PHOTO VOLTAIC SYSTEM )

S.No.	DESCRIPTION
1	Operation and Comprehensive maintenance of 1 set 100 KWp Solar Power pack capable of running related load for 04 hour duration complete as per existing and which comprising of
a	Solar Module
b	20 module mounting structure
c	10 module mounting structure
d	Array junction box
e	Main junction box
f	Battery Bank- 150 KWH (Low Maintenance Tubular Type)
g	Battery Bank accessories.
h	Battery Protection panel with MCB isolator
i	PCU (Power Condition Unit) 230 V ac output, suitable inverter system
j	AC distribution board
k	copper conductor cable for interconnections etc.
l	Earthing kit
m	Installation Kit

In addition to the above contractor has to perform following jobs/tasks free of cost.

1. Preventive Maintenance of all the substation equipments such as Transformers/HT/LT Breaker/Switchgears etc. as per the OEM guidelines.
2. Breakdown Maintenance of all the substation equipments and replacement of defective parts i/c testing etc. as & when required.
3. Tracing of LT/HT Cable fault's /providing cable, cable joints and making permanent cable joints, excavation & refilling of soil, cable terminations etc. as & when required.
4. Operation & comprehensive maintenance of DG Set including preventive maintenance/daily maintenance (A-Check, B-Check, C-Check & D-Check) rectification of breakdown and replace the faulty part as per recommended by OEM guidelines.
5. Maintenance of solar photo voltaic system, check the efficiency of system on UPS mode/ inverter mode.
6. Visual inspection of cable end termination & bus duct for overheating if any and same shall be replaced/repared as and when required.
7. Monitoring & maintaining the log book of all equipments of substation.
8. Maintenance all earthing and earth strip (Copper/G.I/Aluminum) to achieve the required earthing resistance and replacing the earth electrode/strip etc. as & when required.
9. Responsibility to maintain sub-station and its equipment in a healthy state all the time, to plan and undertake preventive maintenance of substation at regular

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intervals and attend routine maintenance activity every day as and when required.

**10.** Dehydration of Transformer oil, replacement of silica gel should be carry out once a year, as & when required.

**11.** The contractor shall also maintain record of major breakdown occurred during the contract period separately indicating its cause, location and type of repairs carried out. These all records shall be handed over to the AIIMS on monthly basis on as mentioned by the AIIMS

**12. ASSIGNMENT AND SUBLETTING OF CONTRACT:**

12.1 The CONTRACTOR shall not sub-contract the work on back-to-back basis. The CONTRACTOR shall not sublet, transfer or assign the contract or any part of thereof without the prior written permission of AIIMS Rishikesh. In the event of the CONTRACTOR contravening this condition shall be entitled to entrust the work to other agencies at the CONTRACTOR's account and risk. The CONTRACTOR shall be liable for any loss or damage which the Corporation may sustain in consequence of or arising out of such replacing the contract notwithstanding any such permission to sublet. The CONTRACTOR shall always be held responsible for the due fulfillment of the terms and conditions of contract.

12.2 The CONTRACTOR will be allowed only in **special conditions** to sublet the maintenance of equipments under his contract to any other party, CONTRACTOR will have to inform and take prior permission from AIIMS Rishikesh.

12.3 **CONTRACTOR will have to have to deploy OEM or their authorized dealers for maintenance of UPS, DG Set, Transformer, ACB & VCB, HT & LT panel, Solar Photovoltaic System, however the principal contractor will be responsible for entire maintenance and smooth functioning of system. The SOP for maintenance will be according to prescribed procedure by OEM.**

**13. OWNER'S LIEN ON EQUIPMENT:-**

13.1 No material brought to the "site" shall be removed from the "site" by the CONTRACTOR and/ or his sub-contractor without the prior written approval of AIIMS Rishikesh.

13.2 On completion of the Comprehensive Operation Maintenance Contract, all rubbish, kilns, vats, tanks, materials and temporary structure of any sort or kind used for the purpose or connected with the work are to be removed by the CONTRACTOR, if agreed in AIIMS Rishikesh and all pits and excavations filled up and the site handed over in a tidy and workmanlike condition and no final payment in settlement of the account for the said work shall be held to be due or shall be made to the CONTRACTOR till such site clearance shall have been effected by him and such clearance may be made by AIIMS Rishikesh at the expenses of the CONTRACTOR in the event of his failure to comply with this provision within 7 days after receiving notice in writing from AIIMS Rishikesh to that effect. If it becomes necessary for AIIMS Rishikesh to have the site cleared as indicated above the expense of the CONTRACTOR AIIMS Rishikesh shall under no circumstances be held liable for any losses or damages to such of CONTRACTOR' property as may be on such site due to such removal, there from which removal may be effected by means of public sale of such materials and property or in such a way a seems fit and most convenient to AIIMS Rishikesh.

13.3 Any minor repair job essential for smooth and trouble free functioning, enhancement for the life of equipment will be in the scope of contractor like structural painting, cooling tower painting, painting of DG sets, chimney and its structure, while wash in his office, store and bathrooms, any exposed metal, wooden parts etc.

**14** The contractor shall strictly adhere to the fire/electric shock precautionary measure while working near the explosive areas/HV/LV/Electrical substation areas.

**15** The contractor shall ensure that availability for spare parts, consumables and non-consumables items and kept in advance to ensure minimum downtime of machines.

**16** To check and replace, if necessary the performance of all operational safeties/relays/indicator/ampere meter/volt meter etc.



- 17 To tighten all the fasteners of the bus ducts, bus bars and cables as and when necessary and at least once in three months. Also to re-terminate the heated up contacts and replace cabling/wiring as and when necessary.
- 18 To ensure that the control circuitry of all systems are perfectly working.
- 19 The agency/contractor has to keep following testing equipments at site all the time:-
- HT&LT megger.
  - Earth Tester
  - Discharge Rod
  - Multi-meter.
  - Thermometer (Laser Type).
  - Cable Crimping Tools.
  - Spanner set.
  - Any other T&P regarding for smooth functioning of substation.
- 20 In addition to above, the Personal Protective Equipments (PPE) of proper rating like Helmets, Safety Belts, Hand Gloves, Safety Shoes, Torch, Ladder etc. for all working persons shall also be arranged by contractor.
- 21 To maintain adequate lighting on working area of this contract.
- 22 Any other electrical works as assigned by the engineer in charge essentially required for keeping the equipment's in good healthy working conditions though not indicated above.
- 23 The contractor has to depute following manpower in during the CAMC for round clock operation and Maintenance for 3 Shift for 365 days i/c Sunday, holiday & national holiday.

Sr. No.	Installation	Description of sub head	Minimum person required
1	Sub-Stations-1	11KV/433 VOLTS SUBSTATIONS	2 nos skilled person (ITI with 5 years' Experience) + 2 nos Semiskilled person (ITI with 3 years' Experience) for each shift round the year Twenty Four Hours + 1 unskilled person for general shift
2	Sub-Stations-2	11KV/433 VOLTS SUBSTATIONS	1 nos skilled person (ITI with 5 years' Experience) + 1 nos Semiskilled person(ITI with 3 years' Experience) for each shift round the year Twenty Four Hours + 1 unskilled person for general shift
3	Sub-Stations-3	33 KV/11KV SUBSTATIONS	1 nos skilled person (ITI with 5 years' Experience) + 1 nos Semiskilled person(ITI with 3 years' Experience) for each shift round the year Twenty Four Hours + 1 unskilled person for general shift

- 24 The contractor shall provide at his own cost proper uniform and badges and photo identity cards to the manpower deployed.
- 25 In an event that, for any reason, the manpower provided changes their contact number during the tenure of the contract then the contractor will immediately notify the AIIMS of above change.
- 26 Attendance of manpower shall be entered in attendance register on regular basis. The same shall be made available for verification of the AIIMS authorized representative, as and when required.
- 27 The bio-data qualification and experience of the said manpower should be certified by the contractor & same be submitted to AIIMS Authority, before placing on duty at the



site.

## **28 Safety**

- I. First aid appliances including adequate supply of sterilized dressing and cotton wool shall be maintained in a readily accessible place.
- II. An injured person shall be taken to a hospital without loss of time in cases where the injury necessitates hospitalization.
- III. Inflammable and hazardous items shall not be allowed near the working site.
- IV. Adequate safety measures against fire, theft etc. will be taken by the contractor.

### **Not in the Scope of Contractor:-**

- (i) AIIMS will provide only HSD, Lubricant Oil, All type of Batteries, Electricity & Water.**

### **Important Note:-**

- A. All the preventive & breakdown maintenance of transformer, HT/LT breaker (ACB&VCB), HT&LT Panels, DG set, UPS, Solar Photo Voltaic System and allied equipments shall have to be carried out through authorized OEM/authorized dealers of the equipments(s).
- B. The contractor has to produce copy of invoice, of the spare used/replaced during maintenance to ensure saneness of the spare.

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**List of major equipments and their make**

<b>Sr No.</b>	<b>Sub-Head</b>	<b>Description of Major Equipments</b>	<b>Make</b>
1	Sub-Head 1	33/11KV Substation, 3X6MVA Transformer, HT Panels, VCB & Allied Equipments	Sudhir Intra Vidyut.
2	Sub-Head 2	SS No. 1-11 KV/415V, 4X2500KVA Transformer, HT/LT Panel, VCB/ACB & SS No. -2: 2X2000KVA Transformer with Allied Equipments	Sudhir Intra Vidyut. Switch gear :- Schneider & ABB
3	Sub-Head 3 & 3A	D.G. SETS 6X2000KVA & 1X2250KVA DG Set.	Cummins .
4	Sub-Head 4	UPS 5 Nos. 2X300KVA	Emerson.
5	Sub-Head 5	BUS DUCTING (800 Amp. to 5000 Amp.)	C & S.
6	Sub-Head 6	LT CABLING (3.5X25 Sq.mm. to 3.5X300 Sq.mm)	Not Applicable.
7	Sub-Head 7	EARTHING & Allied Equipments	Not Applicable.
8	Sub-Head 8	SOLAR PHOTO VOLTAIC SYSTEM (1 Set 100 KWp) & Allied Equipments	Invertor Make:- Emerson, Solar Plate Make:- Tata.

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**Financial bid**  
**SCHEDULE OF RATES**  
 (To be submitted in Financial Bid)

COMPREHENSIVE OPERATION AND MAINTENANCE					
S.No	Item Description	Quantity	Units	RATE including GST In Rs.	AMOUNT (IN Rs.)with taxes
1	<b>CAMC for First Year</b> Providing Round the clock operation & comprehensive maintenance of all the equipments of subhead – 1,2,5,6 & 7 inclusive of all consumables and non-consumable spares parts as per the inventory and scope of work attached.	12	Months		
2	<b>CAMC for First Year</b> Providing Round the clock operation & comprehensive maintenance of all the equipments of subhead – 3 inclusive of all consumables and non-consumable spares parts as per the inventory and scope of work attached.	12	Months		
3	<b>CAMC for First Year</b> Providing Round the clock operation & comprehensive maintenance of all the equipments of subhead – 3A inclusive of all consumables and non-consumable spares parts as per the inventory and scope of work attached. <b>Note: - Contract of The sub head-3A will be start 01-Nov-2022 and will be valid upto the validity of original contract.</b>	12	Months		

To be fill in CPP portal

*W*  
6/6/2022

*Personal*



4	<p><b>CAMC for First Year</b>          Providing Round the clock operation &amp; comprehensive maintenance of all the equipments of subhead – 4 inclusive of all consumables and non-consumable spares parts as per the inventory and scope of work attached.</p>	12	Months
5	<p><b>CAMC for First Year</b>          Providing Round the clock operation &amp; comprehensive maintenance of all the equipments of subhead – 8 inclusive of all consumables and non-consumable spares parts as per the inventory and scope of work attached.</p>	12	Months
6	<p><b>CAMC for Second Year</b>          Providing Round the clock operation &amp; comprehensive maintenance of all the equipments of subhead – 1,2,5,6 &amp; 7 inclusive of all consumables and non-consumable spares parts as per the inventory and scope of work attached.</p>	12	Months
7	<p><b>CAMC for Second Year</b>          Providing Round the clock operation &amp; comprehensive maintenance of all the equipments of subhead – 3 inclusive of all consumables and non-consumable spares parts as per the inventory and scope of work attached.</p>	12	Months
8	<p><b>CAMC for Second Year</b>          Providing Round the clock operation &amp; comprehensive maintenance of all the equipments of subhead – 3A inclusive of all consumables and non-consumable spares parts as per the inventory and scope of work attached. <b>Note: - Contract of The sub head-3A will be start 01-Nov-2022 and will be valid upto the validity of original contract.</b></p>	12	Months

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6/6/2022

Ramul  
07/6/22



9	<b>CAMC for Second Year</b> Providing Round the clock operation & comprehensive maintenance of all the equipments of subhead – 4 inclusive of all consumables and non-consumable spares parts as per the inventory and scope of work attached.	12	Months	
10	<b>CAMC for Second Year</b> Providing Round the clock operation & comprehensive maintenance of all the equipments of subhead – 8 inclusive of all consumables and non-consumable spares parts as per the inventory and scope of work attached.	12	Months	
<b>Total Amount inclusive GST (in Rs.)</b>				

*[Handwritten Signature]*  
6/6/2022

*[Handwritten Signature]*  
07/01/22