



# ODISHA HYDRO POWER CORPORATION LTD.

OFFICE OF THE GENERAL MANAGER (ELECTRICAL), BALIMELA  
HYDRO ELECTRIC PROJECT,

AT/POST: BALIMELA, DIST. MALKANGIRI, PIN-764051(ODISHA)

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(A Government of Odisha Undertaking)  
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GSTIN:21AAAC02575P1Z9

CIN:40101OR1995SGC003963

## **NOTICE INVITING TENDER NO.BHEP/24/2026-27 DATED 03.08.2026**

### **DETAILED TENDER CALL NOTICE FOR:**

**"Roof treatment of balance quarters in different colonies of BHEP, Balimela".**

#### **TECHNICAL BID**

- |   |                                                              |                                                                               |
|---|--------------------------------------------------------------|-------------------------------------------------------------------------------|
| 1 | Approximate Estimated Cost                                   | : Rs. 43,18,654.00                                                            |
| 2 | Date & Time of availability of bid<br>Document in the portal | : From 10:00Hrs of 05.08.2026 to<br>10:00Hrs of 17.08.2026                    |
| 3 | Last date & time of receipt of bid online                    | : Up to 10:00Hrs of 17.08.2026                                                |
| 4 | Date & Time of opening of the bid(s)                         | : 11:00Hrs onwards of 17.08.2026<br>(Only Technical bid)                      |
| 5 | Cost of bid document                                         | : Rs.7,080/- (Rupees Seven Thousand<br>& Eighty) only<br>(Rs.6,000/-+GST@18%) |

Sd/-  
Unit Head,  
Balimela Hydro Electric Project,  
Balimela

## C O N T E N T S

| Sl. No. | SUBJECT                               | PageNo. |
|---------|---------------------------------------|---------|
| -----   |                                       |         |
| 1.      | <i>Tender Notice</i>                  | 3       |
| 2.      | <i>Instruction to Tenderer</i>        | 4-10    |
| 3.      | <i>General Terms &amp; Conditions</i> | 11-16   |
| 4.      | <i>Contract Data</i>                  | 17      |
| 5.      | <i>Technical Specification</i>        | 18-22   |
| 6.      | <i>Tender Schedule</i>                | 23      |
| -----   |                                       |         |



## ODISHA HYDRO POWER CORPORATION LTD.

OFFICE OF THE GENERAL MANAGER (ELECTRICAL),  
BALIMELA HYDRO ELECTRIC PROJECT,  
AT/POST: BALIMELA, DIST. MALKANGIRI, PIN-764051(ODISHA)  
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### 'e'-Procurement Notice

#### **NOTICE INVITING TENDER NO.BHEP/24/2026-27 DATED 03.08.2026**

The Unit Head, Balimela Hydro Electric Project, Balimela, Dist- Malkangiri invites percentage rate bids in **Double Cover System i.e. Cover-I (Technical Bid) & Cover-II (Price Bid)** for the work through e-procurement from eligible contractors as detailed in the table below.

| Sl. No. | Name of the Work                                                            | Approx. Estimated cost in Rs. | EMD in Rs. | Class of Contractor         | Cost of bid documents in Rs. | Period of Completion |
|---------|-----------------------------------------------------------------------------|-------------------------------|------------|-----------------------------|------------------------------|----------------------|
| 01      | Roof treatment of balance quarters in different colonies of BHEP, Balimela. | 43,18,654.00                  | 43,500.00  | 'B' class Civil Contractors | 6,000/-+ GST @ 18% = 7,080/- | 180 days             |

Availability of bid document in the portal:

**From 10:00 Hrs of 05.08.2026 to 17.08.2026 (Upto 10:00 Hrs)**

Last date & time of submission of bid:

**Up to 10:00Hrs of 17.08.2026**

The date & Time of opening of the bid:

**11:00Hrs onwards of 17.08.2026**

(Only Technical bid)

Further details can be seen from thee-procurement portal <https://tendersodisha.gov.in>

Sd/-  
Unit Head,  
B.H.E.P, Balimela

ODISHA HYDRO POWER CORPORATION LIMITED  
BALIMELA HYDRO ELECTRIC PROJECT:  
BALIMELA –764 051 (MALKANGIRI),

**Name of the work: "Roof treatment of balance quarters in different colonies of  
BHEP, Balimela"**

**INSTRUCTIONS TO TENDERERS:**

**1. AVAILABILITY OF DOCUMENTS FOR BIDDING:**

Bid documents consisting of instructions, general terms and conditions, specifications, the schedule of quantities, BoQ and other necessary documents can be seen at website <https://tendersodisha.gov.in>. The bid documents will be available at <https://tendersodisha.gov.in> as per the time schedule given in tender notice. Any Addendum/ Corrigendum to the tender will be uploaded in the e-procurement portal along with OHPC website only. Tenderers are advised to visit the e-procurement portal & OHPC website regularly to update them about the tender.

**2. PROCEDURES FOR BID SUBMISSION USING ELECTRONIC PAYMENT OF TENDER PAPER COST & EMD BY THE BIDDER:**

- a) The bidders have to log onto the Odisha e-procurement portal (<https://tendersodisha.gov.in>) using his/her digital signature certificate then search and then select the required active tender from the "Search Active Tender" option. Now submit button can be clicked against the selected tender so that it comes to the "My Tenders" section.
- b) Uploading of prequalification/Technical/Financial bid: The bidders have to upload the required prequalification/Technical/Financial bid, as mentioned in the bidding document and in line with Works Department office memorandum no. 7885/W dated 23.07.2013.
- c) **Electronic Payment of Tender Paper Cost:** Then the bidders have to select and submit the bank name as available in the payment options.
  - i. A bidder shall make electronic payment using his/her internet banking enabled account with designated banks or their aggregator banks.
  - ii. A bidder having account in other banks can make payment using NEFT / RTGS facilities of designated banks.
  - iii. Online NEFT/RTGS payment using internet banking of the bank in which the bidder holds his account by adding the account number as mentioned in the challan as an inter-bank beneficiary.
- d) **Bids Submissions:** Only after receipt of intimation at the e-procurement portal regarding successful transaction by bidder the system will activate the "Freeze Bid Submission" button to conclude the bid submission process.
- e) **System generated acknowledgement receipt for successful bid submission:** System will generate an acknowledgement receipt for successful bid submission. The bidder should make a note of "Bid ID" generated in the acknowledgement receipt of tracking their bid status.

**3. SUBMISSION OF BID (ONLINE MODE):**

- 3.1 The Bidder must possess compatible Digital Signature Certificate (DSC) of Class-II or Class-III. The bidder shall carefully go through the tender and prepare the required documents. The bid shall have a Technical Bid and a Financial Bid. The Technical bid generally consists of GSTIN, PAN, Contractor's Registration Certificate, Affidavits, fulfilling eligibility criteria, List of similar nature of works executed, list of construction machineries owned/lease holder and any other information required as per DTCN.
- 3.2 The Financial Bid shall consist of the Bill of Quantities (BOQ). Bidders are to submit only the original BOQ (in .xls format) uploaded by the Tender Inviting Authority (TIA) after entering the relevant fields without any alteration/ deletion/ modification. Multiple BOQ submission by bidder shall lead to cancellation of bid. In the percentage rate tender the bidder quoting zero percentage

is valid and will be taken at par with the estimated rate of the work put to tender.

- 3.3 The bidder shall upload the scanned copy/ copies of document in support of eligibility criteria and qualification information in prescribed format in Portable Document Format (PDF) to the portal in the designated locations of Technical Bid.
- 3.4 The bidder shall write his name in the space provided in the specified location in the Protected Bill of Quantities (BOQ) published by the Officer Inviting Tender. The bidder shall type rates in figure only in the rate column of respective items(s) without any blank cell in the rate column in case of item rate tender and type percentage excess or less up to two decimal places only in case of percentage rate tender.
- 3.5 The bidder shall log to the portal with his/ her DSC and move to the desired tender for up loading the documents in appropriate place one by one simultaneously checking the documents.
- 3.6 Bids cannot be submitted after due date and time. The bids once submitted cannot be viewed, retrieved or corrected. The Bidder should ensure correctness of the Bid prior to uploading and take print out of the system generated summary of submission to confirm successful uploading of bid. The bids cannot be opened even by the TIA or the Procurement Officer Publisher/ opener before the due date and time of opening.
- 3.7 Each process in the e-procurement is time stamped and the system can detect the time of log in of each user including the Bidder.
- 3.8 The Bidder should ensure clarity/ legibility of the document uploaded by him to the portal.
- 3.9 The system shall require all the mandatory forms and fields filled up by the contractor during the process of submission of the bid/ tender.
- 3.10 The bidder should check the system generated confirmation statement on the status of the submission.
- 3.11 The bidder should upload sufficiently ahead of the bid closure time to avoid traffic rush and failure in the network.
- 3.12 The Tender Inviting Officer is not responsible for any failure, malfunction or breakdown of the electronic system used during the e-procurement process.
- 3.13 The Bidder is required to upload documents related to his eligibility criteria and qualification information and Bill of Quantity duly filled in. It is not necessary for the part of the bidder to upload the drawing and the other Bid documents (after signing) while uploading his bid. It is assumed that the bidder has referred all the drawings and documents uploaded by the TIA.
- 3.14 The Bidder will not be able to submit his bid after expiry of the date and time of submission of bid (server time). The date and time of bid submission shall remain unaltered even if the specified date for the submission of bids declared as a holiday for the Officer Inviting the Bid.
- 3.15 The 'Online bidder' shall digitally sign on all statements, documents, certificates uploaded by him, owning responsibility for their correctness/ authenticity as per IT ACT 2000. If any of the information furnished by the bidder is found to be false/ fabricated/ bogus, he will be debarred from tendering for a period of 180 days and his registration in the portal shall be blocked and the bidder is liable to be blacklisted.
- 3.16 The tender accepting authority will verify the originals of all the scanned documents of the successful lowest bidder only within 5 days of opening of the tender. In the eventuality of failure on the part of the lowest successful bidder to produce the original documents, he will be debarred in future from participating in tender for 3 years and will be black listed by the competent authority. In such a situation, successful L-2 bidder will be required to produce his original documents for consideration of his tender at the negotiated rate equal to L1 bidder.
- 3.17 **Contractor exempted from payment of EMD will be able to participate in the tender directly by uploading documentary evidences i.e. Affidavit towards his eligibility for such exemption.**

3.18 Contractors not registered with Govt. of Odisha can participate in the e-Procurement after necessary enrollment in the portal but have to subsequently register themselves with the appropriate registering authority of the State Govt. before award of work as per prevalent registration norms of the State.

3.19 In case of any discrepancy in printing or omissions of statutory specifications or any other part or portion of the approved document during download of the bid document, the decision of the officer inviting the bid will be binding on the bidder.

#### **4. RESUBMISSION AND WITHDRAWAL OF BIDS:**

4.1 Resubmission of bid by the bidders for any number of times before the final date and time of submission is allowed.

4.2 Resubmission of bid shall require uploading of all documents including price bid afresh.

4.3 If the bidder fails to submit his modified bids within the pre-defined time of receipt, the system shall consider only the last bid submitted.

4.4 The bidder should avoid submission of bid at the last moment to avoid system failure or malfunction of internet or traffic jam or power failure etc.

4.5 The Bidder can withdraw his bid before the closure date and time of receipt of the bid by uploading scanned copy of a letter addressing to the Procurement Officer Publisher (Officer Inviting Tender) citing reasons for withdrawal. The system shall not allow any withdrawal after expiry of the closure time of the bid.

#### **5. OPENING OF THE BID:**

5.1 Bid opening date and time is specified during tender creation or can be extended through corrigendum. Bids cannot be opened before the specified date & time.

5.2 All bid openers have to log-on to the portal to decrypt the bid submitted by the bidders.

5.3 The bidders & guest users can view the summary of opening of bids from any system. Contractors are not required to be present during the bid opening at the opening location if they so desire.

5.4 In the event of the specified date of bid opening being declared a holiday for the Officer inviting the Bid, the bids will be opened at the appointed time on the next working day.

5.5 Combined bid security for more than one work is not acceptable.

5.6 The electronically submitted bids may be permitted to be opened by the predefined Bid opening officer from their new location if they are transferred after the issue of Notice inviting Bid and before bid opening. Further, action on bid documents shall be taken by the new incumbent of the post.

5.7 In case of non-responsive tender the officer inviting tender should complete the e-Procurement process by uploading the official letter for cancelled / re-tender.

#### **6. EVALUATION OF BIDS:**

6.1 All the opened bids shall be downloaded and printed for taking up evaluation. The officer authorized to open the tender shall sign and number on each page of the documents downloaded and furnish a certificate that "the documents as available in the portal containing **23 nos. of pages**".

6.2 The bidder may be asked in writing/ online (in their registered e-mail ids) to clarify on the uploaded documents provided in the Technical Bid, if necessary, with respect to any doubts or illegible documents. The Officer Inviting Tender may ask for any other document of historical nature during Technical Evaluation of the tender. Provided in all such cases, furnishing of any

document in no way alters the Bidder's price bid. Non-submission of legible documents may render the bid non-responsive. The authority inviting bid may reserve the right to accept any additional document.

6.3 The bidders will respond in not more than 7 days of issue of the clarification letter, failing which the bid of the bidder will be evaluated on its own merit.

6.4 The Technical evaluation of all the bids shall be carried out as per information furnished by Bidders.

6.5 The Procurement Officer-Evaluators; will evaluate bid and finalize list of responsive bidders.

6.6 The financial bids of the technically responsive bidders shall be opened on the due date of opening. The Procurement Officer-Openers shall log on to the system in sequence and open the financial bids.

6.7 The Financial Bid will be opened on the notified date & time online.

6.8 At the time of opening of "Financial Bid", bidders whose technical bids were found responsive will be opened.

6.9 The responsive bidders' name, bid prices, item wise rates, total amount of each item in case of item rate tender and percentage above or less in case of percentage rate tenders may see online.

6.10 Procurement Officer-Openers shall sign on each page of the downloaded BoQ and the Comparative Statement and furnish a certificate to that respect.

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

6.12 System provides an option to Procurement Officer Publisher for reconsidering the rejected bid with the approval of concern Nodal officer of the Department.

## **7. NEGOTIATION OF BIDS:**

7.1 For examination, evaluation, and comparison of bids, the officer inviting the bid may, at his discretion, ask the lowest bidder for clarification of his rates including reduction of rate on negotiation and breakdown of unit rates.

## **8. BLACKLISTING/ DEBAR OF CONTRACTOR:**

A contractor may be black listed as per amendment made to Appendix XXXIV to OPWD Code Vol. -II on rules for black listing of Contractors vide letter no.3365 dt.01.03.2007 of Works Department, Odisha.

As per said amendment a Contractor may be blacklisted under;

- a. Misbehaviour/threatening of Departmental & supervisory officers during execution of work/tendering process.
- b. Involvement in any sort of tender fixing.
- c. Constant non-achievement of milestones on insufficient and imaginary grounds and non-adherence to quality specifications despite being pointed out.
- d. Persistent and intentional violation of important conditions of contract.
- e. Security consideration of the State i.e., any action that jeopardizes the security of the State.
- f. Submission of false/ fabricated / forged documents for consideration of a tender.
- g. Non submission of Additional Performance Security (APS) within stipulated period as specified in Clause 28 (iii) as per Works Department Office Memorandum No.14402 dtd.06.10.2017.
- h. Keeping Business Relationship with a fraud Company in any manner that affects the contract executed with Government or Government agency as per Works Department Office Memorandum No.10496 dtd.12.07.2018.

## **9. SITE VISIT:**

9.1 Before submission/uploading of their bids bidders may, if they so wish, conduct site visit of BHEP, Balimela at their own expenses to get conversant with the actual site conditions. BHEP shall not entertain request of the successful bidder for any modification to the work order once the same is issued. The bidder should also inspect the quarries and approach roads to quarries and satisfy himself/themselves about the quality and availability of materials/labours.

## **10. ADDITIONAL PERFORMANCE SECURITY ENVELOPE:**

10.1 Additional performance security (APS) if any, as described under Clause No.2 of the General Terms & Conditions shall be deposited by the successful bidder only. The APS of successful bidder shall be returned after satisfactory completion of the work and issue of no objection certificate by the E.I.C.

## **11. OPENING OF ONLINE BID:**

11.1 Bids received "online" shall be opened as per the time schedule prescribed in the tender call notice in the office of the Unit Head, Balimela Hydro Electric Project, Balimela, Malkangiri in the presence of bidders who wish to attend. Bidders who participated in the bid can witness the opening of bids after logging on to the site through their DSC. If the office is closed on the date of opening of Bids as specified, all the bids will be opened on the next working day.

## **12. NON- SUBMISSION OF BID COST & EMD:**

12.1 The authority shall not be responsible for any delay and/or non-receipt of the EMD and tender paper cost on or before specified date and time. Non-submission of EMD and tender paper cost within the stipulated period shall debar the bidder(s) from participating in the online bidding system in future and their portal registration shall be blocked. Further, their names shall also be informed to the registering authority for cancellation of their respective registration as contractor.

### **13. ACCEPTANCE/ REJECTION OF TENDER:**

The authority reserves the right to accept/ reject any or all bids without assigning any reason thereof.

### **14. OFFER:**

- a. The bidders should quote their rates on percentage rate basis in the BoQ format in accordance with rules & procedures laid down for e- tendering by Govt. of Odisha. The contractor has to quote percentage excess or less over the estimated cost in the Price Bid appended to the tender document. The estimated cost is excluding GST. The rates of item basing on which estimated cost has been derived are excluding GST on different components to arrive at such rates. The Contractor will quote percentage excess/less up to two decimal point only. If he writes the percentage excess/less up to three or more decimal points, the second decimal point shall only be considered without rounding off (vide Works Department O.M No- 7885 dtd. 23.07.2013).
- b. As per the Office memorandum of Works Department, Government of Odisha vide no 07764600022025/632 Dated 09/01/2026, the threshold negative bid caps **15%** introduced in Appendix-IX, clause 36 of OPWD code has been abolished.
- c. The concessions/ facilities for 10% Purchase preference shall be allowed only to the Individual registered Contractors belonging to Schedule Caste and Schedule Tribe having Registration Certificate up to 'B' Class as per Works Department Resolution No.16262 dtd.30.10.2018. To this effect the desired bidder shall have to mention in the affidavit along with self-attested copy of Caste Certificate while submitting the tender as per Rules and Regulations laid down by PWD, Govt. of Odisha. Otherwise, they will not be entitled to avail such facilities and treated as General category & the bid will be evaluated on its own merit.
- d. The Security Deposit (Earnest Money, Security and Performance Security) at half the usual rate may be deposited/ realized by/from the Scheduled Caste or Scheduled Tribe Contractors coming under the Categories up to "B" Class only as against the prescribed percentage under Rule-13 of Appendix-VIII (P.W.D. Contractors' Registration Rules, 1967) of O.P.W.D. Code, Volume-II.
- e. By admission of a tender for the work, a tenderer will be deemed to have satisfied himself by actual inspection of the site and locality of the work, about the quality and availability of the required quantity of material including medical aid, labour and food stuff etc., and that rates quoted by him in the tender will be adequate to complete the work according to the specifications attached there to and that he had taken in to account all conditions and difficulties that may be encountered during its progress and to have quoted rates including labour and materials, other duties, lead, lifts, loading and unloading, freight for all materials and all other charges necessary for the completion of the work, to the entire satisfaction of the Engineer-in-Charge of the work and his authorized subordinates. After acceptance of the contract rate, OHPC will not pay any extra charges for any reason in case the contractor claims later on to have misjudged as regard availability of materials, labour and other factors. The rates quoted by the Contractor shall be excluding GST. GST as applicable for works contract shall be payable to Contractor on bill amount.
- f. The contractor is required to pay royalty, EMF, DMF and additional charges as applicable to Govt. towards use of minor minerals and produce such documents in support of their payment to the concerned Executive Engineer with their bills, falling which the amount towards royalties, EMF, DMF and additional charges of different materials as utilized by them in the work will be recovered from their bills and deposited in the Government revenue. This is as per the Gazette Notification No. 2280 dtd. 15.12.2016 of Steel & Mines Department, Government of Odisha and Letter No. 186/XVII-02/2023 dtd. 31.05.2023 of Collector Malkangiri.
- g. Labour Cess @ 1 (one) % of the amount of each bill shall be proportionately deducted from the Contractor's bill at the time of making payment of each bill.
- h. No price escalation due to escalation in rates of minerals and other building materials will be admissible in any circumstances throughout the contract period. The bidders are instructed to quote

their rate accordingly while submitting the bids.

- i. No bonus will also be admissible for early completion of work. However, the successful bidder will have to complete the work entrusted to him/her well within stipulated work completion period.

**15. DOCUMENTS TO BE UPLOADED:**

- A. The following documents to be uploaded in the web portal failing which the tender will be **out-rightly rejected**.

- i. **Self-attested copy of valid Civil Contractor's Registration Certificate**

- ii. **Self-attested copy of valid IT PAN card**

- iii. **Self-attested copy of valid GST Registration Certificate**

- B. The following documents also required to be uploaded failing which the tender may be liable for rejection.

- a) Work experience certificate (Annexure-I)

- b) Tender acceptance letter (Annexure-II)

- c) Affidavit/Self-declaration of authenticity of documents and must not have been blacklisted by any Central Government / State Government / PSU/ Government Bodies and No relation certificate (Annexure-III)

- d) Authorization certificate from STP/Dr. Fixit regarding supply and supervision of work during execution. (Annexure-IV)

- e) Check list (Annexure-V)

- f) Documents relevant to eligibility criteria.

**16. DEFINITION:**

- a) "**CUSTOMER**" means the Unit Head, Balimela Hydro Electric Project, Balimela.

- b) The "**FIRM**" shall mean the contractor, who intends to participate in the Tender.

- c) "**JOB WORKS**" means the work to be executed as defined and set out in the Tender Specifications and includes all maintenance works ordered by the Engineer-in-Charge in accordance with the provisions of the contract.

- d) "**LABOUR**" shall mean all categories of labour engaged by the Contractor, in connection with the execution of the Job work covered in Tender Specification. All these labourers will be deemed to be employed primarily by the Contractor.

- e) The "**ENGINEER-IN-CHARGE**" shall mean the Divisional Head, Utility Division, Balimela in charge of works under the scope of the contract.

- f) "**THE COMPLETION CERTIFICATE**" shall mean the certificate to be issued by the Engineer-in-charge when the works have been completed to his/her satisfaction.

- g) "**FINAL CERTIFICATE**" shall mean the certificate regarding the satisfactory compliance of the various provisions of the contract and to be issued by the Engineer-in-charge after completion of the work.

- h) Unless otherwise provided, all reference to sums of money shall refer to Indian currency and all payments by the Project under the contract shall be made in Indian currency.

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## **GENERAL TERMS AND CONDITIONS:**

### **1. PERFORMANCE SECURITY DEPOSIT:**

The successful bidder shall have to deposit **05% of the ordered value (excluding GST)**, towards security for performance in shape of **B.C/D.D/B.G (as per prescribed format of OHPC)** from any nationalized Bank / Scheduled Bank drawn in favour of **Odisha Hydro Power Corporation Ltd., Payable at SBI, Orkel, Branch Code-04853, IFSC Code-SBIN0004853** within 07 days of issue of work order to the undersigned. **The total security deposit of 05% of the contract value shall be refunded after successful completion of the guarantee period on receipt of no objection certificate from the Engineering-In-Charge.** No interest shall be payable on SD.

The Security Deposit (Earnest Money, Initial Security and Performance Security) at half the usual rate may be deposited/ realized by/from the Scheduled Cast or Scheduled Tribe Contractors coming under the categories up to "B" Class only as against the prescribed percentage under Rule-13 of Appendix-VIII (P.W.D. Contractors' Registration Rules, 1967) of OPWD Code, Volume-II.

### **2. ADDITIONAL PERFORMANCE SECURITY (APS) /DIFFERENTIAL AMOUNT:**

Additional Performance Security (APS) is being obtained from the Successful Bidder when the Bid amount is less than estimated cost put to tender to the extent as given below, in shape of **D.D/B.C/B.G(as per prescribed format of OHPC)** in favour of Odisha Hydro Power Corporation Ltd., Balimela from any Nationalized /Scheduled Bank in India counter guaranteed by its local branch within **07 (seven) days of issue of Letter of Acceptance (LoA)** to the undersigned, otherwise the bid of the successful bidder shall be cancelled, the Contractor/ Firm will be debarred from tendering for a period of 180 days & the EMD amount shall be forfeited. Further, proceeding for blacklisting shall be initiated against the bidder. This is as per amendment to para 3.5.5 (v) of OPWD Code, Vol-I vide Works Department Office Memorandum No.14459/W dated 20.09.2018 & Office Memorandum No.4559 dtd.05.04.2021 of Works Department, Government of Odisha. **APSD shall be deposited by the successful bidder only. The APSD of successful bidder shall be returned after satisfactory completion of the work and issue of no objection certificate by the E.I.C.** No interest will be payable on APSD.

As per Govt. of Odisha, Works Department Office Memorandum No. 173 Dated 03.01.2026 Additional Performance Security shall be taken on an incremental basis from the selected/successful bidder for low bid prices in the works as under;

- a) **Where the bid price is below 0% but not below 10% of the project cost put to bid,** no Additional Performance guarantee / security percentage is required.
- b) **Where the bid price is below 10% but not below 20% of the project cost put to bid,** the Additional Performance guarantee / security percentage shall be incremented by 0.1% for every percentage of bid price below 10% of the project cost put to bid starting at 11% with the additional bid Performance guarantee being 0.1% and this additional performance guarantee percentage shall be applied on the bid price.
- c) **Where the bid price is below 20% but not below of the project cost put to bid,** the Additional Performance guarantee / security percentage shall be incremented by 0.2% for every percentage of bid price below 20% of the project cost put to bid in addition to 1% of the bid price and this additional Performance guarantee percentage shall be applied on the bid price.
- d) The additional Performance guarantee percentage shall be rounded off the next lower percentage based on whether the decimal point of the percentage of bid price is below 0.5 % or next higher percentage based on whether the decimal point of the percentage of bid price is 0.5% or more.
- e) **The additional Performance Security shall be treated as part of the Performance Security.**
- f) Justification for abnormally low bids shall be scrutinized by the Departmental Technical Committee and recommended to the competent authority of the Administrative Department for the approval of the Additional Performance Security (APS). An abnormally low bid is one in which the Bid price, in combination with other elements of the Bid, appears so low that it raises material concerns as to the capability of the Bidder to perform the contract at the offered price. Procuring Entity may, in such cases, seek written clarification from the Bidder, including detailed price analyses of its Bid price in relation to scope, schedule, resource mobilization, allocation of risks and responsibilities, and any

other requirements of the bid document., If, after evaluating the price analyses, the procuring entity determines that the Bidder has substantially failed to demonstrate its capability to deliver the contract at the offered price, the Procuring Entity may reject the Bid/ Proposal.

**3. GRANT OF CONCESSION (S) TO SCHEDULED CASTE AND SCHEDULED TRIBE CONTRACTORS:**

The concessions/ facilities for 10% Purchase preference shall be hereby allowed only to the Individual registered Contractors belonging to Schedule Caste and Schedule Tribe having Registration Certificate up to 'B' Class as per Works Department Resolution No.16262 dtd.30.10.2018. To this effect the desired bidder shall have to mention in the affidavit while tender submission as per Rules and Regulations laid down by PWD, Govt. of Odisha.

4. As per the Office memorandum of Works Department, Government of Odisha vide no 07764600022025/632 Dated 09/01/2026, the threshold negative bid caps **15%** introduced in Appendix-IX, clause 36 of OPWD code has been abolished.
5. The Security Deposit (Earnest Money, Security and Performance Security) at half the usual rate may be deposited/ realized by/from the Scheduled Caste or Scheduled Tribe Contractors coming under the Categories up to "B" Class only as against the prescribed percentage under Rule-13 of Appendix-VIII (P.W.D. Contractors' Registration Rules, 1967) of O.P.W.D. Code, Volume-II.
6. The S.T/S.C contractors seeking exemption of EMD or price preference are required to produce an affidavit to this effect. Both engineering & S.T/S.C contractors should submit the affidavit in writing regarding the benefit to be availed, from the concerned officer inviting tender, otherwise they will not entitled to get the benefit. The S.T/S.C Contractors having Degree/ Diploma in Engineering are not allowed to avail both the benefits.
7. A bidder can submit only one set of tender paper. Submission of more than one set of tender paper bidder for a particular work will be liable for rejection of all such tender paper of the concerned bidder. All other details can be seen in the bidding documents.
8. Notwithstanding the details mentioned herein, the process of e-tendering shall be governed as per GoO in works Dept. Order No - FA-R-3/08-1027/W, Dtd. 24.01.2009 & subsequent amendments thereof.

**9. TOOLS AND PLANTS:**

The Contractor shall arrange all the tools and plants required for execution of the work at his own cost. The contractor shall also provide all safety gadgets for his workmen during execution of work.

**10. CONTRACTOR'S RISK & RESPONSIBILITY:**

The Contractor shall take upon himself whole risk of executing the works and supply of all materials for the work. All works executed shall be at his own risk until a certificate of completion of the work is issued by the Engineer-in-Charge. The work is to be executed as per the direction of the E.I.C or his representative by the successful bidder after execution of agreement. The work as indicated in the tender schedule shall also be executed by the persons having expertise in construction and successful completion of similar nature of work and as per instruction and satisfaction of Engineer-in-charge. **No quantity of each item of work allotted should be deviated without prior approval of the competent authority.** The work shall however be executed as per final approved drawing to be issued by the Engineer-in-Charge as and when required.

11. **PAYMENT OF WAGES/INSURANCE:** The Contractor shall take all responsibilities towards any injury/death arising out of accident during the execution of work. The firm will bear the compensation towards injury/death of any worker arising out of any accident during execution of the work and pay necessary compensation as per the workmen's compensation Act & rules framed there under. The contractor shall pay the minimum wages as prescribed under Contract Labour (Regulation & Abolition) Act & rules framed there under.

12. **PERIOD OF COMPLETION OF WORK:** The work completion period will be **180 days from date of execution of agreement.** In the event, the contractor fails or refuses to complete the work, appropriate action shall be initiated against the contractor including recovery of the additional\_expenses required to complete the work.

### **13. EXECUTION OF WORK:**

The work is to be executed as per the direction of the E.I.C or his representative after execution of agreement. The work as indicated in the tender schedule shall also be executed by the persons having expertise in construction of similar nature of work and as per instruction and satisfaction of Engineer-in-charge. **No quantity of each item of work allotted should be deviated without prior approval of the competent authority.** The work shall however be executed as per final approved drawing to be issued by the Engineer-in-Charge as and when required.

*As the works will be carried out in different colonies of BHEP, Balimela following points should be taken into consideration during the execution of work: -*

- o Any damage to the existing structure should be rectified by the contractor/firm at his own expenses.*
- o There should not be any interference in movements/utilization of the quarter premises by the occupants.*
- o In no case, the works carried out by the contractor is found to be inferior due to use of bad materials and workmanship. In that case, the contractor shall carry out the same work again for satisfaction of EIC in such a manner that after completion of a particular work, there shall be no complaint on the work by the residents/employees.*
- o The surrounding premises shall be kept in Garbage free, clear and hygienic to avoid unhealthy condition for occupants of the colony habitat.*

### **14. ELIGIBILITY CRITERIA:**

- a) The Contractor shall have a valid & appropriate class of Contractor's license at the time of participation in the tender.
- b) The Contractor shall have authorization certificate regarding supply of materials and supervision of work from reputed company i.e. STP /Dr. Fixit at the time of participation in the tender.
- c) The bidder shall have experience of execution of **similar nature of work i.e. experience in water proofing treatment work over roof top during last 05 (five) years in any Govt. Departments/ PSUs** and they have to submit documentary evidence regarding the same.

**15.** Offers of the contractors/agencies who have failed to execute the previous work order placed on him/them by BHEP, Balimela shall not be considered.

### **16. COMPLIANCE TO STATUTORY OBLIGATIONS:**

The Contractor has to comply with all statutory formalities/ requirements including payment of minimum wages, use of safety gadgets by the workmen during execution of work etc. The Contractor shall maintain all the requisite Registers required for law enforcing agencies during the contract Period. The firm/contractor shall be responsible for Payment of compensation towards injury/death of any of his workmen during the course of the performing duties as per Workmen's Compensation Act, 1923 during the period of contract. OHPC Ltd shall have no liability in the above matter.

**17. GUARANTEE:** The work so executed under the contract should be guaranteed for a period of **05 (Five) years from the date of completion of the work or as prescribed by the manufacturer of the materials used whichever is later.** Any defect found during the guarantee period should be rectified /repaired/ corrected/ re-constructed etc. by the contractor free of cost.

**18. VALIDITY:** The tender should be valid for a minimum period of **120 days** from the date of opening of the tender failing which the tender will be rejected.

**19. LIQUIDATED DAMAGE:** If the contractor fails to complete the work within the time period specified in work order, the customer shall recover from the contractor the liquidated damage @ 0.5% of the contract price for each Calendar week of delay or part thereof. The total amount of liquidated damage shall not exceed 5% of the contract value.

**20. FORCE MAJURE:**

The contractor shall not be liable for any L.D. for delay in fulfilling the obligation of the contract for reasons of force majeure such as Acts of Govt., Act of Public Enemy, Fire, Floods, Epidemic, Quarantine, War restriction imposed by Govt., Strike etc provided that the contractor shall, within **07 days** of the beginning of such delay, notify to the EIC in writing of the nature and cause of such delay. OHPC shall verify the facts and may grant such time extension (s) as facts justify.

**21. OUTRIGHT REJECTION CRITERIA:** The bidders shall be out-rightly rejected in the following conditions:

- i. Submitting false evidences that cannot be verified during the process shall be disqualified/terminated from consultancy
- ii. The bidder blacklisted by any Central Government/ State Government/ PSU/ Government Bodies.
- iii. Non-submission of Self attested copy of valid Contractor's License, IT PAN card and GST Registration Certificate.
- iv. Non-submission of requisite amount of EMD and cost of tender paper.
- v. If the contractor obtains the assignment on the basis of false information/false statement.

**22. EXTENSION OF COMPLETION PERIOD:**

Application for extension of time for completion of work on the grounds of unavoidable circumstances/hindrance or Force Majeure conditions or any other grounds shall be submitted by the contractor along with relevant documents, justifying the necessity of extension of time to the Divisional Head/EIC, who shall after verification of the application & documents, site conditions during that particular period, other connected documents with regard to the claim of the contractor, submit his recommendation with sufficient justification for such extension of time as deemed proper. The extension of completion period will not normally be permitted. However, it may depend on force Majeure conditions or any other ground, not attributable to the contractor. In cases, where the delay in completion period is attributable to the contractor, LD will be applicable.

**23. PAYMENT TO THE CONTRACTOR:**

The Contractor shall submit GST compliant bill in triplicate after completion of the assigned work on measurement basis to the Engineer-in-charge for verification & certification. The Engineer –in-charge, after verification & certification of the work executed shall send the bill to the Finance Wing for pass & Payment. Payment will be made within 45 days of submission of bill. TDS on IT and GST and labour cess as applicable will be deducted from the payable. The payment will be made in 01 (one) number of R.A bill and final bill as per following payment schedule:

- i. 1st running bill allowed after completion of 40% of the work and **maximum 40 % of total contract value** shall be released only after successful completion of portion of the work in all respect and after verification of the bills.
- ii. Final bill for balance work as per scope of the work amounting to **60% of the total contract value** shall be released only after successful completion of the balance work in all respect and verification thereof.

**24. PAYING OFFICER:**

The Finance Wing Head, O/o of Unit Head, Balimela Hydro Electric Project, Balimela.

**25. TAXES:**

The quoted price shall include all taxes & duties as applicable except GST, which will be paid extra as per applicable rates and rules. Income tax, Cess etc as applicable shall be deducted from the invoices of the bidders as per rules prevailing at the time.

**26. EXECUTION OF THE CONTRACT AGREEMENT AND COMMENCEMENT OF WORK:**

The contractor shall execute contract agreement with the **Divisional Head, Utility Division, BHEP, Balimela** within **07 (Seven) days of acceptance of the work order** on non-judicial stamp paper worth Rs. 100/-, payable by the contractor. **The commencement of work shall start from date of signing of agreement. The Contractor has to deposit the security deposit before signing of the contract agreement.** The work is to be completed in all respects within the time period as specified in the Contract Data. The Engineer-in-Charge will verify all the original documents as mentioned below.

**Documents to be submitted at the time of execution of Agreement:**

- i. Self-attested copy of valid Contractor's Registration Certificate
- ii. Self-attested copy of valid IT PAN card
- iii. Self-attested copy of valid GST Registration Certificate
- iv. Copy acceptance of work order
- v. Self attested copy of valid Building & Construction Workers Registration Certificate
- vi. Authorization certificate from STP/Dr. Fixit regarding supply of materials and supervision of work during execution. (Annexure-V)

**27. REJECTION OF WORK:**

In case, the work entrusted to the contractor is not completed in time the quality of the work is poor, or the Contractor refuses to work after carrying out some portion the work, or the contractor becomes insolvent, the contract shall be rescinded with rescission notice in writing by the ordering authority and in such case, an amount equivalent to 20% of the value of left-over work will be realized from the Contractor as penalty. This is as per works Dept Memo No. 13396, D1.01.07.2005 forming the part of Amendment to the F2 Agreement in OPWD Code.

**28. TERMINATION OF CONTRACT:**

The contract shall be terminated on the following conditions with a notice of one month.

- i. If the firm fails to discharge its responsibility as per the terms & conditions laid down in the work order.
- ii. If the firm fails to fulfill its contractual obligations as provided in the Agreement/tender documents/ work order.
- iii. If the Supervisor of the firm remains absent for days together from the site without information to the Engineer-In-Charge or his representative.
- iv. If the firm violates the terms & conditions of tender / work order/ agreement.
- v. If the work entrusted to the contractor is not completed in time or the quality of the work is poor or the contractor violates the contractual provisions, or the Contractor refuses to work after carrying out the work for some times or the contractor becomes insolvent then the firm will be served a notice of termination seeking clarification of the firm on the charges so indicated in the termination notice. The Unit Head shall consider the charges and the reply of the firm to the charges & decide accordingly.
- vi. If the firm is found to be involved in fraudulent activities or found to be involved in manipulation of any record / document or found to be involved in malpractice etc, the Unit Head reserves the right to terminate the contract.
- vii. The Authority reserves the right to terminate the contract without assigning any reason thereof, at any time during the period of contract by giving 30 days' notice of its intention to do so. In the event of such termination of the contract, the firm shall only be entitled for an amount equivalent to 20% of the value of left-over work will be realized from the Contractor as penalty. This is as per works Dept Memo No. 13396, Dt.01.07.2005 forming the part of Amendment to the F2 Agreement in OPWD Code.

**29.** The S.T/S.C contractors seeking exemption of EMD or price preference are required to produce an affidavit to this effect. Both engineering & S.T/S.C contractors should submit the affidavit in writing regarding the benefit to concerned officer inviting tender, otherwise they will not entitle to get the benefit. The S.T/S.C Contractors having Degree/ Diploma in Engineering are not allowed to avail both the benefits.

**30.** A bidder can submit only one set of tender paper. Submission of more than one set of tender paper for a particular work will be liable for rejection of all such tender paper of the concerned bidder. All other details can be seen in the bidding documents.

**31.** Notwithstanding the details mentioned herein, the process of e-tendering shall be governed as per GoD in works Dept. Order No - FA-R-3/08-1027/W, Dtd. 24.01.2009 & subsequent amendments thereof.

**32. DISPUTE AT SITE:**

Disputes arising out of execution of the work in respect of quality of AMC works or quantity of utilization of materials or for any other reason in connection with this contract, the decision of the Unit Head, Balimela Hydro Electric Project, Balimela shall be final.

**33. JURISDICTION OF COURT:**

Suits if any arising out of this contract shall be filed by either party in a Court of Law, to which the jurisdiction of High Court of Odisha extends.

**34. RIGHT OF AUTHORITY:**

The undersigned reserves the right to accept/reject any or all tenders and also reserves the right to increase/decrease the quantity and value of the contract without assigning any reason whatsoever. In case of any discrepancy in printing or omissions of statutory specifications or any other part or portion of the approved document during download of the bid document, the decision of the officer inviting the bid will be binding on the bidder.

**35. LETTER OF ACCEPTANCE:**

The letter of acceptance along with the APSD if any should be submitted to the office within **07 (seven) days** of issue of the confirmation letter of successful bidder by the TIA, failing which the bid of the successful bidder shall be cancelled & the EMD amount shall be forfeited.

**N.B:-In case of any clause as per the tender / work order/ agreement differs with that of provision under OPWD Code, the clause which has been specified by OHPC shall prevail. However, where OHPC has not specified any clause on any issue, the provisions under OPWD code shall be followed.**

**Sd/-  
Unit Head,  
Balimela Hydro Electric Project,  
Balimela**

## **CONTRACT DATA**

### **A. GENERALINFORMATIONS**

| <b>Sl.No.</b> | <b>Item</b>                | <b>Details</b>                                                                     |
|---------------|----------------------------|------------------------------------------------------------------------------------|
| 01            | Notice Inviting Tender No. | BHEP/24/2026-27 dated 03.08.2026                                                   |
| 02            | Name of the Work           | <b>Roof treatment of balance quarters in different colonies of BHEP, Balimela.</b> |
| 03            | Tender Inviting Authority  | Unit Head, BHEP, Balimela                                                          |
| 04            | Engineer-in-Charge         | Divisional Head, Utility Division, BHEP, Balimela                                  |
| 05            | Name of the Office         | O/o the Unit Head, Balimela Hydro Electric Project, Balimela                       |
| 06            | Accepting Authority        | Unit Head, BHEP, Balimela                                                          |
| 07            | Estimated Cost             | <b>Rs. 43,18,654.00</b>                                                            |

### **B. BIDINFORMATION**

|    |                                                                                                                       |                       |                                                                                                                                                         |
|----|-----------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| 08 | Intended completion period/Time period assigned for Completion as per clause 12 of General Terms & Conditions of DTCN |                       | <b>180 days</b>                                                                                                                                         |
| 09 | Last Date & time of submission of Bid(as per NIT)                                                                     |                       | <b>17.08.2026 (Upto10:00Hrs)</b>                                                                                                                        |
| 10 | Cost of Bid Document(Clause No.12.1of DTCN.)                                                                          |                       |                                                                                                                                                         |
|    | <b>i.</b>                                                                                                             | To be remitted online | <b>Rs. 7,080.00 (inclusive of GST)</b>                                                                                                                  |
| 11 | Additional Performance Security(Clause No.2 of General Terms & Conditions of DTCN)                                    |                       |                                                                                                                                                         |
|    | <b>ii.</b>                                                                                                            | Pledged in favour of  | <b>Odisha Hydro Power Corporation Limited</b>                                                                                                           |
|    | <b>iii.</b>                                                                                                           | Payable at            | SBI, Orkel (codeNo.4853)                                                                                                                                |
|    | <b>iv.</b>                                                                                                            | Type of instrument    | Bank Guarantee/Demand Draft                                                                                                                             |
| 12 | Bid validity period (Clause No. 18 of General Terms & Conditions of DTCN)                                             |                       | 120 days                                                                                                                                                |
| 13 | Currency of Contract                                                                                                  |                       | INR                                                                                                                                                     |
| 14 | Language of Contract                                                                                                  |                       | English                                                                                                                                                 |
| 15 | Similar Nature of work as per Clause 14 of General Terms & Conditions of DTCN                                         |                       | <b>Similar nature of work i.e. experience in water proofing treatment work over roof top during last 05 (five) years in any Govt. Departments/ PSUs</b> |

## **TECHNICAL SPECIFICATIONS**

### **LIST OF BUREAU OF INDIAN STANDARDS CODES**

| Sl. No. | I.S Code No. | Subject                                                                        |
|---------|--------------|--------------------------------------------------------------------------------|
| 01      | IS:456:2000  | Plain and reinforced concrete-Code of practice                                 |
| 02      | IS:1322:1993 | Specification for bitumen felt for water proofing and damp proofing.           |
| 03      | IS:1580:1991 | Specification for bituminous compounds for water proofing and caulking purpose |

#### **1. MATERIAL:**

- a) All materials as far as possible shall be obtained from the Authorized dealer of STP/Dr. Fixit and shall be subjected to approval by the EIC prior to use. Mineral aggregates shall consist of natural or crushed stone. Sand shall be of reasonably uniform quality throughout and shall be clean and free from soft or decomposed particles, excess clay, and foreign organic or other deleterious matter.
- b) Coarse Aggregate shall be crushed or broken stone and shall possess high resistance against abrasion and impact. The crushed or broken stone shall be hard durable and free from excess of flat, elongate, soft and disintegrated particles, dirt and other objectionable matter.

#### **2. ROOF TREATMENT MEMBRANE:**

It is a heavy duty APP modified polymeric waterproofing membrane, with high quality polymeric bituminous mix having high softening point, high heat resistance and cold flexibility sandwiched between two thermo fusible high-density polyethylene sheets (HMHDPE) on both sides. It conforms to of IS 16540: 2017.

##### **Characteristics:-**

| Property                            | STP                          | Dr.Fixit                     |
|-------------------------------------|------------------------------|------------------------------|
| Colour                              | Black                        | Black                        |
| Softening Point (°C)                | ≥ 120                        | ≥ 150                        |
| Penetration at 25°C, 100gm, 5 sec.  | 15± 5                        |                              |
| Heat resistance                     | Does not drip@100°C for 2hrs | Does not drip@120°C for 2hrs |
| Water absorption, % maximum         | 0.2                          | 3.2                          |
| Pressure Head Test                  | No Sign of leakage           | No Sign of leakage@ 5BAR/50M |
| Cold resistance (Pliability) at 5°C | Does not crack               | Does not crack@2°C           |
| Elongation, %                       |                              |                              |
| • Lengthwise                        | ≥ 100                        | 55± 10                       |
| • Crosswise                         | ≥ 100                        | 60± 10                       |
| Tensile Strength, N/5 Cm            |                              |                              |
| • Lengthwise                        | 40                           | 700± 10%                     |
| • Crosswise                         | 30                           | 450± 10%                     |
| Additional Center Core, micron      | 100                          |                              |
| Thickness (mm)                      | 1.0<br>2.0                   | 3± 5%<br>4± 5%               |
| Length (Mtr.)                       | 1x10                         | 1x10                         |

\*Self-adhesive

## **Application**

The material is recommended for water proofing of;

- Roof-tops, basements
- Corrugated sheets and sunken slabs
- Pre-cast concrete roofs.

## **Advantages**

- Good elongation to absorb all structural movements
- High softening point & high penetration.
- Dimensional stability.
- Flexibility at very low temperature.

## **Application Methodology**

### ➤ **Surface Preparation**

- Remove all loose gravel, dirt, oil, grease and foreign matter by jet of dry air and clean the surface mechanically or by grinding to make it smooth before application.
- Ensure that the moisture content in the prepared surface does not exceed 5%.
- Correct all construction joints by grouting with plasticized and non-shrink cement / mortar admixture at 1 map art and opening of joints in “V” cut groove and fill with Shali Fix RMC/ Dr. Fixit MC, using Shali SBR Latex/Dr. Fixit 302 Super Latex as the bond coat.
- Ensure that level of all drain mouth is lower than deck slab level by at least 15 mm.
- Provide 75 mm x 75 mm coving made out of PCC admixed with Shali Plast LW/ Dr. Fixit pidiproof LW + and using Shali SBR Latex/Dr. Fixit 302 Super Latex as bond coat.

### ➤ **Water proofing Application**

- Apply a coat of Shali Tex Primer/Dr. Fixit Prime Seal@0.3L/ m2 and allow it to dry. In areas of high humidity, the prime surface should be left over-night.
- On primed surface, use Bitumen Grade 85/25 as bonding material which is to be prepared by heating it to the correct working temperature and spreading over the roof properly and uniformly @ 1.2 kg / m2 per coat for waterproofing application or as specified.
- Unroll and fix APP Membrane by applying uniform pressure with hand for removal of any entrapped air.
- Provide overlap joints of 75mm in longitudinal direction and 100 mm in transverse direction of the APP Membrane roll and seal it properly with hot bitumen.
- For double layer treatment, stagger all over lap joints
- Terminate APP Membrane at the top of parapet if the height of parapet is up to 450mm. In case the height of the parapet is above 450 mm, Membrane shall be terminated at parapet in a groove 75 x 65 mm at a height of 300 mm from the roof level and groove shall be filled up with cement-sand mortar (1:4) with addition of Shali Plast LW/ Dr. Fixit pidiproofLW + @200 ml/ bag of cement.
- Top coat shall be finished with a layer of stone grit or pea gravel (6 mm and down size) which shall be laid by spreading it over a hot bitumen coat @1.2 Kg / m2 laid over the felt or apply a coat of bituminous based aluminium paint, @ 0.125 L / m2.

### ➤ **Protection of Waterproofing**

- For a trafficable roof, protect membrane with PCC / Tiles. In case of PCC, suitable reinforce fabric (Glass Fiber) 600 gm/ m3 and Shali Plast LW/ Dr. Fixit pidiproofLW + @200 ml/ bag of cement to be added to improve the resistance to crack formation and as well as water

proofing properties of screed.

- Use BS/CS cold adhesive wherever hot application is difficult or not permitted.

➤ **Health & Safety**

- Avoid contact with skin/eyes, and avoid swallowing.
- Ensure adequate ventilation and avoid inhalation of vapour.
- Wear suitable protective clothing, gloves and eye protection.
- In case of skin contact, rinse with plenty of clean water, then cleanse with soap and water. Do not use solvent to clean the contacted area.
- In case of eye contact, wash with plenty of clean water and seek medical advice.
- If swallowed, seek medical attention immediately. Do not induce vomiting.

➤ **Storage**

- Keep in cool and dry place, under shed, away from heat.

### **3. COMPOSITION OF CONCRETE:**

#### **i. GENERAL MIX COMPOSITION:**

The concrete shall be composed of cement, fine aggregate, coarse aggregate, water and admixtures as specified. All materials shall be well mixed and brought to the proper consistency.

#### **ii. CONSISTENCY:**

The detailed mix proportions shall be submitted to Customer for approval to secure concrete of the proper consistency and to adjust for any variation in the moisture content or grading of the aggregate as they enter the mixer. Addition of water to compensate for stiffening of the concrete before placing will not be permitted. Uniformity in concrete consistency from batch to batch will be required.

#### **iii. CEMENT:**

Generally cement shall be ordinary Portland cement conforming to IS:269, or Portland slag cement conforming to IS:455, or Portland pozzolana cement conforming to IS:1489. In special cases, rapid hardening Portland cement, low heat cement, etc. may be permitted by the Customer.

### **4. COARSE AGGREGATE:**

Coarse aggregate shall conform to IS: 383 and shall be hand/crusher broken granite natural gravel or manufactured coarse aggregate. Coarse aggregate shall consist of well shaped clean, arid, dense, durable granite rock fragments and shall not include elongated, flaky or laminated pieces and any other impurities or deleterious material.

### **5. ADMIXTURE:**

The contractor shall use admixture, if required, in order to improve the quality of concrete or mortar such as workability and finish ability and water tightness as per manufacturer's instructions only with the approval of Employer. The admixture shall conform to IS: 9103.

### **6. WATER & ELECTRICITY:**

Water used for both mixing and curing shall be clean and freed from injurious materials such as oil, acid, alkali, salts, organic materials or other substances that may be deleterious to concrete and steel. Potable water is generally satisfactory. Water for construction, curing or any other purpose shall be brought/ arranged by the Contractor at his own cost. Further, the Contractor will have to make his own arrangement at his own cost for obtaining or providing electric supply at Worksite. Electrical supply for the department's use at worksite shall be provided by the Contractor. No

charges would be payable by the Department.

## **7. BATCHING AND MIXING:**

The contractor shall provide equipment and shall maintain and operate the equipment to produce the required quality of concrete. When any mixer produces unsatisfactory results, EIC may direct the contractor to increase the mixing time or repair the mixing blades and the contractor shall promptly carryout the directions of EIC. The order feeding the materials in to the mixer shall be subject to approval of EIC. All concrete shall be machine mixed.

## **8. QUALITY CONTROL:**

The contractor shall establish and maintain quality control procedures for different items of work and material to ensure that all work is performed in accordance with the specifications and best modern practice. In addition to the contractor's quality control procedures, materials and workmanship at all times shall be subjected to inspection by the EIC. As far as possible, all inspection by the EIC or his representative shall be made to the Site. The contractor shall co-operate with the EIC in permitting access for inspection to all places where work is being done and in providing free of cost of all necessary help in respect of tools and plants, instrument, labour and material required to carry out the inspection. Materials or workmanship not in reasonable conformance with the provisions of this specification maybe rejected at any time during the progress of the work.

## **9. COMPLETION OF WORK:**

- The Contractor after completion of work shall clean the site of all debris and dump it at the designated place decided by the EIC. Remove all unused materials other than those supplied by the department and all plant and machinery, equipment, tools etc. belonging to him within one month from the date of completion of the work or otherwise the same will be removed by the department at his cost & disposed off as per departmental procedure. In case the material is disposed of by department, the sale proceeds will be credited to the Contractors account after deducting the cost of sale incurred. However no claim of Contractor regarding the above will be entertained afterwards.
- The work shall not be considered to have been completed in accordance with the terms of the contract until the Engineer- in-charge shall have certified in writing to that effect. No approval of material or workmanship or approval of part of work during the progress of execution shall blind the Engineer- in-charge or in any way prevent him from even rejecting the work which is claimed to be completed and to suspend the issue of his certificate of completion until such alteration and modification or reconstruction have been effected at the cost of the Contractor as shall enable him to certify that the work has been completed to his satisfaction.
- After the work is completed, the Contractor shall give notice of such completion to the Engineer- in-charge and within 30 days of receipt of such a notice, the Engineer- in-charge shall inspect the work and if there is no defect in the work, shall furnish the Contractor with certificate indicating the date of completion. However, if there are any defects which in the opinion of the Engineer- in-charge are rectifiable, he shall inform the Contractor the defects noticed. The Contractor after rectification of such defects shall then inform the Engineer- in-charge and Engineer-in-charge on his part shall inspect the work and issue the necessary completion certificate within 30 days if the defects are rectified to his satisfaction and if not he shall inform the Contractor indicating defects yet to be rectified. The time cycle as above, shall continue.

- In case defects noticed by the Engineer-in-charge which in his opinion are not rectifiable but otherwise work is acceptable at reduced payment, work shall be treated as completed. In such cases completion certificate shall be issued by the Engineer- in-charge within 30 days indicating the un-rectifiable defects for which specified reduction in payment is being made by him.
- The completion certificate shall not be issued until the site is thoroughly cleaned and cleared off all unwanted material.
- On completion of work in all respects necessary certificate will be issued by the Engineer- in-charge and defect liability period will be counted from the date of issue of such certificate.

#### **10. HANDING OVER OF WORK:**

- All the work and material before finally taken over by BHEP will be the entire liability of the Contractor for guarding, maintaining and making good any damaged of any magnitude. Interim payments made for such work will not alter this position.
- The handing over by the Contractor and taking over by the Engineer-in-Charge or his authorized representative will always in writing of which copies will go to the Engineer-in-Charge and the Contractor. Before taking over such Works, BHEP will not put it into regular use as distinct from casual or incident alone, except as specifically mentioned elsewhere in this contract, or as mutually agreed to.

## **TENDER SCHEDULE:**

- 1) Name of the work : **Roof treatment of balance quarters in different colonies of BHEP, Balimela.**
- 2) Notice Inviting Tender No. : **BHEP/24/2026-27 dated 03.08.2026**
- 3) Estimate Cost : **Rs. 43,18,654.00**
- 4) Cost of Tender Paper : **Rs.7,080.00**
- 5) Cost of EMD : **Rs.43,500.00**
- 6) Period of completion : **180 days**
- 7) Last Date & time of submission of Bids in online mode: : **Up to 10:00Hours of 17.08.2026**
- 8) Time & Date of opening of tenders. : **11:00Hrs onwards of 17.08.2026  
(Only Technical Cover)**
- 9) The price cover will be opened of qualified bidders on prior information after technical evaluation.

**Sd/-  
Unit Head,  
Balimela Hydro Electric Project,  
Balimela**