



**PRASAR BHARATI  
(INDIA'S PUBLIC SERVICE BROADCASTER)  
AKASHVANI: CIVIL CONSTRUCTION WING  
JAMMU**

**APPROVED NIT**

**NIT NO:- EE(C)/CCW/JMU/NIT/2025-26/31**

**Name of Work: - Construction of playground arena at IIMC Jammu.**

**ESTIMATED COST : Rs.57,07,932/- ( Rs.43,03,033/- Civil +  
Rs.14,04,899/- Elect.)**

**EARNEST MONEY : Rs.1,14,159/-**

**SECURITY DEPOSIT : 2.5% of Running as well as final  
bill/value of work**

**PERFORMANCE GUARANTEE : 5 % of tendered/Accepted value of work**

**TIME ALLOWED FOR COMPLETION : Six Months**

**Certified that this approved NIT contains pages 01 to 80 only excluding the cover  
pages.**

**D/M(C)-I**

**ASW(C)**

**Executive Engineer (C)**

**PRASAR BHARATI  
(INDIA'S PUBLIC SERVICE BROADCASTER)  
CIVIL CONSTRUCTION WING: AKASHVANI  
JAMMU**

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**Certified that this NIT Contains Pages 1 to 80 only excluding the cover pages.**

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ASW(C)

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# PART – A

**PRASAR BHARATI  
(INDIA'S PUBLIC SERVICE BROADCASTER)  
CIVIL CONSTRUCTION WING  
AKASHVANI:JAMMU**

**(PART-"A" & "B" FOR CIVIL WORKS AND PART-"C" FOR ELECTRICAL WORKS)  
PRESS TENDER NOTICE FOR e-TENDERS**

The Executive Engineer (Civil), CCW, AKASHVANI, Jammu (email : [ccwair.jammu@prasarbharati.gov.in](mailto:ccwair.jammu@prasarbharati.gov.in)) invites on behalf of the President of India online composite item rate tenders from approved & eligible contractors of CPWD and those of appropriate list of Railways, MES, BSNL, Department of Post and State PWD (R&B) Govt. of (U.T)/Jammu & Kashmir State & Other Departments of Govt. of (U.T)/Jammu & Kashmir State Upto 06:00 PM on **15-01-2026** for the following work :-

**NIT No. EE(C)/CCW/JMU/NIT/2025-26/31**

**Name of Work: Construction of playground arena at IIMC Jammu.**

**Estimated Cost: Rs.57,07,932/- ( Rs.43,03,033/- Civil + Rs.14,04,899/- Elect.)**

**Earnest Money: Rs.1,14,159/-**

**Period of completion: - Six Months**

**Last date and Time of submission of Original EMD: 04:00 PM on 15-01-2026.**

**Last date and Time of submission of Online bid: 06:00 PM on 15-01-2026.**

**Date & Time of opening of Online bid: 10:30 AM on 16-01-2026.**

The bid forms and other details can be obtained from the website  
<https://prasarbharati.eproc.in/ProductPB/publicDash>

D/M(C)-I

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**PRASAR BHARATI  
(INDIA'S PUBLIC SERVICE BROADCASTER)  
OFFICE OF THE EXECUTIVE ENGINEER (C)  
CIVIL CONSTRUCTION WING  
AKASHVANI  
JAMMU**

**INVITATION FOR BID**

The Executive Engineer (Civil), Civil Construction Wing, AKASHVANI, Jammu (email: [ccwair.jammu@prasarbharati.gov.in](mailto:ccwair.jammu@prasarbharati.gov.in)), invites, on behalf of President of India, online composite item rate tenders from approved and eligible contractors of CPWD and those of appropriate list of Railways, MES, BSNL, Department of Post and State PWD (R&B) Govt. of (U.T)/Jammu & Kashmir State & Other Departments of Govt. of (U.T)/Jammu & Kashmir State **Upto 06:00 PM on 15-01-2026** for the following work:

| Sl. No. | NIT No.                                    | Name of work and location                      | Estimated cost put to bid /tender                              | Earnest Money | Period of completion | Last Date and time of online submission of bid /Tender | Time and date of opening of bid/ Tender |
|---------|--|--|--|---------------|----------------------|--|---|
| 1       | <u>NIT No.EE(C)/CCW/JMU/NIT/2025-26/31</u> | Construction of playground arena at IIMC Jammu | Rs.57,07,932/- ( Rs.43,03,033/- Civil + Rs.14,04,899/- Elect.) | Rs.1,14,159/- | Six Months           | 06:00 PM on 15-01-2026                                 | 10:30 AM. on 16-01-2026                 |

### Information & Instruction for bidder for e-tendering

1. The intending bidder must read the terms and conditions of CPWD-6 carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.
2. Information and Instructions for bidders posted on the website shall form part of Bid document.
3. 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 <https://prasarbharati.eproc.in/ProductPB/publicDash>
4. But the bid can only be submitted after **depositing Processing Fee in favour of M/s C1 India Pvt. Ltd.** and uploading the mandatory scanned documents such as Demand Draft or Pay order or Banker's Cheque or Deposit at call Receipt or Fixed Deposit Receipts and Bank Guarantee of any Scheduled Bank towards EMD in favour of **Executive Engineer(C), CCW, AKASHVANI, JAMMU** and other documents as specified.
5. Those contractors not registered on the website mentioned above, are required to get registered beforehand. If needed they can be imparted training on online bidding process as per details available on the website.
6. The intending bidder must have valid **Class-III** digital signature to submit the bid.
7. On opening date, the contractor can login and see the bid opening process. After opening of bids he will receive the competitor bid sheets.
8. Contractor can upload documents in the form of **JPG** format and **PDF** Format.
9. Contractor must ensure to quote rate of each item. The column meant for quoting rate in figures appears in Pink colour and the moment rate is entered, it turns sky blue.  
In addition to this, while selecting any of the cells a warning appears that if any cell is left blank, the same shall be treated as "0".  
Therefore, if any cell is left blank and no rate is quoted by the bidder, rate of such item shall be treated as **"0" (ZERO)**.
10. It will be obligatory on the part of the tenderer to tender for work and to sign the tender documents for all the component parts. The Department reserves the right to accept tender in full or in part.
11. The contractor shall quote rates including work contract GST, other taxes, Cess and levies. However, Contractor shall submit to the department the GST compliant tax invoice along with running /final account bills including GST registration of **Govt. of (U.T)/Jammu & Kashmir** state along with 1st running account bills.
12. The contractor's quoted rates shall among other things include the cost of working in Multiple shifts, round the clock if necessary including working on gazzetted holidays.

### **13. List of documents to be scanned and uploaded within the period of bid submission.**

- I. Scanned copy of EMD in the form of Treasury Challan/Demand Draft/Pay order or Bankers cheque /Deposit at call receipt/FDR/Bank guarantee of any scheduled bank.
- II. Affidavit as per clause 1.2.1 (b) of form CPWD – 6 on non judicial stamp paper of Rs. 100/- duly notarized (Notarization shall be done after the date of uploading/publishing of NIT) with Name of Work.
- III. Enlistment order/valid registration of the contractor.
- IV. Certificate of registration for GST in any state and acknowledgement of last return filed (Not later than one year back from last date of receipt of tender). and an UNDERTAKING as mentioned below.

For contractors having GST registration in Govt. of UT/J&K State, no undertaking as mentioned below is required.

#### **UNDERTAKING**

- a) I am presently not working in Jammu & Kashmir Govt. and do not have GST registration of Govt of UT/ State of Jammu & Kashmir.
  - b) If the work is awarded to me/us, then I/we shall obtain GST registration of Jammu & Kashmir state within 30 days of award of work OR before payment of first R/A Bill, whichever is earlier.
- V. Copy of PAN card
  - VI. Partnership deed (if any) and power of attorney (if any)
  - VII. Certificate of work experience (Issued by an authority not below the rank of Executive Engineer), should clearly specify the scope of work as required for fulfilling the similar nature criteria defined in para 1.2.1 (a)(i).  
It is mandatory to upload scanned copies of all the documents including GST registration and undertaking as mentioned relating to GST. If these documents are not uploaded, then bid will become invalid and shall summarily be rejected. The bidder shall be required to produce original documents for verification on demand by Executive Engineer(C), CCW, AKASHVANI, JAMMU within 15 days opening of tender/bid. Onus of proving eligibility lies with the bidder.
14. The original EMD in the form of Treasury challan or Demand draft or pay order or Banker's cheque or deposit at call receipt or fixed deposit receipt (drawn in favour of Executive Engineer (Civil), CCW, Akashvani, Jammu) should be deposited in the office of Executive Engineer (Civil), CCW, Akashvani, Jammu inviting bids or sub-division office, CCW, Akashvani, Srinagar or division office of any Executive Engineer (Civil), CCW, Akashvani within the period of bid submission. (The EMD document shall only be issued from the place in which the office of receiving division is situated. The EMD receiving Executive Engineer (C) shall issue a receipt of deposition of earnest money deposit to the bidder in a prescribed format uploaded by tender inviting EE (C) in the NIT.  
This receipt along with photo copy of EMD shall also be uploaded to the e-tendering website by the intending bidder upto the specified bid submission date and time.



**PRASAR BHARATI  
(INDIA'S PUBLIC SERVICE BROADCASTER)  
OFFICE OF THE EXECUTIVE ENGINEER (C)  
CIVIL CONSTRUCTION WING  
AKASHVANI  
JAMMU**

Receipt of Deposition of EMD:-

(Receipt No..... / date.....)

|  |
|--|
| <p><b>Name of Work: Construction of playground arena at IIMC Jammu.</b></p> <p><b>NIT No. EE(C)/CCW/JMU/NIT/2025-26/31</b></p> <p><b>Estimated Cost : Rs.57,07,932/- ( Rs.43,03,033/- Civil + Rs.14,04,899/- Elect.)</b></p> <p><b>Amount of Earnest Money Deposit :- Rs.1,14,159/-</b></p> <p><b>Last date and Time of submission of Online bid upto: - 06:00 PM on 15-01-2026.</b></p> |
| <p>1. Name of Contractor .....</p> <p>2. Amount of original Bank Guarantee Earnest Money deposit.....</p> <p>3. Last Date of Submission of EMD 15-01-2026 Upto 04:00 PM</p>  |
| <p>Seal &amp; Sign</p>   |

**Note :**

**(1) No cutting / overwriting shall be allowed in Treasury Challan / Demand Draft / Pay Order of Banker's Cheque / Deposit at Call Receipt / Bank Guarantee of any Scheduled Bank. If found so, their tender will be summarily rejected.**

D/M(C)-I

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**PRASAR BHARATI  
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OFFICE OF THE EXECUTIVE ENGINEER(C)  
AKASHVANI: CIVIL CONSTRUCTION WING  
Jammu**

**CPWD-6 for e-Tendering**

1. Online composite Item rate tenders are invited on behalf of the President of India from the approved and eligible contractors of CPWD and those of appropriate list of Railways, MES, BSNL, Department of Post and State PWD (R&B) Govt. of (U.T)/Jammu & Kashmir State & Other Departments of Govt. of (U.T)/Jammu & Kashmir State for the work of:

**Name of Work: Construction of playground arena at IIMC Jammu.**

The enlistment of the contractors should be valid on the last date of submission of bids. In case the last date of submission of bid is extended, the enlistment of contractor should be valid on the original date of submission of bids.

- 1.1 The work is estimated to cost **Rs.57,07,932/- ( Rs.43,03,033/- Civil + Rs.14,04,899/- Elect.)**This estimate however is given merely as a rough guide.
- 1.1.1 . The eligibility of bidders will correspond to the estimated cost put up to bid.
- 1.2 Intending bidder 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 The bidder/contractor who fulfills the following requirements shall be eligible to apply. Joint ventures are not accepted.

Condition for CPWD as well as non CPWD Contractors:

- (a) Should have satisfactorily completed the composite (Civil+ Electrical) works as mentioned below in last Seven years ending **previous day of last date of submission of bids.**
  - i) Three similar works each costing not less than **Rs.22.83 Lakh** or two similar works each costing not less than **Rs.34.25 Lakh** or one similar work costing not less than **Rs.45.66 Lakh in Central Govt./Central Autonomous Body/Central Public Undertaking/ State Govt./State autonomous body/State undertaking.**

**Similar work shall means “Building works/Road work/Repair & renovation works” (scanned copies of work experience certificates are to be uploaded at the time of submission of bid).**

- ii) 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 the last date of submission of bid.
- (b) To become eligible for issue of bid, the bidders shall have to furnish an affidavit on non judicial stamp paper of Rs. 100/- duly notarized as under:

**Name of Work: Construction of playground arena at IIMC Jammu.**

*(i). I/We undertake and confirm that eligible similar works(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 Bidding in CCW, AKASHVANI in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineering-Charge shall be free to forfeit the entire amount of Earnest Money Deposit /Performance Guarantee.*

*ii) The certified copy of all the scanned and uploaded documents specified in the press tender notice shall be deposited by me / us with the EE(C) Jammu calling the tender within 15 days of opening of the bids otherwise the department i.e. CCW, AKASHVANI may reject the tender and take action to debar me / us from tendering in CCW, AKASHVANI for a period of three years and can write to the competent authority for cancellation of my / our enlistment (Original papers of the uploaded documents shall be shown for verification to EE(C) Jammu).*

2. Agreement shall be drawn with the successful bidders on prescribed Form No. CPWD-8 (or other Standard Form as mentioned), which is available as a Govt. of India Publication and also available on website [www.cpwd.gov.in](http://www.cpwd.gov.in) Bidders shall quote their rates as per various terms and conditions of the said form which will form part of the agreement.
3. The time allowed for carrying out the work will be **Six 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 bid documents.

4. (i) The site for the work is available.  
  
(ii) The working Architectural and structural drawings shall be made available in phased manner, as per requirement of the same as per approved programme of completion submitted by the contractor after award of the work.
5. The bid document consisting of 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 on the web Site:- **<https://prasarbharati.eproc.in/ProductPB/publicDash>**
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.
7. While submitting the revised bid, contractor can revise the rate of one or more item(s) any number of times (he need not re-enter rate of all the items) but before last time and date of submission of bid as notified.
8. Earnest money in the form of Treasury challan or Demand draft or pay order or Banker's cheque or deposit at call receipt or fixed deposit receipt (drawn in favour of Executive Engineer(C) CCW:AKASHVANI, Jammu )shall be scanned and uploaded to the e-tendering website within the period of bid submission. The Validity of EMD submitted must be up to 45 Days from the date of opening of the tender.

A part of earnest money is acceptable in the form of bank guarantee also. In such case minimum 50% of earnest money or Rs. 20 lacs, whichever is less, shall have to be deposited in shape prescribed above, and balance may be deposited in shape of Bank Guarantee of any scheduled bank having validity for six months or more from the last date of receipt of bids which is to be scanned and uploaded by the intending bidders.

9. **Intending contractors who wish to participate in the bid have also to make following payment with in the post of bid submission.**
  - (i) e-Tender Processing Fee shall be payable to **M/s C1 India Pvt. Ltd.** to their e-gateway by credit/debit card, internet banking or RTGS/NEFT facility, drawn in favour of "**M/s C1 India Pvt. Ltd.**" payable at Delhi.
  - (ii) Earnest Money **Rs.1,14,159/-** in the form of Treasury Challan/Demand Draft/Pay order or Bankers cheque /Deposit at call receipt/FDR/Bank guarantee of any scheduled bank. The Validity of EMD submitted must be up to 45 Days from the date of opening of the tender.

10. Copy of Enlistment Order and certificate(s) of work experience and all other documents as specified in the press notice shall be scanned and uploaded to the e-tendering website within the period of bid submission. However, certified copy of all the scanned and uploaded documents as specified in press notice shall have to be submitted by the lowest bidder only along with physical EMD of the scanned copy of EMD uploaded within 15 days physically in the office of e-tender opening authority.
- Online bid documents submitted by intending bidders shall be opened only of those bidders, **who has deposited e-tender processing fee with M/s C1 India Pvt. Ltd. and Earnest Money Deposit and other documents scanned and uploaded are found in order.**

**The bid submitted shall be opened at 10:30 AM on 16-01-2026**

- 10A. The contractor registered prior to 01.04.2015 on e-tendering portal of CPWD shall have to deposit tender processing fee at existing rate, or they have option to switch over to the new registration system without tender processing fee any time.
11. The bid submitted shall become invalid and e-tender processing fee shall not be refunded if :
- (i) The bidder is found ineligible.
  - (ii) The bidder does not upload all the documents (including GST registration and undertaking there to if required) as stipulated in the bid document including the copy of acknowledgement of last return filed (not later than one year back from the last date of receipt of tender) and the affidavit as mentioned in 1.2.1(b).
  - (iii) If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically by the tenderer in the office of tender opening authority.
  - (iv) 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.

12. The contractor whose bid is accepted, will be required to furnish performance guarantee of 5% (Five Percent) 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 by the contractor shall be forfeited automatically without any notice to the contractor. The earnest money deposited alongwith tender shall be returned after receiving the aforesaid performance guarantee.
13. Security deposit at the rate of 2.5% of the gross amount of the bill shall be deducted from each running bill as well as final bill of the contractor. Such deduction shall be made unless the contractor has deposited the amount as Govt. securities or fixed deposit receipt. This is in addition to be Performance Guarantee that the contractor is required to deposit as per terms and conditions of NIT.
14. The description of work is as follows:-

**Name of work: - Construction of playground arena at IIMC Jammu.**

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 ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid. A bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra 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.

15. The competent authority on behalf of the President of India 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 bidders shall be summarily rejected.
16. Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the bids submitted by the contractors who resort to canvassing will be liable for rejection.
17. The competent authority on behalf of President of India reserves to himself the right of accepting the whole or any part of the bid and the bidder shall be bound to perform the same at the rate quoted.
18. The bidder shall not be permitted to bid for works in the CCW, AKASHVANI, (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 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 CCW, AKASHVANI or in the Ministry of Information & Broadcasting. Any breach of this condition by the contractor would render him liable to be removed from the approved/eligible list of contractors of this Department.
19. 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 prior 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 afore said before submission of the bid or engagement in the contractor's service.
20. The bid for the works shall remain open for acceptance for a period of **Forty Five (45) days** from the date of opening of bid in case of single bid system.
21. (i) If any tenderer withdraws his tender before the expiry of the validity period, or before the issue of letter of acceptance, whichever is earlier, or makes any modification in the terms and conditions of the tender which are not acceptable to the department, then the Government shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the earnest money absolutely. This provision would naturally apply only to the lowest tenderer once the earnest money of all the tenderers except those of the lowest is refunded.  
(ii) If contractor fails to furnish the prescribed performance guarantee within the prescribed period, the earnest money is absolutely forfeited to the President automatically without any notice.  
  
(iii) In case of forfeiture of earnest money as prescribed in (i) and (ii) above, the tenderer shall not be allowed to participate in the retendering process of the work.

## 22. For composite Bids:

22.1.1 The Executive Engineer in charge of the major component will call bids for the composite work. The cost of bid document and Earnest Money will be fixed with respect to the combined estimated cost put to tender for the composite bid.

22.1.2 The bid document will include following components:

**Part A:- CPWD-6, CPWD-8 including Schedule A to F for the major component of the work, Standard General Conditions of Contract for CPWD 2023 construction work as modified and corrected upto date of submission of tender.**

**Part B:- General/ Specific Conditions, Specifications and Schedule of quantities applicable to major component of the work.**

**Part C:- Schedule A to F for minor component of the work.(SE/EE in charge of major component shall also be competent authority under clause 2 and Clause 5 as mentioned in schedule A to F for minor components), General/specific conditions, specifications and schedule of quantities applicable to minor component(s) of the work.**

22.1.3 The bidder must associate himself, with agencies of the appropriate class eligible to bid for each of the minor component individually.

22.1.4 The eligible bidders shall quote rates for all items of major component as well as for all items of minor components of work.

22.1.5 After acceptance of the bid by competent authority, the EE in charge of major component of the work shall issue letter of award on behalf of the President of India. After the work is awarded, the main contractor will have to enter into one agreement with Executive Engineer in charge of major component and has also to sign two or more copies of agreement depending upon number of EE's in charge of minor components. One such signed set of agreement shall be handed over to EE in charge of minor component (s). EE of major component will operate **part (A)** and **part (B)** of the agreement .EE in charge of minor component(s) shall operate **Part (C)** along with **Part (A)** of the agreement except proforma of schedule A to F for major component (civil) & Annexure "Y".

22.1.6 Entire work under the scope of composite bid including major and all minor components shall be executed under one agreement.

22.1.7 Security Deposit will be worked out separately for each component corresponding to the estimated cost of the respective component of works.

22.1.8 The main contractor has to associate agency (s) for minor component(s) conforming to eligibility criteria as defined in the bid document and has to submit details of such agency (s) to Engineer-in-charge of minor component(s) within prescribed time. Name of the agency (s) to be associated shall be approved by Engineer-in-charge of minor component(s).

22.1.9 In case the main contractor intends to change any of the above agency/agencies during the operation of the contract, he shall obtain prior approval of Engineer-in-charge of minor component. The new agency/agencies shall also have to satisfy the laid down eligibility criteria. In case Engineer-in-charge is not satisfied with the performance of any agency, he can direct the contractor to change the agency executing such items of work and this shall be binding on the contractor.



- 22.1.10 The main contractor has to enter into agreement with contractor(s) associated by him for execution of minor component(s). Copy of such agreement shall be submitted to EE in charge of each minor component as well as to EE in charge of major component. In case of change of associate contractor, the main contractor has to enter into agreement with the new contractor associated by him.
- 22.1.11 Running payment for the major component shall be made by EE of major discipline to the main contractor. Running payment for minor components shall be made by the Engineer-in-charge of the discipline of minor component directly to the main contractor.
- 22.1.12 A. The composite work shall be treated as complete when all the components of the work are complete. The completion certificate of the composite work shall be recorded by Engineer-in-Charge of major component after record of completion certificate of all other components.
- 22.1.12 B. Final bill of whole work shall be finalized and paid by the EE of major component. Engineer(s)-in-charge of minor component(s) will prepare and pass the final bill for the component of work and pass on the same to the EE of major component for including in the final bill for composite contract.
23. Unconditional rebate if any has to be mentioned in bid document itself and any rebate letter received in separate envelope will be ignored.
24. This notice inviting bid shall form a part of the contract document. The successful bidder/ 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, special conditions, specifications and drawings, if any, forming part of the bid as uploaded at the time of invitation of bid and the rates quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.
- b) Standard CPWD Form-8 as amended/modified/corrected upto the date of on-line submission of bid.
25. The rates for all items of work, shall unless clearly specified otherwise include cost of all operations and all inputs of labour, material, T&P , scaffolding , wastage, watch and ward, other inputs , all incidental charges for all heights & lead, all taxes i/c GST or BOCW on work contracts, cess ,duties , levies etc. required for execution of the work. The department will not entertain any claim on account of GST or other taxes. In case department is forced to pay any of such taxes the department shall have the right to recover the same from of the bills of contractor or otherwise as deemed fit.
26. 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.

Contractor shall submit to the department the GST compliant tax invoice alongwith running /final account bills.

TDS under GST (as and when applicable) shall be deducted at prevailing rates on applicable value from the running bills

**NIT Approved for Rs.57,07,932/- ( Rs.43,03,033/- Civil + Rs.14,04,899/- Elect.) Rupees Fifty Seven Lakh Seven Thousand Nine Hundred and Thirty Two) only.**

**ASW(C)**

**Executive Engineer (C)  
CCW: AKASHVANI: Jammu**

**PRASAR BHARATI  
(INDIA'S PUBLIC SERVICE BROADCASTER)  
OFFICE OF THE EXECUTIVE ENGINEER(C)  
AKASHVANI: CIVIL CONSTRUCTION WING  
JAMMU**

|                |                               |                                     |
|----------------|-------------------------------|-------------------------------------|
| <b>STATE:</b>  | <b>JAMMU&amp;KASHMIR (UT)</b> | <b>CIRCLE: CIRCLE-II, NEW DELHI</b> |
| <b>BRANCH:</b> | <b>CCW, AKASHVANI</b>         | <b>DIVISION: JAMMU</b>              |
| <b>ZONE:</b>   | <b>NEW DELHI</b>              | <b>SUB-DIV.: JAMMU</b>              |

**Item Rate Tender & Contract for Works**

- (A)** Tender for the work of: Construction of playground arena at IIMC Jammu.
- (i) To be submitted/uploaded online **06:00 PM on 15-01-2026 to Executive Engineer (Civil), CCW, AKASHVANI, Jammu on the website:-**  
<https://prasarbharati.eproc.in/ProductPB/publicDash>
  - (ii) To be opened in presence of bidders who may be present at **10:30 AM. on 16-01-2026** in the office of **Executive Engineer (C), CCW, AKASHVANI, Jammu.**

**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 bid document for the work.

I/We hereby tender for the execution of the work specified for the President of India within the time specified in 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 **Forty Five (45) days** from the date of its opening of tender and not to make any modification in its terms and conditions.

A sum of **Rs.1,14,159/-** is hereby forwarded 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 as earnest money. If I/We, fail to furnish the prescribed performance guarantee within prescribed period, I/We agree that the said President of India or his successors, in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/We fail to commence work as specified, I/We agree that President of India or his successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said earnest money and the performance guarantee absolutely, otherwise the said earnest money shall be retained by him towards security deposit to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to therein and to carry out such deviations as may be ordered, up to maximum of the percentage mentioned in schedule 'F' and those in excess of that limit at the rates to be determined in accordance with the provision contained in **Clause 12.2 and 12.3** of the tender form.

Further, I/We agree that in case of forfeiture of Earnest Money or both Earnest Money & 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 CCW, AKASHVANI in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee.

I/We hereby declare that I/We shall treat the tender documents drawings and other records connected with the work as secret/confidential documents and shall not communicate information derived 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**

**Postal Address.....**

**Tel No.....**

**Fax.....**

**E-mail:.....**

**Witness:**

**Address:**

**Occupation:**

### **ACCEPTANCE**

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for and on behalf of the President of India for a sum of Rs. .... Rupees.....).

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

(a)

(b)

(c)

**Signature .....**

**Designation: Executive Engineer(C)**

**CCW: AKASHVANI, Jammu**

**For & on behalf of President of India**

**Dated:**

**PROFORMA OF SCHEDULES**

**SCHEDULE 'A' TO 'F' for (CIVIL WORK)**

**SCHEDULE 'A'**

Schedule of quantities : Enclosed on page from 77 - 78

**SCHEDULE 'B'**

Schedule of materials to be issued to the contractor.

| SL. No.  | Description of item | Quantity | Rates in figures & words at which the material will be charged to the contractor | Place of issue |
|--|---------------------|----------|--|----------------|
| 1  | 2                   | 3        | 4  | 5              |
| NIL  |                     |          |  |                |
| (Material required for the work shall be arranged by the contractor) |                     |          |  |                |

**SCHEDULE 'C'**

Tools and plants to be hired by the contractor:

| S.No.   | Description | Hire charges per day | Place of Issue |
|---|-------------|----------------------|----------------|
| 1   | 2           | 3                    | 4              |
| NIL   |             |                      |                |
| (All the T&P required for the work shall be arranged by the contractor) |             |                      |                |

**SCHEDULE 'D'**

Extra schedule for specific : General conditions, Special requirements/documents for the work, conditions etc. attached.  
if any

**SCHEDULE 'E'**

Reference to General Conditions of Contract for works with upto date correction will be binding to the tenderer.[ It will be presumed that they have gone through the said contract before submitting their bid and they have no right to put any claim beyond the said contract]

**Name of Work: Construction of playground arena at IIMC Jammu**

|                           |   |   |
|---------------------------|---|---|
| Estimated cost of work    | : | <b>Rs.57,07,932/- (Rs.43,03,033/- Civil + Rs.14,04,899/- Elect.)</b>            |
| i) Earnest money          | : | <b>Rs.1,14,159/-<br/>(to be returned after receiving Performance Guarantee)</b> |
| ii) Performance guarantee | : | <b>5% of tendered amount /Accepted value of work</b>                            |
| iii) Security deposit     | : | <b>2.5% of Running as well as final bill/value of work .</b>                    |

**SCHEDULE 'F'****GENERAL RULES & DIRECTIONS:**

|                                |   |   |
|--------------------------------|---|---|
| <b>Officer inviting tender</b> | : | <b>Executive Engineer(Civil), CCW, AKASHVANI, Jammu</b> |
|--------------------------------|---|---|

**DEFINITIONS**

|   |   |   |
|---|---|---|
| 2(v) Engineer-in-Charge   | : | <b>Executive Engineer (Civil), CCW, AKASHVANI, Jammu</b>  |
| 2(viii) Accepting authority   | : | <b>Executive Engineer (C), CCW, AKASHVANI, Jammu.</b>   |
| 2(x) Percentage on cost of materials and labour to cover all overheads and profits. | : | <b>15%</b>  |
| 2(xi) Standard schedule of Rates  | : | <b>CPWD Delhi Schedule of Rates 2023 with up to date correction-slip as on last date of submission/up loading of bid.</b> |
| 2(xii) Department   | : | <b>Civil Construction Wing, AKASHVANI, JAMMU</b>  |
| 2(Xiii) Standard CPWD contract form   | : | <b>CPWD Form 8 GCC 2023, Construction work as modified and corrected upto date.</b>                                       |

**Clause 1**

|     |   |   |  |
|-----|---|---|--|
| i)  | Time allowed for submission of performance guarantee, the date of issue of letter of Acceptance, in days:                                   | : | <b>07 Days</b>   |
| ii) | Maximum allowable extension with late fee @ 0.10% per day of Performance Guarantee amount beyond the period provided in (i) above in days : | : | <b>05 days (on written request of contractor stating the reason for delays in procuring the PG to the satisfaction of Engineer in-Charge</b> |

**Clause 2**

Authority for fixing compensation under Clause 2 : **Superintending Engineer (Civil) Circle –II, CCW, AKASHVANI, New Delhi.**

**Clause 2A**

Whether Clause 2A shall be applicable : **No**

**Clause 5**

Number of days from the date of issue of letter of acceptance for reckoning date of start. : **07 Days**

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

| <b>S. No.</b> | <b>Description of Milestone (Physical)</b> | <b>Time Allowed in days (from date of start)</b> | <b>Amount to be with held in case of non –achievement of mile stone</b> |
|---------------|--|--|---|
|               |  | N/A  | N/A   |

**Time allowed for execution of work : Six Months**

**Authority to decide:**

- (i) Extension of time for : **Executive Engineer (Civil), CCW, AKASHVANI, Jammu**  
(ii) completion of work  
Rescheduling of mile stones  
(iii) Shifting of date of start in case of delay in handing over of site

**Clause 6, 6A**

**Clause applicable (6 or 6A) : Clause 6 Applicable (Computerized MB will be prepared by the Contractor )**

**Clause 7**

|  |   |                    |
|--|---|--------------------|
| Gross work to be done together with net payment/adjustment of advances for material collected, if any, since the last such payment for being eligible to interim payment | : | <b>Rs.700000/-</b> |
|--|---|--------------------|

**Clause 10A**

List of testing equipment to be provided by the contractor for. site lab : **Annexure ‘Y’ (Testing equipments shall be provided at site and as per Direction of Engineer-in-Charge).**

**Clause 10C**

**Applicable**

Component of labour expressed as percent of value of work : **25%**

**Clause 10CC :Not applicable**

**Clause 11**

|  |  |   |   |
|--|--|---|---|
| <b><u>Specifications to be followed for Execution of work :-</u></b>   |  |   |   |
| (i) <i>C.P.W.D. Specification 2019</i> Vol 1 & 2 with up to date correction slip on the date of online submission of tender.<br>(ii) Items those, not covered in CPWD specifications, for such items, relevant BIS codes are to be followed.<br>(iii) Items those not covered under CPWD specification & even in BIS codes, and then manufacturer specifications are to be followed in consultation with Engineer-in-charge. |  |   |   |
| <b>Clause 12</b>   | Type of work   | : | <b>Original Work</b>  |
|  | <b>Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with Clause 12.2 &amp; 12.3.</b>  | : | <b>SEE BELOW</b>  |
| <b>12.2 &amp; 12.3</b>   | Deviation limit beyond which clauses 12.2 & 12.3 shall apply for super structure   | : | <b>NO LIMIT (All deviation quantities shall be Paid on agreement rates)</b> |
| <b>12.5</b>  | i) Deviation limit beyond which Clause 12.2 & 12.3 shall apply for foundation work <b>(except earth work)</b><br>ii) Deviation limit for items mentioned in earth work subhead of DSR or related items | : | <b>NO LIMIT (All deviation quantities shall be Paid on agreement rates)</b> |
|  |  | : | <b>NO LIMIT (All deviation quantities shall be Paid on agreement rates)</b> |

**Clause 16**

Competent Authority for deciding reduced rates. : **Upto 5% of contract value by SE(C) and beyond 5% by Chief Engineer(C)**

**Clause 18**

List of mandatory machinery, tools & plants to be deployed by the contractor at sites as required by Engineer-In-Charge.

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

| Minimum qualification of Technical representative | Discipline | Designation (Principal Technical/ Technical representative) | Minimum Experience (years) | Number | Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of Clause 36(i) |                                       |
|---|------------|---|----------------------------|--------|---|---------------------------------------|
|   |            |   |                            |        | Figure  | Words                                 |
| (1).Graduate Engineer                             | Civil      | Principal Technical Representative                          | 5 years                    | 1      | Rs. 25,000/- per month  | Rupees Twenty Five Thousand per month |
| (2).Graduate Engineer or Diploma Engineer         | Civil      | Project Planning/ Site/billing Engineer                     | 2 years                    | 1      | Rs. 15,000/- per month  | Rupees Fifteen Thousand per month     |
|   |            |   | 5 years                    |        |   |                                       |

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

**Clause 37:-** Deduction of cess on account of "Building & other construction's worker welfare cess –act-1996" shall be made @1% of the gross payable amount of the Agreement.

**Clause 42**

i) (a) Schedule/statement for determining theoretical quantity of cement & bitumen

**On the basis of Delhi Schedule of Rates 2023 with upto date correction slip upto the date of online submission of bid.**

ii) Variations permissible on theoretical quantities.

a) Cement

For works with estimated cost put to tender not more than Rs. 5 lakhs

: **3% plus/minus**

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

: **2% plus/minus**

b) Bitumen All Works

: **2.5% plus only & Nil on minus side.**

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

: **2% plus/minus**

d) All other materials

: **Nil**



**Recovery Rates for Quantities beyond permissible variation**

| S.No. | Description of Item   | Rate in figures and words at which recovery shall be made from the contractor |  |
|-------|---|---|--|
|       |   | Excess beyond permissible variation   | Less use beyond the permissible variation  |
| 1.    | Cement (OPC/PPC)  | N.A.  | No variation beyond permissible limit is allowed and the work shall be rejected. |
| 2.    | Steel reinforcement bars (TMT) Fe 500D<br>a) Primary producer | N.A.  |  |
| 3     | Structural Steel  | N.A.  |  |

D/M(C)-I

ASW(C)

Executive Engineer (C)

**FORM OF BANK GUARANTEE BOND FOR EARNEST MONEY DEPOSIT**

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, OR
  - (c) Fails or refuses to start the work, in accordance with the provisions of the contract and Instructions to contractor, OR
  - (d) Fails or refuses to submit fresh Bank Guarantee of an equal amount of this Bank Guarantee, against Security Deposit after award of contract.

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 .....  
(Signature, Name & address)

**Note:** - 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**

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 there under 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.....

Bank) (indicate the name of the

**INTEGRITY PACT**

To

Intending Bidder,

.....,  
.....

**Sub : Construction of playground arena at IIMC Jammu.**

Dear Sir,

It is here by declared that CCW, AKASHVANI, 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 bidding 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 CCW, AKASHVANI.

Yours sincerely,

**EXECUTIVE ENGINEER (C)  
CCW, AIR, JAMMU**

## **INTEGRITY AGREEMENT**

This Integrity Agreement is made at Jammu on this..... day of ..... 2019.

### **BETWEEN**

President of India represented through Executive Engineer, CCW, AIR, JAMMU (Hereinafter referred as the '**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 ..... (Details of duly authorized signatory) (Hereinafter referred to as the "**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. EE(C)/CCW/JMU/NIT/2025-26/31**) hereinafter referred to as "Tender/Bid") and intends to award, under laid down organizational procedure, contract for ": **Name of work:- Construction of playground arena at IIMC Jammu**) 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:

#### **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 endeavor 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) commit 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)/Contract(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, CCW, AIR.

#### **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 intentions.

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:

Executive Engineer (C), CCW, AIR, JAMMU. (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 :

**ADDITIONAL CONDITIONS**

1. Contractors shall co-ordinate and co-operate with the other agencies e.g. Electrical & authorized representative of local bodies for construction of their respective items of work being executed simultaneously in same building.
2. The contractor shall give to the Municipality, Police and other local authorities all notices etc. that may be required by law and obtain all requisite licence, permission for temporary construction that may be required for execution of work obstruction in public places & pay all fines, taxes and charges which may be liable on account of their operation, in executing the contract. They shall make good any damage to adjoining property whether public or private and shall supply and maintain any (either for illumination or for cautioning the public) required at night.
3. The contractors shall make his own arrangement for temporary electric Connection at works, if required and make necessary payment for it directly to the department concerned. The wiring done by the contractor shall conform to the electrical regulation of statutory bodies and will be consistent with the safety requirements of the side. The Engineer-in-charge's decision regarding the safety aspect shall be final and binding on the contractor.
4. The contractor shall provide adequate lighting arrangement as approved by the Engineer-in-charge for carrying out the works during night times when required and provide all other facilities for the labour employed to carry out the works without any extra charge. Necessary lighting as directed by the Engineer-in-charge shall also be provided by the contractor without any extra charges for yard lighting as well as to cover the entire site including those required for safety and security reasons.
5. The day to day receipts and issue of cement shall be governed as per the 'direction of Engineer-in-charge.
6. The rate for different items of work shall apply for all heights and depths unless otherwise specified and no such claim on this account shall be entertained. The rate of all items of works shall unless clearly specified otherwise include cost of all labours, material & other inputs involved in the execution of the items.
7. The contractor's rate shall among other things include the cost of working in multiple shifts round the clock. if necessary including gazetted holiday and the cost of mobilization. of all type of resources" T & P, lighting etc.
8. The contractor shall leave such recesses, holes, openings etc as may be required for electrical and sanitary works. No extra payment shall be made to him on this account.
9. The contractors shall make adequate fire fighting arrangement and shall be fully responsible for any fire consequences at the work site.
10. Materials shall conform to CPWD specifications. No extra payment will be admissible to the agency for transportation for CPWD specified materials from and to outside JAMMU. The agency's rates will be deemed to be included in the quoted rates.

11. Where the contractor is required to provided materials of certain sizes or weights which may have become out of market due to change over to metric standards, substitute conforming to the nearest higher equivalents as approved by the Engineer- in-charge shall be used. No claim to extra payment shall be entertained on this account.
12. All materials, articles and workmanship shall be the BEST of their respective kind for the class of work described in the contract, specification and schedule of quantities. All materials shall be subject to the approval of the Engineer-in-charge. The word "BEST" used in those specifications shall mean that in the opinion of the Engineer-in-charge there is no superior quality of material or finish of articles in the market available for the nature of the item described I the contract schedule. The Engineer-in-charge or his authorized representative shall have the absolute power to make the contractor purchases and use such materials of particular source as may, in his opinion be necessary for proper compliance with the specification and execution of work.
13. The water shall be tested by the contractor with regard to the suitability for use in RCC and other items of work and nothing extra shall be paid thereon.
14. Wherever the word CPWD refers in the printed book of "general conditions of contract for Central P.W.D. works it may be read as "CCW, AKASHVANI".
15. Steel shuttering shall be used in all the CC &RCC work.
16. English version of the contract including corrections any shall deemed to be accepted for all contractual obligations.
17. Cement and steel required to complete the work shall be arranged by the contractor. The contractor is required to produce the proof of purchase of cement and steel as and when desired by the Engineer-in-charge.
18. Due recoveries as per the norms & GST (as decided by the government) shall be recovered from the bill & the quoted rates by the agency shall be inclusive of GST.
19. The agency may ensure/ see the water table condition at site. The agency shall make his own arrangement for pumping out sub-soil water/rain water during execution of work and nothing extra shall be payable on account of pumping out of sub-soil water, water and on account of working under water or liquid mud and under foul position.

D/M(C)-I

ASW(C)

Executive Engineer (C)

**LIST OF APPROVED MAKE OF MATERIALS**  
**(FOR CIVIL WORKS)**

Specification/brands names of materials (refer materials, whichever are applicable for the scope of work) and finishes approved by the Architect/engineer-in-Charge are listed below. However approved equivalent materials and finishes of any other specialized firms may be used, in case it is established that the brands specified below are not available in the market and subject to approval of the alternate brand by the Architect/Engineer-in-Charge.

| <b>MATERIALS</b>                       | <b>APPROVED MAKE</b>   |
|--|--|
| Cement - OPC/PPC                       | ACC, Ultratech, Shree Cement, Birla, Ambuja, Century   |
| White Cement                           | JK & BIRLA   |
| Steel Reinforcement                    | SAIL, TISCO, Rashtriya Ispat Nigam Limited(RINL)   |
| Ready Mix Concrete                     | Ultratech, Rmc India, Techno, ACC  |
| SS Cramp & Dash Fastner                | Hilty, Fisher, Concept or equivalent as approved by Engineer-in-Charge   |
| CC Paver Block M-30 or any other Grade | M/s Dalal Tiles Industries, JCC tiles precast Ltd., NTC.   |
| Flush Doors                            | Century Ply Board/National Plywood/Duro Door   |
| Stainless Steel                        | Kich/Fitwell/Arch  |
| Screws                                 | Kich, Fitwell  |
| Glass Panes                            | Modi Float/ /Saint Gobain/Haryana Sheet Glass  |
| Synthetic enamel paint                 | Luxol hi gloss brand of Berger paints, apcolite brand of Asian Paints, Nerolac Brand of good lass Nerolac paints.        |
| Plastic emulsion paint                 | Luxol SILK brand, RANGOLI BRAND of berger paints, Royal Brand of Asian Paints, Nerolac Brand of goodlass Nerolac paints. |
| Oil bound distemper                    | Bison brand of Berger paints, Tractor brand of Asian Paints, solder brand of goodlass Nerolac paints.                    |
| Fire Resistant Shutter                 | NAVAKASHVANI, GODREJ, ADHUNIK  |
| Exterior Paint                         | Snowcem India Ltd., Asian, Johnson & Nicolson  |
| Cement Primer                          | Klick Nixon, Farco Brand of ICI  |
| Viterous China Wares                   | Hind Ware/Jaquar/Duravit   |
| Stainless Steel Sink                   | Neel Kanth/Jayana/Nirali   |
| C.P. Brass Fittings (ISI/ BSI Marked)  | Jaquar (ESSCO series)/Marc/Hindware  |
| SCI / CI Pipes, Fittings               | SRF/NECO,/SKF  |
| GI Pipes                               | Jindal/Prakash/Tata  |
| PVC Tanks                              | Sintex/Shital/Rotax  |

|   |  |
|---|--|
| GI Fittings                             | Unik/KM  |
| Brass Stop / Bib Cock                   | LINK/LEADER/PRIMA  |
| Ball Valve & Plates                     | LINK/LEADER/PRIMA  |
| Gun Metal Valve                         | Sant/Leader/ZOLOTO   |
| SW Pipes                                | Anand/Perfect  |
| Vitrified/Ceramic Tiles(Double Charged) | Orient, NITCO, Kajaria, Somany   |
| Aluminium Section                       | Hindalco/Jindal/Indalco (Powder Coating as per approval of Engineer-in-Charge) |
| PVC Low Level Cistern                   | Hindware or equivalent   |
| CI Manhole Cover & Frame                | RIF, Kajero, Neco  |
| Water Proofing Compound                 | Cico, Fosroc, Pidilite   |
| Bevelled Edge Mirror                    | Modi Guard, Atul   |
| Stainless Steel Railing                 | Fitwell, Arch, Kich  |
| Exterior Wall Putty                     | Birla Wall Putty/JK Wall Putty   |
| PPR Pipes & Fittings                    | Prince, Fusion, Amitex, Victors  |
| RCC Pipe                                | JAIN, SPUN, PARTIBHA, LAXMI  |
| SW Pipe & Gully Trap                    | HIND, PERFECT, BURN  |
| Hardware Fittings                       | Dorma, Dorset, Godrej  |
| Laminate                                | Greenlam, Royal Touch, Formica   |
| Structural Steel                        | SAIL, TISCO  |
| Calcium Silicate False Ceiling          | Aerolite, Armstrong, Llyod   |
| Tile Adhesive                           | Laticrete, Bayer, Bal Endura   |

1. All other items shall be of ISI/BIS Mark as per approved sample kept at site of work.
2. The contractor shall provide the materials as per the make or brand indicated above. When two or more alternative/brands have been mentioned, the brand selected by the Engineer-in-Charge shall be final and binding.

D/M(C)-I

ASW(C)

Executive Engineer (C)

**TERMINATION OF CONTRACT ON DEATH OF CONTRACTOR**

Without prejudice to any of the rights or remedies under this contract, if the contractor dies during the progress of work, the Engineer – in -charge on behalf of the President of India, shall have the option of terminating the contract without compensation to the contractor on his legal heir(s).

Further, any sum recoverable from the contractor shall be recovered from any amount of the contractor available under this contract or any other contract and only the balance amount after such recovery shall be payable to the legal heir(s) of the contractor upon his death.

D/M(C)-I

ASW(C)

Executive Engineer (C)

**ANNEXURE – Y****Tentative List of Testing Equipment at field laboratories (However testing equipment shall be provided at site as per direction of Engineer-in-Charge).**

- (i) Balances:
  - (a) 1kg to 10 kg. Capacity, Semi-self indicating type-Accuracy 10 gm
  - (b) 500 gm. Capacity. Semi-self indicating type Accuracy 1 gm
  - (c) Pan Balance - 5 Kg. Capacity, accuracy 10 gm.
- (ii) Sieves: as per is 460-1962.
  - (a) I.S. Sieves - 450 mm internal dia of sizes 100 mm, 80 mm, 63 mm, 50mm, 40 mm, 25 mm, 20 mm, 12.5 mm, 10 mm, 6.3 mm, 4.75 mm complete with lid and pan.
  - (b) IS Sieves - 200 mm internal dia. (brass frame) consisting of 2.36 mm, 1.18 mm, 600 microns, 425 microns, 300 microns, 212 microns, 150 microns, 90 microns, 75 microns with lid and pan.
- (iii) Sieve shaker capable of 200 mm and 300 mm dia. sieves, manually operated with timing switch assembly.
- (iv) Equipment for slump test - Slump Cone, Steel Plate, tamping rod, steel scale, scoop.
- (v) Dial gauges 25 mm travel - 0.01 mm/division. (least count)
- (vi) Graduated measuring cylinders 200 ml capacity of Borocil make or equivalent or ISI marked.
- (vii) ISI marked 150 X 150 X 150 mm concrete cube moulds as per site requirement.
- (viii) Sand pouring Cylinder with control funnel and tube complete as per IS: 2720-part XXVIII-1974
- (ix) Distant reading thermometers.
- (x) Graduated cylinder 1000 ml. Capacity.
- (xi) **Ovens**-electrically operated, thermostatically controlled up to 110<sup>0</sup> C– sensitivity 1<sup>0</sup>C.
- (xii) **100 tonnes compression testing machine**, electrical-cum manually operated.
- (xiii) **Enamel trays** (for efflorescence test for bricks).
  - i) 300 mm x 250 mm x 40 mm- 2 nos.
  - ii) Circular plates of 250 mm dia – 4 nos.



**Field Testing Instruments**

The contractor shall have the following field-testing instruments for checking of quality of work at field by him & by the officers of department.

- (i) Steel tapes - 3 m /30 meters
- (ii) Vernier Calipers (one number digital)
- (iii) Micrometer Screw 25 mm gauges (one number digital)
- (iv) Good quality plumb bobs
- (v) Spirit levels minimum 30 cms long with 3 bubbles for horizontal vertical
- (vi) Wire gauge (circular type) disc.
- (vii) Foot rule
- (viii) Long nylon thread
- (ix) Magnifying glass
- (x) Screw driver 30 cms long
- (xi) Ball pen hammer, 100 gms
- (xii) Plastic bags for taking samples
- (xiii) Moisture meter for timber
- (xiv) Digital Distance meter (digital)/laser range meter.
- (xv) Leveling machine (digital)
- (xvi) Theodolite
- (xvii) Rebound hammer for testing concrete
- (xviii) Dynamic penetrometer

D/M(C)-I

ASW(C)

Executive Engineer (C)

# PART – B

## **GENERAL CONDITIONS**

1. Unless otherwise specified, CPWD Specifications 2019 Volume I & II with up to date (i.e., date of opening of financial Bids) corrections slips shall be followed in general. Any additional item of work, if taken up subsequently, shall also conform to the relevant CPWD specifications mentioned above. Should there be any difference or discrepancy between the description of items as given in the schedule of quantities, particular specifications for individual items of work (including special conditions) and I.S. Codes etc., the following order of preference shall be observed:
  - (i) Description of Schedule of quantities.
  - (ii) Special conditions and particular specifications.
  - (iii) Drawings
  - (iv) CPWD Specifications.
  - (v) Indian Standard Specifications of B.I.S.

## **2. INSPECTION OF SITE**

The Contractors are advised to inspect and examine the site and its surroundings and satisfy themselves with the nature of site, the means of access to the site, the constraints of space for stacking material machinery, labour etc. constraints put by local regulations, if any, weather conditions at site, general ground / subsoil conditions etc. or any other circumstances which may affect or influence their tenders.

3. The Contractor shall, if required by him, before submission of the tender, inspect the drawings in the Office of the Engineer-in-Charge. The Department shall not bear any responsibility for the lack of knowledge and also the consequences, thereof to the Contractor. The information and data shown in the drawings and mentioned in the tender documents have been furnished, in good faith, for general information and guidance only. The Engineer-in-Charge, in no case, shall be held responsible for the accuracy thereof and or interpretations or conclusions drawn there from by the Contractor and all consequences shall be borne by the Contractor. No claim, whatsoever, shall be entertained from the Contractor, if the data or information furnished in tender document is different or in-correct otherwise or actual working drawings are at variance with the drawings available for inspection or attached to the tender documents. It is presumed that the Contractor shall satisfy himself for all possible contingencies, incidental charges, wastages, bottlenecks etc. likely during execution of work and acts of coordination, which may be required between different agencies. Nothing extra shall be payable on this account.

4. Results of sub-surface investigations conducted at site are indicated in extracts of the report if any available in the office of Executive Engineer (C), CCW, AIR, Jammu. This information about the soil and sub-soil water conditions is being made available to the Contractor, in good faith, for guidance only and the Contractor is advised to obtain details directly as may be considered necessary by him before quoting rates in the tender. No claim whatsoever on account of any discrepancy between the sub-surface strata conditions that may be actually encountered at the time of execution of the work and those given in these tender documents, in-accuracy or interpretation thereof shall be entertained from the Contractor under any circumstances.
5. During execution, if water encountered from rain, floods, or any other source whatever, may be, the contractor shall carry out dewatering (at his own cost), as and when required. Nothing extra shall be payable on this account.
6. The nomenclature of the item given in the schedule of quantities gives in general the work content but is not exhaustive i.e. does not mention all the incidental works required to be carried out for complete execution of the item of work. The work shall be carried out, all in accordance with true intent and meaning of the specifications and the drawings taken together, regardless of whether the same may or may not be particularly shown on the drawings and / or described in the specifications, provided that the same can be reasonably inferred there from. There may be several incidental works, which are not mentioned in the nomenclature of each item but will be necessary to complete the item in all respect. All these incidental works / costs which are not mentioned in item nomenclature but are necessary to complete the item shall be deemed to have been included in the rates quoted by the contractor for various items in the schedule of quantities. No adjustment of rates shall be made for any variation in quantum of incidental works due to variation / change in actual working drawings. Also, no adjustment of rates shall be made due to any change in incidental works or any other deviation in such element of work (which is incidental to the items of work and are necessary to complete such items in all respects) on account of the directions of Engineer-in-Charge. Nothing extra shall be payable on this account.
7. If there are varying or conflicting or contradictory provision made in General Condition of contract, CPWD-8 and Conditions mentioned in Tender Document, decision of Superintending Engineer shall be final & binding & such decision shall be outside the purview of arbitration.
8. The Contractor shall make arrangements for site office, stores, toilets etc. for site staff as directed by Engineer-in-charge and shall also provide all required facilities.
9. All ancillary and incidental facilities required for execution of work like labour camp, stores, fabrication yard, offices for Contractor, watch and ward, temporary ramp required to be made for working at the basement level, temporary structure for plants and machineries, water storage tanks, installation and consumption charges of temporary electricity, telephone, water etc. required for execution of the work, protection works, barricading, testing facilities laboratory at site of work, facilities for all field tests and for taking samples etc. during execution or any other activity which is necessary ( for execution of work and as directed by Engineer-in-Charge), shall be deemed to be included in rates quoted by the Contractor, for various items in the schedule of quantities. Nothing extra shall be payable on these accounts.

Before start of the work, the Contractor shall submit to the Engineer-in-Charge, a site / construction yard layout, specifying areas for construction, site office, positioning of machinery, material yard, cement and other storage, steel fabrication yard, site laboratory, water tank, etc .

10. The Contractor shall keep himself fully informed of all acts and laws of the Central & State Governments, all orders, decrees of statutory bodies, tribunals having any jurisdiction or authority, which in any manner may affect those engaged or employed and anything related to carrying out the work. All the rules & regulations and bye-laws laid down by Local Body of Jammu and any other statutory bodies shall be adhered to, by the contractor, during the execution of work. The Contractor shall also adhere to all traffic restrictions notified by the local authorities. All statutory taxes, levies, charges (including water and sewerage charges, charges for temporary service connections and / or any other charges) payable to such authorities for carrying out the work, shall be borne by the Contractor. The Contractor shall arrange to give all notices as required by any statutory / regulatory authority and shall pay to such authority all the fees that is required to be paid for the execution of work. He shall protect and indemnify the Department and its officials & employees against any claim and /or liability arising out of violations of any such laws, ordinances, orders, decrees, by himself or by his employees or his authorized representatives. Nothing extra shall be payable on these accounts. The fee payable to statutory authorities for obtaining the various permanent service connections and Occupancy Certificate for the building shall be borne by the Department.
11. Royalty at the prevalent rates shall be paid by the Contractor as per the terms of supply between them on all materials such as wood earth boulders, metals, sand and bajri etc. collected by him for the execution of the work, directly to the revenue authority of the state Govt. concerned. Nothing extra shall be payable on this account.
12. No foreign exchange shall be made available by the Department for importing (purchase) of equipments, plants, machinery, materials of any kind or any other items required to be carried out during execution of the work. No delay and no claim of any kind shall be entertained from the Contractor, on account of variation in the foreign exchange rate.
13. The Contractor shall assume all liability, financial or otherwise in connection with this contract and shall protect and indemnify the Department from any and all damages and claims that may arise on any account. The Contractor shall indemnify the Department against all claims in respect of patent rights, royalties, design, trademarks of name or other protected rights, damages to adjacent buildings, roads or members of public, in course of execution of work or any other reasons whatsoever, and shall himself defend all actions arising from such claims and shall indemnify the Department in all respect from such actions, costs and expenses. Nothing extra shall be payable on this account.
14. Unless otherwise provided in the Schedule of quantities the rates bidden by the contractor shall be all inclusive and shall apply to all heights, lifts, leads and depths of the building and nothing extra shall be payable to him on this account. Payment for centering, shuttering, however if required to be done for floor to floor heights greater than 3.5 m. shall be admissible at rates arrived at in accordance with clause-12 of the agreement if not already specified.

15. Some restrictions may be imposed by the client department on the working and for movement of labour, materials etc. the contractor shall be bound to follow all such restriction/ instructions and nothing extra shall be payable on this account.
16. The contractor shall give a performance test of the entire installation(s) as per standing specifications before the work is finally accepted and nothing extra whatsoever shall be payable to the contractor for the test.
17. The contractor shall bear all incidental charges for cartage, storage and safe custody of materials issued by department or procured by the contractor and nothing extra shall be payable to the contractor on their accounts.
18. Materials shall conform to CPWD specifications. No extra payment will be admissible to the agency for transportation for CPWD specified materials from and to outside Jammu & Kashmir. The agency's rates will be deemed to be included in the quoted rates.
19. Where the contractor is required to provide materials of certain sizes or weights which may have become out of market due to change over to metric standards, substitute conforming to the nearest higher equivalents as approved by the Engineer-in-charge shall be used. No claim of extra payment shall be entertained on this account.
20. English version of the contract including corrections any shall deemed to be accepted for all contractual obligations.
21. The agency may ensure/ see the water table condition at site. The agency shall make his own arrangement for pumping out sub-soil water/rain water during execution of work and nothing extra shall be payable on account of pumping out of sub-soil water, rain water and on account of working under water or liquid mud and under foul position.
22. The contractor shall arrange all major Tools, Plants and Equipments or any other machinery required, apart from the list as mentioned under clause 18 of Schedule "F", for execution of work, in good condition at appropriate time and nothing extra shall be paid on this account. However this shall not relieve the contractor of any responsibilities to complete the work within the stipulated time.
23. Contractor has to acquaint themselves with the prevailing site conditions and shall quote their rates accordingly. Nothing extra will be admissible on these grounds.
24. Wherever any reference to any Indian Standard Specification occurs in the documents relating to this contract, the same shall be inclusive of all amendments, issued thereto or revision thereof, if any, upto the date of receipt of tenders.
25. Unless otherwise specified in the schedule of quantities, the rates for all items of work shall be considered as inclusive of pumping out or bailing out water, if required for which no extra payment will be made. This will include water encountered from any source such as rains, floods, sub soil water table being high and / or due to any other cause whatsoever.

26. The work shall be executed and measured as per metric dimensions given in the schedule of quantities, drawing etc. (FPS units wherever indicated are for guidance only).
27. The contractor will have to work according to the programme of work, as decided by the Engineer-in-charge for the purpose of which the contractor should submit a tentative programme of the work within one month from the date of start of the work. The contractor shall also construct a sample unit complete in all respects within time specified by the Engineer-in-charge and this sample unit shall be got approved from the Engineer-in-charge before mass construction is taken up. No extra claim whatsoever beyond the payment due at agreement rates will be entertained from the contractor on this account.
28. The work shall be carried out in accordance with the Architectural drawings and structural drawings. The structural and architectural drawings, shall have to be properly correlated before executing the work. In case of any difference noticed between architectural and structural drawings, final decision, in writing of the Engineer-in charge shall be obtained by the contractor. In case of any discrepancy in the item given in the schedule of quantities appended with the tender and architectural drawings related to the relevant items, the former shall prevail unless and otherwise given in writing by the Engineer-in-charge. Samples shall be prepared before starting particular items of work for prior approval of the Engineer-in-charge and nothing extra shall be payable on this account.
29. All the material to be used on works shall bear BIS certification mark unless otherwise the make is specified in the term or special conditions appended with this tender document. In case BIS mark materials of the materials mentioned in the tender documents are not available, as per opinion of Engineer-in-charge specifications applicable in this tender or IS code. In such case Engineer-in-charge shall satisfy himself about the quality of such materials and give his approval in writing. Only articles classified as first quality by the manufacturers shall be used unless otherwise specified. All material not having BIS mark shall be tested as per relevant ISI specifications. The Engineer-in-charge may relax the condition regarding testing if the quantity of the materials required for the work is small. In all cases of use of BIS marked materials proper proof of procurement of materials from authentic manufacturers shall be provided by the contractor to the entire satisfaction of Engineer-in-charge.
30. All materials equivalent to the one specified should be got approved by the Engineer-in-charge before using the said materials in the work.
31. Some restrictions may be imposed by the security staff etc. on the working and for movement of labour, materials etc. The contractor shall be bound to follow all such restrictions/ instructions and noting extra shall be payable on this account.
32. In addition to other mandatory tests for RCC, the Ultrasonic Pulse Velocity method of test will be conducted as per Technical circular no. 18 issued by CPWD vide letter no. G – 2/SE (QA)/CSQ/69 dated 12.02.2013. The cost of testing shall be borne by the executing agency.

33. The day to day receipts and issue of cement shall be governed as per the direction of Engineer-in-charge.
34. The water shall be tested by the contractor with regard to the suitability for use in RCC works and nothing extra shall be paid thereon.
35. 82.90 MT (approx.) Cement is required to complete the work shall be arranged by the Contractor. The quantities mentioned herein above are only tentative and may vary as per drawings and designs. Conditions for cement and steel are enclosed. Refer Page No.52 to 57 under Special Conditions for Cement and Steel. The contractor is required to produce the proof of purchase of cement and steel as and when desired by the Engineer-in-Charge.
36. The contractor shall produce the test report of all mandatory test of cement conforming to relevant code of BIS before use on the work.
37. The contractor should engage licensed plumbers for the work and get the materials (fixtures/fittings) tested by the Municipal Body/ Corporation Authorities wherever required at his own cost.
38. Any cement slurry added over base surface (or) for continuation of concreting for better bond is deemed to have been in built in the items and nothing extra shall be payable (or) extra cement considered in consumption on this account.
39. The contractor shall be responsible for the protection of sanitary and water supply fittings and fixtures against pilferage and breakage during that period of installation and thereafter until the building is handed over.
40. The rates quoted by the contractor shall be inclusive of all applicable taxes including GST etc. and nothing extra shall be payable on this account.
41. Mandatory disclosure of recipient GSTIN on invoice for claiming ITC: Since no input Tax Credit (ITC) can be allowed under GST if GSTIN of the recipient of the supply is not mentioned on the face of invoice issued by registered person, hence specific GSTIN of the concerned unit on the face of invoice and, in GSTR-1 filed by the supplier should be disclosed
42. Penal Clause: In case, any credit, refund or benefit is denied or delayed to the Buyer due to non-compliance by the Seller (ex: non-payment of GST on supplies, non-disclosure or incorrect disclosure in GST returns), the Seller would reimburse an amount equivalent to the loss including, but not limited to, the tax loss, interest and penalty to Prasar Bharati.



**SPECIAL CONDITIONS**

1. In order to complete the work within the scheduled time if the contractor shall be required to do the work in more than one shift and accepted by the department the contractor will provide vehicular facilities to the AIR: CCW site staff to reach the site and their residence at his own cost if their services are required beyond the normal office hours. In case the contractor fails to provide the facilities Engineer-in-charge shall be at liberty to make the arrangement themselves and deduct the respective cost from the contractor's bills.
2. Contractor shall give the Engineer-in-charge on the 5<sup>th</sup> day of each month, progress report of the work done during the previous month. Such progress report will include the project progress summary, work progress (planned viz actual), milestone status, financial progress status, manpower deployment status, important materials consumed, materials at site at the beginning of the month of report, materials consumed during the month and the balance quantities at the end of month and photographs of important activities as well as showing progress of the work.
3. The contractor shall also provide the detail as aforesaid, if Department requires in between the month so as to have in hand latest detail to attend the meetings or references for sending to HQ of Deptt. and Client.
4. Existing drains, pipes, cables, over-head wires, sewer lines, water lines and similar services , if any encountered in the course of the execution of work shall be protected against the damage by the contractor at his own expense. The contractor shall not store materials or otherwise occupy any part of the site in a manner likely to hinder the operation of such services. In case temporary supporting/shifting of such services is required to facilitate the work, the same shall be done by the contractor at no extra cost.

In case the existing services are to be shifted permanently, then before dismantling the existing services, alternate/diversion of service lines has to be laid by the contractor so that there is no interruption in use of existing services. The contractor has to plan the alternate suitable route for diversion/shifting of service lines and get the same approved from the Engineer-in-charge before starting shifting of services. Nothing extra shall be paid except the payment of dismantling and laying of new service lines as per conditions of contract.

5. The contractor shall be responsible for the watch and ward / guard of the buildings, safety of all fittings and fixtures including sanitary and water supply fittings and fixtures provided by him against pilferage and breakage during the period of installations and thereafter till the building is physically handed over to the department along with completion drawings. No extra payment shall be made on this account.
6. All materials and fittings brought by the contractor to the site for use shall conform to the samples approved by the Engineer-in-charge which shall be preserved till the completion of the work. If a particular brand of material is specified in the item of work in Schedule of Quantity, the same shall be used after getting the same approved from Engineer-In-Charge. Wherever brand / quality of material are not specified in the item of work, the contractor shall submit the samples as per list of preferred makes given in the tender document / particular specifications for approval of Engineer-In-Charge. For all other items, materials and fittings of BIS Marked shall be used with the approval of Engineer-In-Charge. Wherever BIS Marked material fittings are not available, the contractor shall submit samples of materials/fittings manufactured by firms of repute conforming to relevant specifications or is codes and use the same only after getting the approval of Engineer-In-Charge. To avoid delay, contractor should submit samples as stated above well in advance so as to give timely orders for procurement. If any material, even though approved by Engineer-In-Charge is found defective or not conforming to specifications shall be replaced/removed by the contractor at his own risk & cost.
7. The contractor shall ensure quality construction in a planned and time bound manner. Any sub-standard material/ work beyond set-out tolerance limit shall be summarily rejected by the Engineer-in-charge & contractor shall be bound to replace / remove such sub-standard / defective work immediately.
8. BIS marked materials except otherwise specified shall be subjected to quality test besides testing of other materials as per the specifications described for the item/material. Wherever BIS marked materials are brought to the site of work, the contractor shall, furnish manufacturer's test certificate or test certificate from approved testing laboratory to establish that the material procured by the contractor for incorporation in the work satisfies the provisions of specifications relevant to the material and / or the work done. BIS marked items (except cement & steel for which separate provisions have been made) required on the work shall also be got tested but only important tests, which govern the quality of the product shall be carried out as decided by the Engineer-In-Charge.  
For certain items, if frequency of tests is not mentioned in the CPWD Specifications & BIS, then tests shall be carried out as per decision of Engineer-in-charge.

**ADDITIONAL CONDITIONS**

1. The contractors shall make their own arrangement for temporary electric connection at works and make necessary payment for it directly to the department concerned. The wiring done by the contractor shall conform to the electrical regulation of statutory bodies and will be consistent with the safety requirements of the site. The Engineer-in-charge's decision regarding the safety aspect shall be final and binding on the contractor.
2. Other agencies doing works related with this project will also simultaneously execute the works and the contractor shall afford necessary facilities for the same. Conduits for electrical wiring/cables will be laid in a way that they leave enough space for concreting and do not adversely affect the structural members. Nothing extra over the agreement rates shall be paid for the same.
3. As the site is situated in high security zone in functional building some restrictions may be imposed by the client department on the working and for movement of labour, materials etc. The contractor shall be bound to follow all such restriction/ instructions and nothing extra shall be payable on this account. No labour except chowkidar shall be allowed to stay in the campus after working hours.
4. Contractor shall provide, erect and maintain temporary protective screen/ Jali with all necessary fixing arrangement and to ensure that it remains in position during execution and remove the same after completion of work as a safety measure conforming to CPWD Safety Code and as per direction of Engineer-in-charge without any extra cost.
5. The contractor shall give to the Municipality, Police and other local authorities all notices etc. that may be required by law and obtain all requisite licenses, permission for temporary construction that may be required for execution of work, obstruction in public places & pay all fines, taxes and charges which may be liable on account of their operation, in executing the contract. They shall make good any damage to adjoining property whether public or private and shall supply and maintain any light (either for illumination or for cautioning the public) required at night.
6. The contractor shall provide adequate lighting arrangement as approved by the Engineer-in-charge for carrying out the works during night times when required and also provide all other facilities for the labour employed to carry out the works without any extra charge. Necessary lighting as directed by the Engineer-in-charge shall also be provided by the contractor without any extra charges for yard lighting as well as to cover the entire site including those required for safety and security reasons.
7. The contractor's rate shall among other things include the cost of working in multiple shifts round the clock, if necessary including gazetted holiday and the cost of mobilization of all type of resources, T&P, lighting etc.
8. The contractor shall leave such recesses, holes, openings etc as may be required for electrical and sanitary works. No extra payment shall be made to him on this account.
9. The contractor shall make adequate fire fighting arrangement and shall be fully responsible for any fire consequences at the work site.
10. The contractor shall make available the Shop drawings of all the required fabrication work as and when required before execution at site.

11. Wherever the word 'CPWD' refers in the printed book of 'General conditions of contract for Central P.W.D works it may be read as 'CCW, AIR' (which stands for Civil Construction Wing, All India Radio).
12. The contractor shall quote rates including work contract GST, other taxes, Cess and levies. However, Contractor shall submit to the department the GST compliant tax invoice along with running /final account bills.
13. The contractor shall take instructions from the Engineer-in-charge for stacking of materials in any place. No excavated earth or building material shall be stacked on areas where other buildings, roads, services or compound walls are to be constructed.

**CONDITIONS FOR CEMENT**

- 1.1 The contractor shall procure OPC/PPC (conforming to IS 8112 specifications), as required in the work, from reputed manufacturers of cement having a production capacity not less than one million tonnes or more per annum, such as ACC, Ultra Tech, J.P. Rewa, Vikram, Shree Cement, Birla Jute, Ambuja & Cement Corporation of India, etc. as approved by Ministry of Industry, Government of India, and holding license to use ISI certification mark for their product. The tenderers may also submit a list of names of cement manufacturers which they propose to use in work. The tender accepting authority reserves right to accept or reject name(s) of cement manufacturer(s) which the tenderer proposes to use in the work. No change in tendered rates will be accepted if the tender accepting authority does not accept the list of cement manufacturers, given by the tenderer, fully or partially.  
The supply of cement shall be taken in 50 Kg. bags bearing manufacturer's name and ISI marking. Samples of cement arranged by the contractor shall be taken by the Engineer-in-Charge and got tested in accordance with provisions of relevant BIS codes. In case test results indicate that the cement arranged by the contractor does not conform to the relevant BIS codes, the same shall stand rejected, and it shall be removed from the site by the contractor at his own cost within a week's time of written order from the Engineer-in-Charge to do so.
- 1.2 The cement shall be brought at site in bulk supply of approximately 50 tonnes or as decided by the Engineer-in-charge.  
The cement godown of the capacity to store a minimum of 1000 bags of cement shall be constructed by the contractor at site of work for which no extra payment shall be made.
- 1.3 Double lock provision shall be made to the door of the cement godown. The keys of one lock shall remain with the Engineer-in-Charge or his authorized representative and the keys of the other lock shall remain with the contractor. The contractor shall be responsible for the watch and ward and safety of the cement godown. The contractor shall facilitate the inspection of the cement godown by the Engineer-in-Charge at any time.
- 1.4 The cement shall be got tested by the Engineer-in-Charge and shall be used on the work only after satisfactory test results have been received. The contractor shall supply free of charge the cement required for testing including its transportation cost to testing laboratories. The cost of test shall be borne by the contractor/Department in the manner indicated below:
  - (a) By the contractor, if the results show that the cement does not conform to relevant BIS codes.
  - (b) By the Department, if the results show that the cement conforms to relevant BIS codes.
- 1.5 The actual issue and consumption of cement on work shall be regulated and proper accounts maintained as provided in Clause 10 of the contract. The theoretical consumption of cement shall be worked out as per procedure prescribed in clause 42 of the contract and shall be governed by conditions laid therein. In case the cement consumption is less than theoretical consumption including permissible variation, recovery at the rate so prescribed shall be made. In case of excess consumption no adjustment need to be made.

- 1.6 The cement brought to site and the cement remaining unused after completion of work shall not be removed from site without the written permission of the Engineer-in-Charge.
- 1.7 The damaged cement shall be removed from the site immediately by the contractor on receipt of a notice in writing from the Engineer-in-Charge. If he does not do so within three days of receipt of such notice, the Engineer-in-Charge shall get it removed at the cost of the contractor.

Chief Engineer may change the brand of Cement depending upon availability in local market, if needed. Instructions in this respect can be issued by them at regular intervals. The name of manufactures should be finalized after taking into considering the suggestions of contractors during pre bid meeting, if any.

- 1.8 Concrete mix design shall be got approved from Executive Engineer(C),CCW, AIR Jammu, before execution of work.

## **2. CONDITIONS FOR STEEL WORKS:**

- 2.1 The contractor shall procure Thermo Mechanical Treated (TMT) Steel Reinforcement bars from Main producers of steel like SAIL, Rashtriya Ispat Nigam Ltd. TISCO. The documents in support of the purchase of steel shall be produced by the contractor along with the particulars of the manufacturer/supplier of steel for every lot of steel.

Specifications of thermo -mechanically treat bars (TMT bars):-

### **Mechanical Properties**

| Parameter             | Minimum Value |
|-----------------------|---------------|
| Yield Strength        | 500 N/mm sq.  |
| Tensile Strength      | 550 N/mm sq.  |
| Elongation Percentage | 12.5%         |

The contractor shall submit original vouchers from the manufacturer for the total quantity of steel supplied under each consignment to be incorporated in the work. All consignment received at the work site shall be inspected by the Site staff along with the relevant documents before acceptance. The contractor shall obtain Original Vouchers and Test Certificates and furnish the same to the Engineer -in-Charge in respect of all the lots of steel brought by him from approved supplier to the site of work. The original vouchers and test certificates shall be defaced by the Site staff and kept on record in the site office.

Samples shall also be taken and got tested by the Engineer-in-Charge as per the provisions in this regard in relevant BIS codes. In case the test results indicate that the steel arranged by the contractor does not conform to BIS codes; the same shall stand rejected and shall be removed from the site of work by the contractor at his OWN cost within a week's time from written orders from the Engineer-in Charge to do so. Unless OTHERWISE specified elsewhere in the contract document, the testing (nominal mass, tensile strength, bend test. rebound test etc.) shall be done as per frequency specified under relevant manual and I S codes of samples not less than as given below:-

| Size of Bar       | For consignment below 100 Tones               | For Consignment Over 100 Tones                |
|-------------------|---|---|
| Under 10 mm dia.  | One sample for each 25 tones or part thereof. | One sample for each 40 tones or part thereof. |
| 10mm to 16mm dia. | One sample for each 35 tones or part thereof. | One sample for each 45 tones or part thereof. |
| Over 16mm dia.    | One sample for each 45 tones or part thereof  | One sample for each 50 tones or part thereof. |

- 2.2 The steel reinforcement shall be brought in quantity as decided by the Engineer-in-Charge along with manufacturer test certificate for each lot.
- 2.3 The steel reinforcement shall be stored by the contractor at site of work about 30cm. to 45 cm. above ground. A coat of cement wash shall be given to steel bars when stored at site for long duration so as to prevent corrosion. Nothing extra shall be paid on these accounts. Bars of different sizes and lengths shall be stored separately to facilitate easy counting and checking.
- 2.4 The contractor shall supply free of charge the steel required for testing. The cost of tests shall be borne by the contractor/Department in the manner indicated under addition general conditions in tender documents.
- 2.5 The Actual issue and consumption of steel on work shall be regulated and proper account maintained as per provision of the Clause 10 of the contract. The theoretical consumption of steel shall be worked out as per procedure prescribed in Clause 42 of the contract and shall be governed by conditions laid therein. In case the consumption is less than theoretical consumption including permissible variations recovery at the rate so prescribed shall be made .In case of excess consumption no adjustment need to be made.
- 2.6 The actual issue of steel shall be actual weight of total quantity of Steel received at the site less actual weight of balance quantity of steel lying unutilized at the work site.
- 2.7 Steel brought to site and steel remaining unused shall not be removed from site without the written permission of the Engineer-in-Charge.
- 2.8 TMT bars of appropriate grade from approved main producers having Thermax or Tempcore system of treatment and valid BIS license under IS: 1786 -2008 shall only be allowed to be used in the work.
- 2.9 Reinforcement including authorized spacer bars and lap pages shall be measured in length of different diameters as actually (not more than as specified in the drawings) used in the work nearest to a centimeter. Wastage and unauthorized overlaps shall not be measured.
- 2.10 The standard sectional weights referred to as in CPWD Specification 2019 Vol. -I & II with correction slips issued upto the last date of uploading of tender will be considered for conversion of length of various sizes of M.S. Bars, Tor Steel Bars and T.M.T. bars into Standard Weight.

- 2.11 Records of actual Sectional weights shall also be kept dia.-wise and lot-wise. The average sectional weight for each diameter shall be arrived at from samples from each lot of steel received at site. The decision of the Engineer-in-Charge shall be final for the procedure to be followed for determining the average sectional weight of each lot. Quantity of each diameter of steel received at site of work each day will constitute one single lot for the purpose. The weight of steel by conversion of length of various sizes of bars based on the actual weighted average sectional weight shall be termed as Derived Actual Weight.
- 2.12. (a) If the Derived Weight as in sub-Para (2.11) above is less than the Standard Weight as in Sub-Para (2.10) above then the Derived Actual Weight shall be taken for payment.
- b) If the Derived Actual Weight is found more than the Standard Weight, the Standard Weight as per in sub-Para (2.10) above shall be taken for payment. In such case nothing extra shall be paid for the difference between the Derived Actual Weight and the standard Weight.



## Annexure-I

| SI | Item  | Checkpoint   | Remarks |
|----|---|--|---------|
| 1  | Steel Producer having manufacturing facilities at Plant   | a. Factory address and Registration no.  |         |
|    |   | b. Certificate of manufacturing process  |         |
|    |   | c. Refining process of steel Producer  |         |
|    |   | c.1 BF- BOF route  |         |
|    |   | c.2 Corex - BOF route  |         |
|    |   | c. 3 DRI- EAF route  |         |
|    |   | With documentary evidence either for BOF or EAF  |         |
|    |   | d. Steel plant having infrastructure for producing sponge iron, billete and TMT Rebars               |         |
|    |   | e. Production and Quality Flow Chart   |         |
|    |   | f. Plant Evaluation and Process Verification   |         |
| 2  | Established   | g. List of Plant & Machinery   |         |
|    |   | <b>Document verification for:</b>  |         |
|    |   | a. Govt. / PSU Approvals   |         |
|    |   | b. Supply orders of TMT Re-bars in Govt. Projects (Minimum-5 years)                                  |         |
|    |   | c. Verification of direct supply orders to any State/Central Govt. Department                        |         |
| 3  | Indigenous  | d. User Certificate issued by any Govt. Department directly  |         |
|    |   | <b>Documentary evidence like;</b>  |         |
|    |   | a. Certificate of Incorporation  |         |
|    |   | b. Memorandum of Articles of Association   |         |
| 4  | Reliable  | c. Credit rating of the company from CARE/CRISIL/ICRA should not be C/D grade (minimum last 3 year)  |         |
|    |   | a. Test Results from Govt./NABL accredited laboratories  |         |
|    |   | b. In-house testing facility for physical/Chemical tests (NABL accredited)                           |         |
|    |   | d. Calibration Certificates  |         |
|    |   | e. List of Lab Equipments:   |         |
|    |   | e.1 Spectrometer   |         |
| 5  | Use of Iron-Ore/Processes Iron are as basic raw materials | e.2 Computerized UTM   |         |
|    |   | Verification of Iron-Ore/ Process iron ore invoices  |         |
| 6  | In-house rolling facility                                 | Plant verification to identify in-house rolling facilities, production of liquid steel & crude steel |         |

|   |                         |  |  |
|---|-------------------------|--|--|
| 7 | Licenses & Certificates | a. ISO9001:2008 Certification  |  |
|   |                         | b. ISO 14001:2004 Certification  |  |
|   |                         | c. OHSAS18001:2007 Certification   |  |
|   |                         | d. IS 1786:2008 (TMT Re-bars)  |  |
|   |                         | e. IS2830:1992 (Billets)   |  |
| 8 | Product Range           | TMT Re-bars FE 415/ 4150/500/ 5000/ 550/ 550D  |  |
|   |                         | CRS(Corrosion Resistant) & EQR(Earthquake Resistant) TMT Re-bars Size 8 to 36 mm dia |  |
|   |                         |  |  |

Note: DRI - EAF-> Direct Reduce Iron - Electric ARC Furnace  
 BF- BOF-> Blast Furnace - Basic Oxygen Furnace  
 COREX-BOF->COREX Furnace - Basic Oxygen Furnace.

# PART – C

**PROFORMA OF SCHEDULES (For Electrical Work)****Construction of playground arena at IIMC Jammu.****(S.H:- Supplying, Installation, Testing & Commissioning of Flood light fittings for Play ground).****SCHEDULE `A`**Schedule of quantities: - (Enclosed) for Electrical Work) **Page No. 79- 80.****SCHEDULE `B`**

Schedule of materials to be issued to the contractor:- NIL

| S.NO   | Description of item | Quantity | Rates in figures & words at which the material will be charged to the contractor | Place of issue |
|--|---------------------|----------|--|----------------|
| 1  | 2                   | 3        | 4  | 5              |
| -----NIL-----  |                     |          |  |                |
| <b>(Material required for the work shall be arranged by the contractor.)</b> |                     |          |  |                |
|  |                     |          |  |                |

**SCHEDULE `C`**

Tools and plants to be hired to the contractor

| S.No  | Description | Hire charges per day | Place of Issue |
|---|-------------|----------------------|----------------|
| 1   | 2           | 3                    | 4              |
| -----NIL-----   |             |                      |                |
| <b>(All the T&amp;P required for the work shall be arranged by the contractor.)</b> |             |                      |                |
|   |             |                      |                |

**SCHEDULE `D`**Extra schedule for specific requirements/documents for the work, if any : **NIL.****SCHEDULE `E`**

Reference to General Conditions of contract:- Reference to General Conditions of Contract for works with upto date correction will be binding to the tenderer.[ It will be presumed that they have gone through the said contract before submitting their bid and they have no right to put any claim beyond the said contract].

**Name of Work: - Construction of playground arena at IIMC Jammu .**  
**(S.H:- Supplying, Installation, Testing & Commissioning of Flood light fittings for Play ground).**

**Estimated cost of work** : Rs.14,04,899/- (Elect.)  
**(i) Earnest Money** : Already included with major component.  
**(ii) Performance Guarantee** : Already included with major component.  
**(iii) Security Deposit** : 2.5% of Running as well as final bill / Value of work

#### **SCHEDULE 'F'**

#### **General Rules & Directions:**

**Officer Inviting tender** : Executive Engineer (C), CCW, Akashvani, Jammu

|                     |  |           |  |
|---------------------|--|-----------|--|
| <b>Definitions:</b> |  |           |  |
| <b>2 (v)</b>        | <b>Engineer-in-charge</b>  |           | Executive Engineer (E), CCW, Akashvani, Division, Chandigarh.  |
| <b>2 (viii)</b>     | <b>Accepting Authority</b>   |           | Executive Engineer (C), CCW, Akashvani, Jammu.   |
| <b>2 (x)</b>        | <b>Percentage on cost of material and labour to cover all overheads and profits</b>                        |           | 15 %   |
| <b>2 (xi)</b>       | <b>Standard Schedule of Rates</b>  |           | CPWD DSR 2025 for (E&M) with upto date correction slips as on last date of submission/uploading of bid and market rates. |
| <b>2 (xii)</b>      | <b>Department</b>  |           | Civil Construction Wing, Akashvani.  |
| <b>9(ii)</b>        | <b>Standard CPWD contract form</b>   |           | Refer Schedule of Major Component.   |
| <b>Clause 1:</b>    |  |           |  |
| <b>(i)</b>          | <b>Time allowed for submission of Performance guarantee from the date of issue of letter of acceptance</b> | <b>:-</b> | Refer Schedule of Major Component.   |
| <b>(ii)</b>         | <b>Maximum allowable extension beyond the period [ provided in (i) above</b>                               | <b>:-</b> | Refer Schedule of Major Component.   |
| <b>Clause 2:</b>    |  |           |  |
|                     | <b>Authority for fixing compensation under clause 2</b>  | <b>:-</b> | Refer Schedule of Major Component.   |
| <b>Clause 2A:</b>   |  |           |  |

|  |  |   |  |
|--|--|---|--|
|  | <b>Whether Class 2A shall be applicable</b>  | : | Refer Schedule of Major Component.                                     |
| <b>Clause 5:</b>   |  |   |  |
|  | <b>Number of days from the date of issue of letter of acceptance for reckoning date of start</b> | : | Refer Schedule of Major Component.                                     |
| Time allowed for execution of work :   |  |   | Refer Schedule of Major Component.                                     |
| Authority to decide:-  |  |   |  |
| (i) Extension of Time:-  |  | : | Refer Schedule of Major Component.                                     |
| (ii) Re-Scheduling of Mile Stone(s) :  |  |   | Refer Schedule of Major Component.                                     |
| (iii) Shifting of date of start in case of delay in handing over of site   |  | : | Refer Schedule of Major Component.                                     |
| <b>Clause 6, 6A:</b>   |  |   |  |
| Clause applicable (6 or 6A)  |  |   | Refer Schedule of Major Component.                                     |
| <b>Clause 7:</b>   |  |   |  |
| 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.  |  |   | <b>Admissible according to the value of work done.</b>                 |
| <b>Clause 7 A</b><br>Whether clause 7 A shall be applicable<br>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. |  |   | Yes, Applicable  |
| <b>Clause 10 A</b><br>List of testing equipment to be provided by the contractor at site lab.  |  |   | As per Requirement at Site and as per directions of Engineer-In-Charge |
| <b>Clause 10 B (ii)</b>  |  |   |  |
| Whether Clauses 10 B (ii) shall be applicable  |  | : | No   |
| <b>Clause 10 C</b><br>Component of labour expressed as percent of value of work  |  | : | Refer Schedule of Major Component.                                     |
| Clause 10 CA   |  |   |  |

|   |  |    |   |
|---|--|----|---|
| Material covered under this clause nearest material for which all India wholesale price index is to be followed               |  | :  | Applicable  |
| <b>Clause 10 CC:</b>  |  |    |   |
| Clause 10 CC to be applicable in contracts with stipulated period of completion exceeding the period shown in the next column |  | :- | N/A   |
| <b>Clause 11:</b>   |  |    |   |
| Specification to be followed for execution of work  |  | :- | CPWD General Specifications for Electrical Works Part-I (Internal)-2023 and Part-II-2023, as amended upto relevant I.E. rules, IS specification for relevant field. |
| <b>Clause 12:</b>   |  |    | Original work   |
| 12.2& 12.3  | i. Deviation limit beyond which clause 12.2 & 12.3 shall apply for building work.<br>ii. Deviation limit beyond which clause 12.2 & 12.3 shall apply for foundation work.<br>12.5(i) (Except items mentioned in earth work Sub head in DSR and related items).<br>12.5(ii) (Deviation limit for item mentioned in earth work sub head of DSR and related items)<br>100% for all items as per circular No.DG/SOP/16 Dated 15-02-2021. | :- | 100% (Hundred Percent)<br><br>100% (Hundred Percent)<br><br>100% (Hundred Percent)<br><br>100% (Hundred Percent)  |
| <b>Clause 16:</b>   |  |    |   |
| Competent Authority for deciding reduced rates  |  | :  | Upto 5% of Contract value by Superintending Engineer(E) and beyond 5% by Chief Engineer.  |

#### Clause 18

List of mandatory machinery, tools & plants to be deployed by the contractor at site.  
As required by Engineer-In-Charge.

|  |  |
|--|--|
| <b>Clause 25:Constitution of dispute Redressal Committee</b> | <b>Refer Schedule of Major Component</b> |
| <b>Clause 36 i):</b>   |  |

**“Requirement of Technical Representative(s) and Recovery Rate”**

| Sr. No. | Minimum Qualification of technical representative | Discipline | Designation (Principal Technical/ Technical representative) | Minimum Experience | Number | Rate which recovery shall be made from the contractor in the event of not fulfilling provision of Clause 36(i) |       |
|---------|---|------------|---|--------------------|--------|--|-------|
|         |   |            |   |                    |        | Figure   | Words |
|         | Refer Schedule of Major Component                 |            |   |                    |        |  |       |

Assistant Engineers retired from Government services that are holding Diploma will be treated at par with Graduate Engineers.

|                    |  |   |  |  |  |   |
|--------------------|--|---|--|--|--|---|
| <b>Clause 42 :</b> |  |   |  |  |  |   |
| i)                 | Schedule/statement for determining theoretical quantity of cement & bitumen on the basis of Delhi Schedule of Rates. | : |  |  |  | Delhi Schedule of rates 2025 printed by CPWD with upto date correction slip |
| ii)                | Variations permissible of theoretical quantities   |   |  |  |  | NA  |
| a)                 | Cement for works with estimated cost put to tender not more than Rs. 5 lac   | : |  |  |  | NA  |
|                    | Cement for works with estimated cost put to tender more than Rs. 5 lac   | : |  |  |  | NA  |
| b)                 | Bitumen for all works.   |   |  |  |  | NA  |
| c)                 | Steel Reinforcement and structural steel sections for each diameter, section and category                            | : |  |  |  | NA  |
| d)                 | All other materials.   |   |  |  |  | -----NIL-----   |

### RECOVERY RATES

CCW: AIR

### RECOVERY RATES FOR QUANTITIES BEYOND PERMISSIBLE VARIATION

| Sl.N o. | Description of item.                      | Rates in figures and words at which recovery shall be made from the contract. |  |
|---------|---|---|--|
|         |   | Excess beyond permissible variation.  | Less use beyond permissible variation. |
| 1.      | Cement(OPC/PPC)                           | NA  | NA                                     |
| 2.      | Steel reinforcement.                      | NA  | NA                                     |
| 3.      | Structural Sections.                      | NA  | NA                                     |
| 4.      | Bitumen issued free.                      | NA  | NA                                     |
| 5.      | Bitumen issued at stipulated fixed price. | NA  | NA                                     |



## **COMMERCIAL CONDITIONS**

### **1.0 GENERAL**

- 1.1 This specification covers manufacture, testing as may be necessary before dispatch, delivery at site, all preparatory work, assembly and installation & commissioning
- 1.2 The tenderer should in his own interest visit the site and familiarize himself with the site conditions before tendering.
- 1.3 All incidental work in E&M items required to be completed inclusive within the quoted rates nothing extra will be paid.
- 1.4 No T&P shall be issued by the department and nothing extra shall be paid on account of this.

### **2.0 COMPLETENESS OF WORK**

- (i) All sundry equipment, fittings, unit assemblies, accessories, hardware items, foundation bolts, termination lugs for electrical connections, and all other items which are useful and necessary for efficient assembly and installation of equipment and components of the work shall be deemed to have been included in the tender irrespective of the fact whether such items are specifically mentioned in the tender documents or not.
- (ii) The CPWD specifications are available at CPWD website "cpwd.gov.in". The department shall not be responsible for the lack of knowledge and also the consequences thereof to the Contractor. The information and data mentioned in the tender document have been furnished in good faith and for general information and guidance only. The Engineer-in-Charge in no case shall be held responsible for the accuracy thereof and / or interpretations or conclusions drawn there from by the Contractor and all consequences shall be borne by the Contractor and no claim, whatsoever, shall be entertained from the Contractor, if the data or information furnished in tender document is different from data / drawing after preparation of architectural drawings, design and approved for construction. It is presumed that the Contractor has satisfied himself for all possible contingencies, situations, bottlenecks and acts of coordination, which may be required between different agency.

### **3.0 Inspection & Testing at Site**

- (i) The installation shall be subject to necessary inspection during every stage of erection, by the Engineer In-charge or his authorized representative. The contractor shall provide all facilities and assistance for the purpose.
- (ii) The completed installation shall be inspected and tested by the Engineer-in charge to ensure the functionality and performance level. Contractor shall arrange T&P as well as OEM's Engineer and Technical staff if any for this purpose. No extra payment shall be entertained on this account in the manner as will be laid down by department.
- (iii) All instruments and facilities necessary for the tests shall be provided by the agency.

### **4.0 DESPATCH OF MATERIALS TO SITE THEIR CUSTODY**

The contractor shall dispatch materials to site in consultation with the Engineer-in-Charge. Safe custody of all equipment/items supplied by contractor shall be responsibility of the contractor i/c watch and ward.

All equipment and materials to be used in the work shall be brand new with manufacturer's certificates, warrantee cards, technical catalogues, instructions, manuals and wiring diagrams etc.

### **5.0 EXTENT OF WORK**

- (a) Minor building work necessary for installation of equipments, foundation, making of opening in walls or in floor and restoring to their original conditions, finish and necessary grouting etc. as required.
- (b) Maintenance during defect liability period.
- (c) Any damage done to the building during the execution shall be made good immediately at his own cost to the entire satisfaction of the Engineer-in-Charge.

- (d) Any item required for completion of the respective component E&M work but left inadvertently shall be executed by the agency.

**6.0 RESTRICTION IN WORK**

Some restrictions may be imposed by the security staff etc. on the working and/or movement of labour, materials etc. The contractor shall be bound to follow all such restrictions/instructions and nothing extra shall be payable on this account. No claim for idle labour shall be entertained.

**7.0 COMPLETION OF WORK**

After completion of installations in all respect the contractor shall offer the installation for testing and operation

The contractor shall notify the completion to Engineer-in-charge. On receipt of his notification, Engineer-in-charge or his representative engineer will inspect the site and on satisfaction, the completion of work shall be recorded.

**8.0 DEFECT LIABILITY PERIOD:**

- a) The entire installations in general, shall be guaranteed for a period of 12 months from the date of completion.

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**TECHNICAL CONDITIONS**

- 1.0** If in order to make the playground free from direct glare from the luminaire certain arrangement are to be made then it shall be done by the contractor.

- 2.0** Sometimes manufacturers discontinue the certain model and therefore given specifications are not available in the market. In this case, contractor will exhaust possibilities for each make in order to ensure the specifications. In case all the brands mentioned about the non-availability then the comparable another brand shall be decided by the Engineer-in-charge.

- 3.0** Before recording of completion, the contractor shall submit the Guarantee Certificate to be submitted at the completion of LED fittings work.

**4.0 Complaint Handling**

- The contractor shall arrange to provide a helpline number or contact number to whom call could be made for quick maintenance of the LED Luminaires as per Contract conditions.
- Normally, Complaint is registered by the OEM or the service centre on production of invoice number/ any other port. Therefore, the contractor has to submit the invoice number/ code or any other number that shall be required while lodging the complaint.

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| Warranty/Guarantee Certificate   |   |
|--|---|
| Warranty Type<br>Standard Warranty (SW)<br>Extended Warranty (EW)<br>Other | Contact Information<br>Service Contact No:-<br>Customer P.O:-<br>Reference Order No:  |
| Customer Information   | Validity Period and Dates<br>Standard warranty start date :<br>Standard warranty end date :<br>Extended warranty start date :<br>Extended warranty end date : |
| Customer Contact Detail  | Contractor Contact Details  |
| Sold To<br>Name :  | Ship To   |

**Item Code and Qty covered under this Warranty certificate**

| Sl. No. | Item Code | Description of Goods | Qty | Invoice No | Invoice Date |
|---------|-----------|----------------------|-----|------------|--------------|
|         |           |                      |     |            |              |

**Regional Service Manager/General Manager****Date**

1. For any Lighting service request, you can reach out our Contact center through the mode mentioned.
2. Please provide the service contract number while raising your complaint in case your contract lying within extended warranty period.

Modes of complaint register

Toll free number-

Email:

Portal:

SMS : PINCODE &lt; &gt; to .....

Consumer app-

**APPROVED MAKE LIST**

| Sr. No. | Description   | Makes  |
|---------|---|--|
| 1.      | LED Fittings  | Havells/Crompton/Phillips/Wipro              |
| 2.      | Octagonal Pole  | Transrail/Bajaj/BPP/A to Z Power Solution    |
| 3.      | HDPE Pipe   | Astral (Rex)/Duroline or other superior make |
| 4.      | XLPE armored aluminium conductor cables/FRLS PVC insulated copper conductor cable | Havells/RR Kabel/Finolex/Polycab             |
| 5.      | MCB & MCCB  | Legrand/Schindler/ABB                        |
| 6.      | Any other make  | Shall be approved by the Engineer-in-charge  |

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### **General Specifications & Additional Conditions**

**Name of Work:- Construction of playground arena at IIMC Jammu.**  
**(S.H:- Supplying, Installation, Testing & Commissioning of Flood light fittings for Play ground).**

#### **(Minor Component)**

- (1) The main contractor shall submit the details of associated contractors registered with CPWD, MES, Railway, P&T & state PWD (B&R) of J&K/State Power Development Department of J&K eligible to carry out the E & M works like Internal **E.I, fans fittings, SDB's, L.T Panel Earthing, and Service Connection**, ~~contractors associated to take up the E & M works should have successfully completed similar works during the last 7 year ending previous day of last day of submission of bid. Completion certificates issued by the Officer of the client department of the rank of Executive Engineer or equivalent and in case of private organisation work by Managing Director/ Proprietor shall be duly attested by a Gazetted Officer will have to be physically submitted to the Executive Engineer(E).~~  
~~The completion certificate must clearly indicate the following:-~~
- i. ~~\_\_\_\_\_ The date of completion of work.~~
  - ii. ~~\_\_\_\_\_ Nature of work.~~
  - iii. ~~\_\_\_\_\_ That the work has been completed satisfactorily.~~
  - iv. ~~\_\_\_\_\_ Completed value of work.~~
  - v. ~~\_\_\_\_\_ Remarks indicating grant of Extension of Time by the department, if any, and penalty. If any, levied on this account.~~
- a) ~~Executed Three works of similar nature of value not less than 40% of total value of particular distinct sub head/component's or Two works of similar nature of value not less than 60% of total value of particular distinct sub head/ components or One work of similar nature of value not less than 80% of total value of particular distinct sub head/ component's. All amount rounded off to the convenient figure.~~
- (2) The main contractor will submit MOU signed with eligible registered electrical contractor and other agencies of minor components. However the main contractor shall be responsible and liable for proper & complete execution of the electrical works & ensure coordination and completion of both Civil & Electrical works. The Associate or sub contractor shall attend the inspection of the work by the engineer-in-charge of E&M works as and when required.
- (3) Acceptance of the tender shall be done by the CE or SE or EE as defined in Schedule F and conveyed by the Engineer in charge of major component i.e. Civil portion of the work on behalf of the President of India. After the work is awarded, the main contractor will have to sign two/or more copies of agreement depending upon number of EE in charge of minor components. One set of agreement shall be handed over to EE(E) in charge of minor component. EE(C) of major component will operate part A and part B of the agreement. EE(E) in charge of minor components shall operate Part C along with Part A' of the agreement. The main contractor has to enter in agreement with the contractor associated by him for execution of minor component's.

- (4) Running payment for the major component shall be made by EE(C) of major discipline to the main contractor. Running payment for minor components shall be made by the EE(E) 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, EE(E) in charge of minor component shall serve the show cause to main contractor and after considering the reply of the same he may make the payment directly to the contractor associated for minor component as per the terms & conditions of the agreement drawn between main contractor and associate contractor fixed by him, if reply of main contractor either not received or found unsatisfactory. Such payment made to the associate contractor shall be recovered by EE of major or minor component from the next RA/final bill due to main contractor as the case may be. *(Modified as per OMIMANI178)*
- (5) If the main contractor fails to associate agency/agencies for execution of minor components of work within prescribed time or furnishes incomplete details or furnishes detail so find eligible agencies even after the tenderer is given due opportunity, the entire scope of such component of works shall be withdrawn from the tender and the same shall be got executed by the Engineer- in-Charge at the risk and cost of the main contractor.
- (6) In case the main contractor intends to change any of the above agency/agencies during the operation of the contract, he shall obtain prior approval of respective Engineer-in-Charge of the agreement. The new agency/agencies shall also have to satisfy the laid down eligibility criteria. In case Engineer-in-Charge of respective discipline is not satisfied with the performance of any agency, he can direct the main contractor to change the agency executing such items of work and this shall be binding on the contractor.
- (7) Supervision of various components of works will be carried out by concerned wings of the department under the overall coordination of the CE/SE/EE.
- (8) Final bill of whole work shall be finalized and paid by the EE of major component. Other EE will prepare and pass the final bill for their component of work and pass on the same to the EE of major component for including in the final bill for composite work.
- (9) CE/SE of the concerned discipline will be competent authority for deciding reduced rates, if any. Date of completion of all components of work will be same. Levy of compensation under Clause 2 as well as fair and reasonable extension of time will be granted by the SE in charge of the major component in consultation with SE concerned of minor discipline and on receipt of required information in this regard from EE of major discipline as well as concerned of minor discipline.

Also EE in charge of major component shall be competent authority to give fair and reasonable extension of time under provision of clause 5 and SE in charge of major component shall be competent authority to reschedule milestones as stipulated under clause 5.

- (10) Same milestones shall be applicable for all components of work. The agencies of minor components will ensure that their components of the work are executed in time without giving any chance for slippage of milestones of the project. The amount to be withheld under Clause 5 of the contract will be decided by the EE of the main discipline only and not by other EEs. In the event of not achieving the necessary milestones as assessed from milestone bar chart, specified percentage of the tendered value of work will be withheld for failure of each milestone.
- (11) Arbitration case shall be handled by the EE of the major discipline along with the support of the minor discipline.

### GENERAL CONDITION OF E&M WORKS

**Name of work: - Construction of playground arena at IIMC Jammu.**  
**(S.H:- Supplying, Installation, Testing & Commissioning of Flood light fittings for Play ground).**

1. The work shall be carried out as per CPWD General Specifications for Electrical Works Part-I (Internal)-2023 and Part-II-2023, as amended upto relevant I.E. rules, IS specification for relevant field. as amended upto date, relevant IE rules, IS specifications and as per directions of Engineer-in-charge.
2. The contractor shall supply **Three sets** of detailed programme /detailed working drawings of Electrical fans & fitting, light plug/power plug i/c circuit wiring. L.T. Panel etc. to the Engineering-in-charge for approval prior to execution of the work immediately after award of work. The programme shall contain details about supply of material, tentative date of installation, commissioning etc.
3. Unless and otherwise specified power supply and water supply will be arranged by the contractor at the site for installation purpose. Contractor will take due care to ensure safety of electrical installation during execution of work.
4. The contractor shall engage suitably skilled/ licensed workmen of various categories for execution of work supervised by supervisor /Engineer of appropriate qualification and experience to ensure proper execution of work. They will carry out instructions of engineer-in-charge and other senior officers of the department during the progress of work.
5. The installation will be handed over to the department after necessary testing and commissioning.
6. All materials to be arranged by the contractor for use in the work must be got approved From the Engineer-in- charge well in advance before these are actually used in the work. Non compliance of the above shall attract the department for non payment of the material used.
7. Bad workmen ship is liable to be rejected in Toto.
8. The contractor /his supervisor will be bound to sign the site order book and to carry out the instruction given therein.
9. All repairs and petty works shall be neatly carried out to match with the original finish and to the entire satisfaction of the Engineer-in-Charge. Any damage to the building due to execution the electrical work shall be made good immediately by the contractor at his own cost.
10. The contractor shall make his own arrangement for storing the materials and its watch and ward at his own cost. He will be responsible for watch and ward of the installation till the Completion and handing over of the work.
11. Electrical work shall have to be executed along with the building work. The contractor has to engage the qualified E/M Engineer at site for execution of E&M works.

12. The contractor shall make his own arrangement at his own cost for all general and electrical Tools and plants required for the work.
13. All debris due to the electrical work shall be removed and site shall be cleared by the contractors, as soon as the work is completed.
14. All the materials to be used in the work confirm on to one of the following specification in order of priority.
  - a) CPWD General specification as per para (1)
  - b) The material should confirm to ISI specification and should be ISI marked.
  - c) If materials to be used not covered in any one of the above specification should be get approved from the Engineer-in-charge.
15. In case the particular make of material mentioned are not available at the time of execution. The alternative make of materials is got to be approved from the Engineer-in-Charge before its use.
16. Any work done by the department out of the schedule attached with the agreement before award of work shall be recovered from the contractor at the rates to be arrived under clause 12 of the agreement. The contractor should ensure that he satisfy himself regarding the quantity of the work done by the department / other agencies before the starts of work.
17. The contractor shall submit the test certificate/challan obtained from the manufacturer's / authorized dealers in support of genuineness of procured materials to be used at work as required by Engineer-in-Charge.
18. The rates quoted shall be net and inclusive of all duties, levies and taxes without any conditions. Any condition in the price bid shall make the tender liable for cancellation.

**NOC from CEA/Local Electrical Inspector or any other type of NOC as per local by-laws, shall be the responsibility of contractor i/c payment of necessary fee etc.**

**ADDITIONAL CONDITIONS FOR ELECTRICALWORKS**  
**Additional Technical Specifications/ Conditions for Internal**  
**Electrical Works**

- 1 The work shall be generally carried out in accordance with tender specifications and the following specifications / rules:
  - a. CPWD General Specifications for Electrical work Part I Internal - 2023, as amended up to date.
  - b. CPWD General Specifications for Electrical works Part II External - 2023, as amended upto date.
  - c. Additional technical specifications for this work.
  - d. The Indian Electricity Act, 2003.
  - e. National Electrical Code.
  - f. Indian Electricity Rules 1956 amended upto date.
- 2 In case the main contractor is not registered in Electrical (Internal and External Electrical Installations) category in CPWD, he should engage an agency registered in appropriate class in Electrical (Internal and External Electrical Installations) category in CPWD, for execution of this work. Name of electrical agency shall be given in consent letter along with enlistment details of the agency to Engineer-in-charge.
- 3 Executive Engineer (Elect.) shall be the Engineer-in-Charge as far as electrical works are concerned. Separate tender form for electrical component is appended with his tender. It will be obligatory on part of the main contractor to sign the tender documents for all the component. The main contractor has to enter in agreement with the Contractor associated by him for execution of minor component. Copy of such agreement shall be submitted to EE(E) of minor component as well as EE in charge of major component.
- 4 Approval of the Engineer-in-charge shall be taken well in advance for the materials to be used in the work by the contractor.
- 5 The contractor has to make his own arrangements for stores and watch and ward and no extra claim for this will be entertained.
- 6 Running payment for Electrical/Mechanical components shall be made by the EE (E) directly to the main Contractor. The main contractor shall make the payment to associated Contractor within 15 days of receipt of each running account payment.
- 7 The main contractor shall be responsible for coordinating the activities of all works and will ensure progress of works as per laid down programme.
- 8 The associated electrical Contractor or his representative is bound to sign the site order book as and when required by the Engineer-in-charge and will comply with the remarks therein.
- 9 The contractor shall make his own arrangement at his own cost for electrical / General Tools and plants required for the work.



- 10 The connections, inter-connections, earthing and inter-earthing shall be done by the contractor wherever required to be done for energisation of the installation and nothing extra shall be paid on this account.
- 11 The Contractor shall make his own arrangements for electrical power supply and water supply for the construction activities. No extra payment for the same will be made.
- 12 The contractor must be able to work on concrete slabs / walls as and when required and in complete co-ordination with the civil works. Cutting of chases in the plastered wall shall in no case be allowed. The contractor shall fix conduits and boxes in the walls soon after the brick work is completed and finish the chase to rough surface with proper cement sand mixture. In exceptional cases e.g. where cutting of plastered surface cannot be avoided final finishing will be the main contractor's responsibility to ensure that plastering is done to match the original finish at no extra cost.
- 13 The contractor shall remove all the debris due to the electrical works from the site as soon as the work is completed.
- 14 The wiring and conduit route shall be marked by the contractor in the drawing first, and shall be got approved from the Engineer-in-charge.
- 15 The breaking capacity of the MCB's shall be "C" series of breaking capacity 10 KA minimum. The MCB shall have ISI mark.
- 16 The copper wire to be used on this work shall be multi strand FRLS type only.
- 17 Make of MCB/MCCB shall be the same as the make of MCB DB'S/MCCB DB's.
- 18 The Electrical works shall be carried out by the contractor, side by side with the progress of the civil works.
- 19 The Contractor shall on demand by the Engineer-in-charge, furnish the proof to the satisfaction of Engineer-in-charge regarding purchase of conduits, Wires, MCBs, MCCBs and other items, from the manufacturers authorized outlets.
- 20 All PVC conduits accessories shall be of the same make as conduits. The Conduits shall be terminated at switch boxes/metallic junction boxes with suitable PVC glands.
- 21 Cutting of brick walls shall be with chase cutting machine only. All repairs and patch works shall be neatly carried out to match the original finish and to the entire satisfaction of the Engineer in Charge.
- 22 All the sub main and circuit wiring includes loose wire for connections inside switch boxes and MCB DBs. No payment for these loose wires shall be made. However wires within the cubicle panel will be measured and paid under relevant item of work.

- 23 To facilitate drawing of wires, 18 SWG GI fish wire shall be provided along with laying of recessed conduit for which no extra payment shall be made. Conduits laid for other services, like fire alarm, CCTV/Lan Cabling/Data Networking etc. where wiring is not done along with IEI works, fish wire shall be drawn, invariably and Nothing extra shall be paid on this account.
- 24 The connection between incoming switches/isolator/MCB's/MCCB's and bus bar shall be made with suitable size of thimbles, lugs at cable/wire ends at no extra cost.
- 25 Copper conductor of insulated cables of size 1.5 Sq.mm and above shall be stranded and terminals provided with crimped lugs.
- 26 All junction box cover should be of PVC / phenolic laminated sheet of thickness not less than 3mm and for which nothing extra shall be paid on the account.
- 27 All sub-main shall be terminated in the main board with suitable copper lugs and thimbles for which nothing extra will be paid on this account.
- 28 All material to be used in the work should be got approved from the Engineer-in-Charge before use at site.
- 29 All hardware items such as screws, thimbles, GI wire etc. which are essentially required for completing an item as per specifications will be deemed to be included in the item even when the same have not been specifically mentioned.
- 30 All hardware items such as nuts/ bolts/ screws/ washers etc. to be used in work shall be zinc/ cadmium plated iron.
- 31 While laying conduit, suitable size junction boxes shall be provided for pulling the wire as per the decision of the E-in-Charge.
- 32 Materials to be used in work are to be ISI marked. The make of the materials have been indicated in the list of acceptable makes. No other makes will be acceptable. The materials to be used in the work shall be got approved by the Engineer in Charge / his representative before its use at site. The E-in-C shall reserve the right to instruct the contractor to remove the material which, in his opinion, is not acceptable.
- 33 Where switches/ sockets/ regulator/ telephone/ TV / internet outlets and GI Boxes are to be provided, the same shall be of only one make.
- 34 The location of earth pits shall be got approved and the earthing to be done in the presence of the Engineer-in-charge or his representative.
- 35 In case the same item appears more than once in the schedule of work, the lowest rate quoted for that item shall be taken for other items also.
- 36 Drawings of all LT Panels and their manufacturer's list with details shall be got approved from the Engineer-in-charge before fabrication.

- 37 The floor mounted panel boards shall be installed with suitable channel supports at bottom.
- 38 The panel board shall be fabricated in a reputed workshop.
- 39 The cable end box for the DB's shall be of the same make and matching to the DBs.
- 40 Documents to be furnished on completion of installation:
  - A. Completion Plan: Completion plan indicating the wiring layout of the installation indicating the various Cables, conduits and floor trunking laid for different services along with the location of the switchgear for all the floors of the building. The contractor shall submit the completion plan separately in triplicate on blue print with one set on tracing "Cloth" as per Clause-8 of the contract within 30 days of the completion of work. In case, the contractor fails to submit the plan, he shall be liable to pay a sum equivalent to 2.5% of the value of the work subject to a ceiling of Rs.15000.00
- 41 Defect Liability Period: All the equipments shall be guaranteed for a period of 12 Months from the date of completion. Any defective materials and equipment shall be replaced free of cost at the direction of the Engineer-in-Charge.
- 42 Inspection: The major equipment like MV panels shall be inspected at the factory by the Engineer-in-Charge or his authorized representative for which advance intimation shall have to be given by the contractor to the Engineer-in-Charge for arranging the inspection.
- 43 The LED fittings supplied shall be guaranteed for one year by the manufacturer and also by the agency, from the date of completion of work, this guarantee certificate shall given at the time of supply of the fittings.

| LIST OF APPROVED MAKES FOR INTERNAL E.I. MATERIALS |   |  |
|--|---|--|
| Sl. No.  | Description of item   | Acceptable Makes   |
| 1  | PVC conduit pipe & accessories  | BEC/ AKG/ NIC/Avon Plast/Precision (ISI Marked)                                      |
| 2  | Steel conduit pipe & accessories  | BEC/ AKG/M. KAY/ NIC ( ISI marked)   |
| 3  | PVC insulated copper conductor wire of all sizes  | Finolex/ Havells/ L&T/RR Kabel/ Polycab ( FRLS Type with ISI mark)                   |
| 4  | Telephone cable/Co-AXIAL TV cable   | Finolex/ Havells/ L& T / RR Kabel/ Polycab   |
| 5  | Modular Switches & Sockets, Fan Regulator, Telephone Socket, TV antenna socket including modular boxes & plates | Legrand (ARTEOR)/ Schneider(NECO METRO)/MK (ASPECT)/Havells/ NorthWest/AnchorRoma    |
| 6  | MCBs / MCB DBs/Isolator/Blanking plates/ RCCBs.   | Legrand (DX <sup>3</sup> )/ Schneider(ACTI-9)/Hagar (Novello+), L&T                  |
| 7  | MCCBs & Spreader Terminal   | Legrand/ L&T/Schneider/Hagar/C&S.  |
| 8  | XLPE UG Cables of all sizes   | Skytone/ Havells/ Polycab/National   |
| 9  | Wall bracket  | (Philips Model "My living" Commercial Code 30982)/ Havells make Cat No. LHJE01106499 |
| 10   | 15 watt LED Recessed Down lighter   | LT-MOON V-2 15W /Philips/Wipro/ GE   |
| 11   | 15 Watt LED Surface Down lighter  | LT-LUNAR MAX 15W/Philips/Wipro/ GE   |
| 12   | 12 Watt LED Surface Down lighter  | LT-LUNAR MID 12W/Philips/Wipro/ GE   |
| 13   | 9 Watt LED Surface Down lighter   | LT-LUNAR MID 9W/Philips/Wipro/ GE  |
| 14   | LED bulk head fitting   | Philips Cat No. WT202WLED6SNWPSU S2PC/Crompton Cat No. LBHN-10-CDL/Wipro/GE          |
| 15   | LED 4' 18 Watt Batten Tube  | LT-WAND Batten 18 W/Philips/Wipro/GE   |
| 16   | LED 4' 24 Watt Batten Tube  | LT-WAND Batten 24 W/Philips/Wipro/GE   |
| 17   | LED 2' 9 Watt mirror light fitting  | LT-WAND 9 W/ Wipro/GE  |

|    |  |  |
|----|--|--|
| 18 | Ceiling fans, High speed<br>1200mm/1400mm                      | Crompton-High Speed/Bajaj-Speed<br>star/Havells.               |
| 19 | Heavy Duty exhaust fan   | Havells/Crompton /Bajaj  |
| 20 | Multifunction Digital Meters 3<br>phase & Digital Energy meter | Conserve/C&S/AE/ L& T /GE/ Schneider                           |
| 21 | GI Pipe-ISI Mark   | Tata/ Jindal/Zenith  |
| 22 | LED type phase<br>Indicator /CT's                              | L&T/ Schneider/ Siemens/AE/ ABB/ KAY CEE/<br>Kappa/C&S         |
| 23 | HDPE Pipe  | REX/ Varuna/ Sudhakar/ Rishi                                   |
| 24 | Cable gland  | Dowell's/ Wago/ Gripwel/ Jhonsons/ Comet                       |
| 25 | CT's   | Kappa/AE   |
| 26 | Ceiling Rose   | Anchor/Lisha/Kinjal "ISI" marked                               |
| 27 | Phenolic Laminated<br>Sheet                                    | Hylam/Green Lam (min. 3 mm thick)                              |
| 28 | Electrical Geyser  | Havells Quatro digital /Racold Eterno<br>DG/Venus LYRA Digital |
| 29 | LT Panel Switchgears   | Legrand/Schenider/Siemens/C&S                                  |
| 30 | 35 W LED Flood<br>Light Fittings                               | Wipro/Philips/Lighting Technology/Havells                      |

NOTE: - In case make of any equipment or material is not specified in the NIT, the decision of the Engineer-in-Charge in this regard will be final.

**SCHEDULE OF QUANTITY**

| <b>Nit No. EE(C)/CCW/JMU/NIT/2025-26/31</b>                            |   |      |       |  |      |
|--|---|------|-------|--|------|
| <b>Name of Work: - Construction of playground arena at IIMC Jammu.</b> |   |      |       |  |      |
| <b>SCHEDULE OF QUANTITY - (CIVIL WORKS) -ANNEXURE-I</b>                |   |      |       |  |      |
| <b>Name of the Contractor</b>  |   |      |       |  |      |
|  |   |      |       |  |      |
| 1  | EARTH WORK  |      |       |  |      |
| 1.1  | Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 sqm on plan including getting out and disposal of excavated earth upto 50 m and lift upto 1.5 m, as directed by Engineer-in- Charge:   |      |       |  |      |
| 1.1.1  | All kinds of soil   | 1944 | sqm   |  | 0.00 |
| 1.2  | Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, for all lift, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.  |      |       |  |      |
| 1.2.1  | All kinds of soil.  | 59   | cum   |  | 0.00 |
| 1.3  | Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 and for all lift.  | 59   | cum   |  | 0.00 |
| 2  | CEMENT CONCRETE (CAST IN SITU)  |      |       |  |      |
| 2.1  | Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :  |      |       |  |      |
| 2.1.1  | 1:5:10 (1 cement: 5 fine sand derived from natural sources : 10 graded stone aggregate 40 mm nominal size derived from natural sources)   | 145  | cum   |  | 0.00 |
| 2.2  | Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing: |      |       |  |      |
| 2.2.1  | 1:2:4 (1 Cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)   | 67   | cum   |  | 0.00 |
| 2.3  | Centering and shuttering including strutting, propping etc. and removal of form work for:   |      |       |  |      |
| 2.3.1  | Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps etc.  | 376  | sqm   |  | 0.00 |
| 3  | FINISHING   |      |       |  |      |
| 3.1  | 6 mm cement plaster of mix:   |      |       |  |      |
| 3.1.1  | 1:3(1 cement :3 fine sand)  | 271  | sqm   |  | 0.00 |
| 3.2  | Finishing walls with Acrylic Smooth exterior paint of required shade:   |      |       |  |      |
| 3.2.1  | New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm)  | 178  | sqm   |  | 0.00 |
| 4  | ROAD WORK   |      |       |  |      |
| 4.1  | Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size) in pavements, laid to required slope and camber in panels as required including consolidation finishing and tamping complete.  | 130  | cum   |  | 0.00 |
| 5  | MARKET RATE   |      |       |  |      |
| 5.1  | Providing & fixing 100mm wide strips of 6mm thick A.C. sheet in each panel of cement concrete pavement work all complete as per the direction of Engineer-in-Charge.  | 2184 | Mtrs. |  | 0.00 |
| 5.2  | Providing and fixing basketball pole as per international standard size and of reputed brand made of 6" round M.S. pipe having height of 10 feet with block board size 180 cm x 105cm x 20cm including ring and net all complete as per the direction of Engineer-in-Charge.  | 1    | Each  |  | 0.00 |

|              |  |     |         |  |             |
|--------------|--|-----|---------|--|-------------|
| 5.3          | Providing and fixing best quality volleyball pole pair made of M.S. Pipe of dia 3 inchs round pipe, volleyball pole fix and height adjustable of International standard size having PVC pulley, racket including standard size volleyball court Net, P.V.C. coated fabric having four side tape all complete as per the direction of Engineer-in-Charge. | 1   | One Job |  | 0.00        |
| 5.4          | Providing and fixing best quality fixed Badminton pole pair made of M.S. pipe of dia 2 inches having height of 1.55 Mtrs with International standard size including Nylon badminton Net, four side tape and of standard size all complete as per the direction of Engineer-in-Charge.  | 1   | One Job |  | 0.00        |
| 5.5          | Supplying and stacking of good earth at site including royalty and carriage upto 20 km lead complete (earth measured in stacks will be reduced by 20% for payment).  | 156 | Cum     |  | 0.00        |
| 5.6          | Spreading of sludge, dump manure and/or good earth in required thickness as per direction of officer-in-charge (cost of sludge, dump manure and/ or good earth to be paid separately).   | 156 | Cum     |  | 0.00        |
| <b>TOTAL</b> |  |     |         |  | <b>0.00</b> |

D/M(C)-I

ASW(C)

Executive Engineer (C)

**Name of work: - Construction of playground arena at IIMC Jammu.**

**(S.H:- Supplying, Installation, Testing & Commissioning of Flood light fittings for Play ground).**

| SCHEDULE OF QUANTITY - (ELECTRICAL WORKS) -ANNEXURE-II |   |  |           |  |      |
|--|---|--|-----------|--|------|
| Name of the Contractor                                 |   |  |           |  |      |
| 1  | Providing and laying in position 1:2:4 reinforced cement concrete foundation of size 450mm x 450mm x 1000mm deep i/c excavation of earth, providing, cutting, bending and placing in position, reinforcement of cold twisted bars of 12mm dia-1100mm long (approx) - 8 Nos. & reinforcement ring of cold twisted bar of 8mm dia - 1800mm (approx)-8nos. equally distanced in lenth of vertical baras required with positioning of foundation bolts and providing 63mm (O.D.) DWC,HDPE Pipe of 0.75mtrs. length for cable entry & exit as reqd i/c Supplying and fixing 4 nos. M24x700mm J type EN 8 Grade threaded portion G.I. foundation bolts, nuts and washer with template matching with base plate of 9Mtr pole etc complete as reqd.   |  | 8 Each    |  | 0.00 |
| 2  | Supplying & erection of flange mounted hot dip galvanized octagonal poles of 9 mtrs. height with bottom dia not less than 155mm & top dia of 70mm made from 3mm thick Steel plate, grade BSEN 10025 or its equivalent grade having average G.I. coating thickness of not less than 65 micron, base plate of size 260 mm x 260mm x 16 mm thick with foundation bolt M24x750. Detachable monkey ladder to beprovided alongwith pole. Having window sleeve type cover arrangement at a height of 0.5 mtrs from the base for & with supply & fixing 6mm thick laminated mounted sheet inside the window i/c 1nos 16amp SPMCB 'C' Curve, 4nos 63amps. terminal block suitable for upto 16sqmm conductor, DIN channel of suitable length, earth stud-1 nos, welded at suitable height washers, springs washers & nuts cable termination block etc. To be erected on the existing cement concrete pedestal as required i/c cable termination etc complete as reqd. (Wind tunnel test to be provided, not more than 5 years old)  |  | 8 Each    |  | 0.00 |
| 3  | Fabrication, Supplying & Fixing of bracket arm made from 75mm x 40mm x 5mm hot dip galvanized C channel suitable to install 8nos numbers flood lights for existing 9 mtr pole having top tube dia 70mm i/c fixing arrangement for LED Flood Light fittings etc complete as reqd. (Design to be approved by Engineer-in-charge.)   |  | 8 nos     |  | 0.00 |
| 4  | Supply of following watt SMD LED Floodlight fixture with System efficacy of 125 lm/W (25000 lumens). with pressure Die-cast aluminium housing, powder-coated finish, with inbuilt driver. The luminaire bracket shall be made of cold-rolled steel & shall be so designed that the luminaire can be tilted to ±90°, the scale shall be provided for rotation degrees. The luminaire shall be IP66 protection also having silicon gasket between optical cover & LED chamber to ensure proper IP66 protection and impact resistance of IK 07. Luminaire should be available with 25° and 60° beam angle option. Luminaire should be made of two individual modules of. All external hardware must be of SS304 grade. LEDs of EMC/ceramic package of wattage of 5W from reputed makes should be provided. Maximum LENS dome top temperature shall be less than 95°C at 45°C ambient temperature. Luminaire shall be with IP66 and IK07 protection. It should be cabable to operating under ambient temperature range of -10°C to +45°C. The LED shall be compliant with LM80-08 standard with L70 life of 50000 Hrs tested at maximum current (Complete LM 80 test report for LED should be submitted for 10000 hrs of testing). The LEDs |  |           |  |      |
| a)   | 300 Watt  |  | 14 Each   |  | 0.00 |
| b)   | 200 Watt  |  | 26 Each   |  | 0.00 |
| 5  | Supplying, laying & fixing of following sizes XLPE insulated aluminium conductor armoured UG cable of 1.1 KV grade confirming to IS 7098 part-I 1988 with upto date amendment in the existing RCC / HUME / METAL pipe complete as required. in existing formation complete as required.   |  |           |  |      |
| a)   | 4 x 6 sq. mm.   |  | 70 Meter  |  | 0.00 |
| b)   | 4 x 4 sq. mm.   |  | 280 Meter |  | 0.00 |

D/M(C)-I

ASW(C)

Executive Engineer (C) / Executive Engineer (Elect.)



|    |  |      |       |  |             |
|----|--|------|-------|--|-------------|
| 6  | Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.  |      |       |  |             |
| a) | 4 x 6 sq. mm.(22 mm)   | 2    | set   |  | 0.00        |
| b) | 4 x 4 sq. mm.(19 mm)   | 8    | set   |  | 0.00        |
| 7  | Supplying and laying of following size DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing etc.direct in ground (75 cm below ground level) including excavation and refilling the trench but excluding sand cushioning and protective covering etc, complete as required.     |      |       |  |             |
| a) | 63 mm dia (OD-63 mm & ID-51 mm nominal)  | 300  | Meter |  | 0.00        |
| 8  | Supply, installation, testing and commissioning of cubicle type, LT outdoor feeder pillar, double door fully compartmentalised, dust and vermin proof, made out of 1.6mm. thick CRCA sheet steel, floor mounted, free standing, lockable, conforming to IP- 54, mounted on finished brick foundation, powder coated/ epoxy painted, cable entry from bottom, with following configuration- |      |       |  |             |
|    | INCOMER :-   |      |       |  |             |
|    | 63A FP 25ka MCCB - 1 No.   |      |       |  |             |
|    | 125A TPN Aluminium bus bar for vertical distribution for 10 3pole MCB  |      |       |  |             |
|    | Phase indicating lights with control fuses   |      |       |  |             |
|    | OUTGOING :-  |      |       |  |             |
|    | 25A 3P 10ka C Curve MCB - 08 Nos.  | 1.00 | Set   |  | 0.00        |
|    | <b>TOTAL</b>   |      |       |  | <b>0.00</b> |
|    | <b>GRAND TOTAL</b>   |      |       |  | <b>0.00</b> |

D/M(C)-I      ASW(C)      Executive Engineer (C) / Executive Engineer (Elect.)