

# GOVERNMENT OF ODISHA

H & UD DEPARTMENT



DOCUMENTS FOR DOUBLE COVER

TECHNICAL BID DOCUMENTS / DETAILED TENDER CALL NOTICE  
FOR THE WORK

**“CONSTRUCTION OF G+2 MARKET COMPLEX AT  
MANDAL BAZAR IN W.N-25 UNDER BALASORE  
MUNICIPALITY”**

**ESTIMATED COST: - Rs. 4,79,22,315.00**

OFFICE OF THE BALASORE MUNICIPALITY, BALASORE

# TECHNICAL BID DOCUMENTS

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H & UD DEPARTMENT  
OFFICE OF THE BALASORE MUNICIPALITY, BALASORE  
e-mail: - [balasoremunicipality@rediffmail.com](mailto:balasoremunicipality@rediffmail.com)  
Government of Odisha "e" Procurement Notice  
**Bid Identification No. BM\_03\_2026\_27**

**No: 2482**

**Dt: 06.05.2026**

1. Nature of work: - **BUILDING WORK.**
2. Number of works: - **1 No.**
3. Amount put to Tender : - **Rs.4,79,22,315.00**
4. Class of Contractor: - **"A" Class.**
5. Date & Time of availability of bid document in the portal: - **Dt. 07.05.2026 at 11.00 AM**
6. Last Date / Time of receipt of bid in the portal: - **Dt. 22.05.2026 up to 05.00 PM**
7. Date of opening of bid : - **Dt. 25.05.2026 at 11.00 AM**
8. Name & address of the Office inviting bid: - **Executive Officer, Balasore Municipality**
9. The bidders have to participate in **ONLINE** bidding only. Further details can be seen from the e-Procurement portal "[http://tendersodisha.gov.in.](http://tendersodisha.gov.in)" All future corrigendum will be available on ONLINE mode only.

**Executive Officer ,  
Balasore Municipality**

**Memo No. 2483**

**Dt. 06.05.2026**

Copy forwarded to I&PR Department, Odisha, Bhubaneswar with a request to get it published in **One National English Daily and One Oriya Daily newspaper** at an early date for wide circulation of tender call notice.

**It is to mention here that the date of sale of Bid documents begins on dt. 07.05.2026. .**  
**As such you are requested to publish the Tender Call Notice prior to this date.**

Complimentary copy of the news paper containing the tender call notice may please be sent to this office for reference and record.

Sd/-  
**Executive Officer ,  
Balasore Municipality**



**GOVERNMENT OF ODISHA**  
**OFFICE OF THE BALASORE MUNICIPALITY, BALASORE.**

**INVITATION FOR BIDS (IFB)**  
**Bid Identification No. BM\_03\_2026\_27**  
**No. 2482 Dt. 06.05.2026**

1. The Executive Officer, Balasore Municipality, Balasore on behalf of Governor of Odisha invites **Percentage rate bids** in double cover system in **online mode** for the Construction of Building works (Excluding CGST 9% & SGST 9%) as detailed in the table below, from the class of eligible Contractors as mentioned in column-8 (Eight) registered with the State Government and Other State Government Contractors of equivalent Grade/ Class registered with Central Government/ MES/ Railways for execution of civil works. The proof of registration from the appropriate authority shall be enclosed along with the Bid.
2. The Bidders may submit bids for the following work.

Sl No	Name of the Work	Approximate Value of work (In RS)	Concerned T.I.A	Concerned E.E. with Head quarter	EMD (In Rs)	Cost of tender document	Class of Contractor	Period of completion
1	2	3	4	5	6	7	8	9
01.	CONSTRUCTION OF G+2 MARKET COMPLEX AT MANDAL BAZAR IN W.N-25 UNDER BALASORE MUNICIPALITY	4,79,22,315.00	Executive Officer Balasore Municipality	Executive Engineer, Balasore Municipality	4,79,223.00	Rs.10,000.00	"A" Class Contractor	11 (Eleven) Calendar Months

3. Bid documents consisting of plans, specifications, schedule of quantities and terms and conditions of contract and other necessary documents can be seen in the website: [www.tendersodisha.gov.in](http://www.tendersodisha.gov.in).
4. Bids must be submitted with Earnest Money deposit (Bid Security) of the amount specified for the work in Column No.6 & Cost of Bid document in Column No-7 above in favour of the **Executive Officer, Balasore Municipality** in respective Division. The bidder shall make electronic payment using his/her Internet Banking enabled account with designed Banks or their aggregator Banks such as SBI/ICICI/HDFC or the bidder having account in other Bank can make payment using NEFT / RTGS facilities of designed Banks as per W.D. O.M. No. 6785 dt.09-05-2017 read with W.D. O.M. No. 17254 dt.05-12-2017.
5. The Bid documents will be available in the website: [www.tendersodisha.gov.in](http://www.tendersodisha.gov.in) from **11.00 AM** on **dt. 07.05.2026** to **05.00 PM** on **dt. 22.05.2026** for online bidding.
6. The bidder must possess compatible Digital Signature Certificate (DSC) of Class-II or Class-III.
7. Bids shall be received only on "on line" on or before **05.00 PM** on **dt. 22.05.2026**.
8. Bids received in online shall be opened at **11.00 AM** on **Dt. 25.05.2026** in the Office of the **Executive Officer, Balasore Municipality, Balasore** in the presence of the bidders who wish to attend. If the office happens to be closed on the last date of opening of the bids as specified, the bids will be opened on the next working day at the same time and venue.
09. Pre bid meeting will be held on dt. 14.05.2026 at 11.30 A.M. in the office of the Balasore Municipality.
10. Other details can be seen in the bidding documents.
11. The authority will not be held responsible for any technical snag or network failure during on-line biddings.
12. The authority reserves the right to cancel any or all bids without assigning any reason thereof.
13. Subsequent corrigendum/addendum if any will be hosted in the web site only.

Sd/-  
**Executive Officer ,**

**Memo No. 2484**

**Dt. 06.05.2026**

Copy forwarded to the Collector & District Magistrate, Balasure/ P.D DUDA, Balasure for information and wide circulation.

Sd/-  
**Executive Officer**  
**Balasure Municipality**

**Memo No. 2485**

**Dt. 06.05.2026**

Copy to the Office Notice Board for wide publication and Accountant, Balasure Municipality for information and necessary action.

Sd/-  
**Executive Officer**  
**Balasure Municipality**

**Memo No. 2486**

**Dt. 06.05.2026**

Copy forwarded to the Superintending Engineer, (R&B) Division, Balasure No-I / Balasure No-II / Superintending Engineer R.W-I, Balasure / Superintending Engineer R.W-II, Balasure / Superintending Engineer, Drainage Division, Balasure / Executive Engineer, RWSS Division, Balasure/ Superintending Engineer, P.H Division, Balasure/ Superintending Engineer, M.I Division, Balasure and Superintending Engineer, Balasure Irrigation Division, Balasure for information and wide circulation.

Sd/-  
**Executive Officer**  
**Balasure Municipality**

**CHECK LIST TO BE FILLED UP BY THE BIDDER**

Sl. No	Particulars	Reference to Clause no.	Whether furnished		Reference to Page no.
			Yes	No	
01.	Cost of tender paper <b>Rs. 10,000.00 (Online)</b>	D.T.C.N Clause No.04			
02.	E.M.D for <b>Rs.4,79,223 (Scanned copy of financial instrument shall be furnished)</b>	D.T.C.N Clause No.06 (ii) & 125(a)			
03.	<b>Additional Performance Security in case the bid price/rate is less than the estimated cost put to tender as per O.M.No.173 Dtd.03.01.2026 &amp; O.M. No.632 dtd.09.01.2026 of Works Dept., Govt. of Odisha.</b>	D.T.C.N Clause No.29 (iii)			
04.	Copy of valid Registration Certificate	D.T.C.N Clause No.09			
05.	Copy of valid GST Clearance certificate & GST Registration Certificate	D.T.C.N Clause No.09			
06.	Copy of PAN Card	D.T.C.N Clause No.09			
07.	No Relationship Certificate in Schedule – A	D.T.C.N Clause No.15			
08.	Works Experience -	D.T.C.N Clause No.16			
(A)	List of projects executed that are similar in nature to the work (Schedule-D1)	D.T.C.N Clause No.16			
(B)	Works in hand-List of projects in progress that are similar in nature to the work (Schedule-D2)	D.T.C.N Clause No.16			
(C)	List of similar nature of projects executed during last five years <b>(Schedule-H) as per prescribed format</b>	D.T.C.N Clause No.16			
09.	Information regarding current litigation, debarring / expelling of the tender or abandonment of the work by the tenderer <b>(Schedule-E)</b>	D.T.C.N Clause No.13			
(B)	Affidavit <b>(Schedule-F)</b>	D.T.C.N Clause No.13			
10.	<b>Bid Capacity – Applicable for value of work more than Rs.3.00 crore put to tender.</b> Total value of Civil Engineering construction work performed in the last five financial years with Turn Over certificate from Chartered Accountant with valid UDIN No. must be furnished. <b>Scheduled –G</b> mentioning the value of existing commitments and ongoing works must be filled up by the tenderer along with certificate of each work from Engineer(s)-in-Charge. (Not below the rank of Executive Engineer / Superintending Engineer), which is mandatory. If it is <b>NIL</b> then Nil report signed by the tenderer must be furnished.	<b>D.T.C.N Clause No.14</b>			
11.	Tools & Plants and machineries as per the requirement in Schedule-C <b>(Minimum 80% marks to be obtained).</b> (Proof of ownership of Tools & Plants and machineries are to be furnished in shape of copy of invoices / required sale deed in case of 2 <sup>nd</sup> purchase / required lease deed with ownership documents of the leaser duly attested. In case of centring & shuttering materials certificate of the Executive Engineer of Works Department within 90 days of last date of receipt of tender is allowed.	D.T.C.N Clause No.12			
	<b>List of plants and equipments</b>	<b>Requirement</b>			
(i)	<b>Concrete Mixture</b>	<b>2 Nos</b>			
(ii)	<b>Generator 33 KVA</b>	<b>1 No</b>			
(iii)	<b>Needle Vibrator</b>	<b>2 Nos</b>			
(iv)	<b>Plate Vibrator</b>	<b>2 Nos</b>			
(v)	<b>Truck / Tipper</b>	<b>2 Nos</b>			
(vi)	<b>Steel Centring &amp; shuttering materials</b>	<b>500 Sqm</b>			
(vii)	<b>Hydraulic Excavator</b>	<b>1 No</b>			
(B)	Certificate by the Executive Engineer under whom the machineries/equipments are deployed as per Annexure-III of Schedule-C	D.T.C.N Clause No.12			
(C)	Time Schedule for movement of equipments / machineries available with the tenderer from one site to work site as per Annexure-IV of Schedule-C	D.T.C.N Clause No.12			
12.	<b>The Civil Contractor in order to take part in the Composite tender should enter into an M.O.U. (Memorandum of Understanding duly notarised) for the work with eligible Registered Electrical Contractors having valid H.T./L.T./M.V. license for execution of electrical installation and other electrical works and a copy of such M.O.U. (duly registered through Notary) should be attached with the Tender as per the format at (Schedule-I)</b>	D.T.C.N Clause No.07			

**N.B:- (1) The documents uploaded for one bid or part thereof shall not be considered during evaluation of other bid and each bid shall be evaluated as per the documents uploaded for the particular bid.**

**(2) Grievance if any from the Bidders or other than the Bidders will be entertained till opening of Price Bid.**

**(3) Latest Revisions/Amendments to the Rules and Regulations/ OPWD Code/ Government Circulars/ Notifications of MoSRT & H shall be binding on the Tender/Contract.**

**OFFICE OF THE BALASORE MUNICIPALITY  
CONTRACT DATA**

**A. GENERAL INFORMATIONS**

SI No	Item	Details
1	Bid Identification No.	<b>/2026-27</b>
2	Name of the Work	<b>CONSTRUCTION OF G+2 MARKET COMPLEX AT MANDAL BAZAR IN W.N-25 UNDER BALASORE MUNICIPALITY</b>
3	Officer inviting tender	Executive Officer, Balasore Municipality
4	Accepting Authority	Executive Officer, Balasore Municipality
5	Estimated Cost	<b>Rs. 4,79,22,315.00</b>

**a) BID INFORMATION**

8	Intended completion period/Time period assigned for Completion as per clause 8 of DTCN	<b>11 (Eleven)</b> Calendar Months
9	Last Date & time of submission of Bid (Clause No. 2 of DTCN.)	<b>Time: up to 5.00 PM Date: 22.05.2026</b>
10	Cost of Bid Document (Clause No. 4 of DTCN.)	
	i To be remitted online	Rs. 10,000/-
11	Bid Security (Clause No. 6 (ii) of DTCN.)	
	i To be submitted	<b>Rs. 4,79,223.00 (Online)</b>
12	Additional Performance Security (Clause No.29 (iii) of DTCN.)	
	i Amount	<b>As specified in the Bid document</b>
	ii Pledged in favour of	Executive Officer, Balasore Municipality
	iii payable at	<b>Balasore</b>
	iv Type of instrument	As specified in the Bid document
13	Bid validity period (Clause No. 11 of DTCN.)	<b>90 days</b>
14	Minimum period of contract / agreement / lease deed of equipment and machineries as per Clause 12(iv) of DTCN.	<b>12 (Twelve) calendar months</b>
14	Currency of Contract	Indian Rupees
15	Language of Contract	English
16.	Similar Nature of work (building work) as per Clause 14 , 16 & <b>126 (h) Eligibility Criteria of DTCN</b>	<p>The bidder should have satisfactorily executed/ completed similar nature of works means construction of building works during last five financial years i.e. <b>2020-21 to 2024-25</b>. The same should be furnished as per the prescribed proforma in <b>(Schedule-H)</b> of DTCN to satisfy as follows:-</p> <ol style="list-style-type: none"> <li><b>Three similar works</b> (Same Projects) cost aggregating not less than <b>80%</b> of the estimated cost of the project. Or</li> <li><b>Two similar works</b> (Same Projects) cost aggregating not less than <b>60%</b> of the estimated cost of the project. Or</li> <li><b>One similar work</b> (Same Project) cost aggregating not less than <b>40%</b> of the estimated cost of the project.</li> </ol>

17	FORMAT AND SIGNING OF BID as per Clause no-3.17 of DTCN	<b>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, his EMD/BID Security shall stand forfeited and his registration in the portal shall be blocked and the bidder is liable to be blacklisted.</b>
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## Procedure to participate in online bidding e-procurement

1. PARTICIPATING IN THE BID IN THE E-PROCUREMENT PORTAL: The Contractor/Bidder intending to participate in the bid is required to register in the Portal using his /her active personal/ official e-mail ID as his Login ID and attach his/her valid Digital Signature Certificate (DSC) to his/her unique Login ID. The DSC used must be of appropriate class (Class II or Class III) issued from a registered Certifying Authority such as n-Code, Sify, TCS, MTNL etc. He/ She has to submit the relevant information as asked for about the firm/ contractor. The portal registration of the bidder/ firm is to be authenticated by the State Procurement Cell after verification of original valid certificates/ documents such as (i) PAN and (II) Registration Certificate (RC)/ GST Registration No. (for procurement of goods) of the concerned bidder. The time period of validity in the portal is at par with validity of RC/ GST Regd. No. Any change of information by the bidder is to be re-authenticated by the State Procurement Cell. After successful authentication bidder can participated in the online bidding process.
 

Contractor not regisertered with Government of Odisha, can participate in the e-procurement after necessary enrolement in the portal but have to subsequently register themselves with the appropriate registering authority of the Sate Government before award of the work as per prevalent registration norms of the State.

  - a. To log on to the portal the Contractor/Bidder is required to type his/her *username* and password. *The system will again ask to* select the DSC and confirm it with the password of DSC. For each login, a user's DSC will be validated against its date of validity and also against the Certificate Revocation List (CRL) of respective Cas stored in system database. The system checks the unique ID, password and DSC combination and authenticates the login process for use of portal.
  - b. The tender documents uploaded by the Tender Inviting Officer in the website <https://tendersodisha.gov.in> will appear in the section of "Upcoming Tender" before the due date of tender sale. Once the due date has arrived, the tender will move to "Active Tender" Section of the *homepage*. Only a small notification will be published in the newspaper specifying the work details along with *mention* of the specific website for details. The publication of the tender will be for specific period of time till the last date of submission of bids as mentioned in the 'Invitation for Bid' after which the same will be removed from the list of Active tenders. Any bidder can view or down load the bid documents from the web site.
  - c. Contractor exempted from payment of EMD will be able to participate in the tender directly by uploading documentary evidences towards his eligibility for such exemption.
  - d. If the *software* application has the provision of payment of cost of tender document through payment gateways of *authorized* bankers by directly debiting the account of the bidders, bidders will be required to avail on-line payment.
  - 1.1. Furnishing scanned copy of such documents is mandatory along with the tender documents otherwise, his/her bid shall be declared as non-responsive and thus liable for rejection. Bidders participating through Joint Venture shall declare the authorized signatory through Memorandum of Understanding duly registered and urie in the portal in the name and style of the joint venture company. It is mandatory that the DSC issued in the name of the authorized signatory is used in the portal.
  - 1.2. In the case of any failure, malfunction, or breakdown of the electronic system used during the e-procurement process, the tender inviting officer shall not accept any responsibility for failures or breakdowns other than in those systems strictly within their own control.
  - 1.3. Any third party/company/person under a service contract for operation of e-procurement system in the State or his/their subsidiaries or their parent companies shall be ineligible to participate in the procurement processes that are undertaken through the e-procurement system irrespective of who operates the system.
  - 1.4. For submission of Bids through the E-Procurement Portal, the bidder shall up load the scanned copy/copies of document in prescribed format wherever warranted in support of eligibility criteria and qualification information. The on line bidder shall have to produce the original documents in support of the scanned copies and statements uploaded in the portal before the specified date as per DTCN.

- 1.5. Each bidder shall submit only one bid for one package. A bid is said to be complete if accompanied by cost of bid document and appropriate bid security. The system shall consider only the last bid submitted through the E-Procurement portal.
- 1.6. The bidder may ask question related to tender online in the e-procurement portal using his/her DSC, provided the questions are raised within the period of seeking clarification as mentioned in tender call notice/Bid. The Officer inviting the Bid/ Procurement Officer-Publisher will clarify queries related to the tender.
- 1.7. The details of drawings and documents pertaining to the works available with the officer inviting the Bid as well as in the office of the Executive Engineer as mentioned in the Contract Data will be open for inspection by the bidders. The bidder is required to download all the documents for preparation of his bid. It is not necessary for the part of the Bidder to upload other Bid documents (after signing) while uploading his bid. He is required to upload documents related to his eligibility criteria and qualification information and Bill of Quantities duly filled in. It is assumed that while participating in the bid, the bidder has referred all the drawings and documents. Seeking any revision of rates or backing out of the bid claiming for not having referred to any or all documents provided in the Bid by the Officer Inviting the Bid will be construed as plea to disrupt the bidding process and in such cases the bid security shall be forfeited.
- 1.8. Any addendum / corrigendum/ cancellation of tender shall be published in the website <https://tendersodisha.gov.in> , notice board and through paper publication and such notice shall form part of the bidding documents.

1.8.1. The system generates a mail to those bidders who have already uploaded their tenders and those bidders if they wish can modify their tenders. The bidders are required to check the website till last date and time of bid submission for any addendum/ corrigendum/ cancellation thereof. Tender inviting authority is not responsible for communication failure of system-generated mail.

All the volumes/documents shall be uploaded / provided in the portal by the Officer inviting the bid. The bidder shall carefully go through the document and prepare the required documents and upload the scanned documents in Portable Document Format to the portal in the designated locations of Technical Bid. He will fill up the rates of items or percentage in the BOQ downloaded for the work in designated Cell and uploads the same in designated locations of Financial Bid. Bidders are to submit only the original BOQ uploaded by publisher after entering the relevant fields without any alteration/deletion/modification. Multiple BOQ submission shall lead to cancellation of bid. In case of item rate tender, bidders shall fill in their rates other than Zero value in the specified cells. In the percentage rate tender, the bidder quoting Zero value is valid and will be taken as Schedule of Rates. Submission of document shall be effected by using DSC of appropriate class.

2. PAYMENT OF EMD/ BID SECURITY AND COST OF BID DOCUMENTS: The Bidder shall furnish, as part of his Bid, a Bid security for the amount mentioned under NIT/Contract Data. The bidder shall scan all the written/ printed pages of the bid security and upload the same in portable document format (PDF) to the system in designated place of the technical BID. Furnishing scanned copy of such documents is mandatory otherwise, his/her bid shall be declared as non-responsive and liable for rejection. The online bidder shall deposit the original copy of the 'bid security' within the specified period mentioned in the DTCN (after receipt date of bid but before opening date & time of bid) with the "Officer inviting the Bid". The Officer inviting the bid shall not be responsible for any postal delay and/or non-receipt of the original copy of the bid security on or before specified date and time. Non-submission of bid security within the designated period shall **debar** the bidder from participating in the on-line bidding system and his portal registration shall be cancelled. His name shall also be informed to the registering authority for cancellation of his registration.

2.1 The EMD or Bid Security payable along with the bid is 1% of the estimated contract value (ECV) or as mentioned in the bid document. The validity period of the EMD or Bid Security shall be as mentioned in the bid documents. Any bid not accompanied by an acceptable Bid Security and not secured as indicated in the bid document shall be rejected as non-responsive. The bid security shall be retained till such time the successful bidder furnishes Initial Security Deposit (ISD) or performance Security acceptable to the officer inviting the Bid. Failure of the successful Bidder to comply with the requirements shall constitute sufficient grounds for cancellation of the award and forfeiture of the Bid Security. The Bid Security in the form of FD/ BG shall be from a Nationalized Bank valid for a period of 45 days beyond the validity of the bid. Bid security in other form is acceptable if the bid documents provide for it.

2.2 The fixed Deposit / Bank Guarantee or any other form as mentioned in detailed tender call notice in respect of Earnest Money Deposit/ Bid Security and the Bank Draft in respect of cost of Bid are to be scanned and uploaded in portable document format (PDF) along with the bid.

2.3 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 (price bid). 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.

2.4 Contractor exempted from payment of EMD will be able to participate in the tender directly by uploading documentary evidences towards his eligibility for such exemption.

2.5 Government of Odisha has been actively considering integrating e-payment gateway in to the portal for payment of cost of Bid and Bid Security/ Earnest Money Deposit. The process of using e-payment gateway shall be issued separately after it is established.

3. **FORMAT AND SIGNING OF BID:** (Logging to the Portal)-The Contractor/ Bidder is required to type his/her Login ID and Password. The system will again ask to select the DSC and confirm it with the password of DSC as a second stage authentication. For each login, a user's DSC will be validated against its date of validity and also against the Certificate Revocation List (CRL) of respective Cas stored in system database. The system checks the unique Login ID, Password and DSC combination and authenticates the login process for use of portal.

The bidder can download the tender of his choice and save it in his system and undertake the necessary preparatory work off-line and upload the completed tender at his convenience within the final date and time of submission. The bidder shall only submit single copy of the required documents and Price Bid in the portal. In the Financial bid, the bidder can not leave any figure blank. He has to only write the figures, the words will be self-generated. The Bidders are advised to up load the completed Bid document well ahead of the last date & time of receipt to avoid any last moment problem of power failures etc.

3.1. The Bidder shall go through the Bid carefully and list the documents those are asked for submission. He shall prepare all documents including cost of Bid Document, Bid Security, Declaration form, price bid etc and store in the system.

3.2. The bidder shall log on to the portal with his DSC and move to the desired tender for up loading the documents in appropriate place one by one simultaneously checking the documents. Once the Bidder makes sure that all the documents have been up-loaded in appropriate place he clicks the submit button to submit the bid to the portal.

3.2.1. The bids once submitted can not be retrieved or corrected. Tender cannot be pre-opened and cannot be submitted after due date and time. Therefore only after satisfying that all the documents have been uploaded, the Bidder should activate submit button.

3.2.2. In the e-procurement process each processes are time stamped. The system can identify each individual who has entered in to the portal for any bid and the time of entering in to the portal.

3.2.3. The Bidder should ensure clarity of the document up loaded by him to the portal especially the scanned documents by taking out sample printing. Non-submission of legible documents may render the bid non-responsive. However, the Officer inviting the Bid if so desires can ask for legible copies or original copies for verification with in a stipulated period provided such document in no way alters the Bidder's price bid. If the Bidder fails to submit the original documents with in the stipulated date, his bid security shall be forfeited.

#### **SUBMISSION OF BIDS:-**

3.3. 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 consist of cost of Bid documents, EMD/ Bid Security, GST Clearance certificate, GSTIN, PAN, Registration Certificate, Affidavits, Profit Loss statement, Joint venture agreement, List of similar nature of works, work in hand, list of machineries and any other information required by OIT. The Financial Bid shall consist of the Bill of Quantities (BOQ) and any other price related information/ undertaking including rebates.

3.4. Bidders are to submit only the original BOQ ( in .xls format) uploaded by Procurement Officer Publisher (Officer Inviting Tender) after entering the relevant fields without any alteration/ deletion/ modification. Multiple BOQ submission by bidder shall lead to cancellation of bid. In case of items rate tender, bidders shall fill in their rates other than zero value in the specified cells without keeping it blank. 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.

3.5. 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.

3.6. 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 place only in case of percentage rate tender.

3.7. 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.

3.8. Bids cannot be submitted after due date and time. The bids once submitted can not 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 can not be opened even by the OIT or the Procurement Officer Publisher/ opener before the due date and time of opening.

3.9. Each process in the e-procurement is time stamped and the system can defect the time of log in of each user including the Bidder.

3.10. The Bidder should ensure clarity/ legibility of the document uploaded by him to the portal.

3.11. The system shall require all the mandatory forms and fields filled up by the contractor during the process of submission of the bid/ tender.

- 3.12. The bidder should check the system generated confirmation statement on the status of the submission.
- 3.13. The bidder should upload sufficiently ahead of the bid closure time to avoid traffic rush and failure in the network.
- 3.14. The Tender Inviting Officer is not responsible for any failure, malfunction or breakdown of the electronic system used during the e-procurement process.
- 3.15. 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 Officer Inviting the Bid.
- 3.16. 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.
- 3.17. **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, his EMD/BID Security shall stand forfeited and his registration in the portal shall be blocked and the bidder is liable to be blacklisted.**

#### 4. SECURITY OF BID SUBMISSION:

- 4.1. All bid data uploaded by the Bidder to the portal will be encrypted by the DSC of the opener(s). The system shall require all the mandatory forms and fields filled up by the contractor during the process of submission of the bid/tender.
- 4.2. The Bid shall be received in encrypted format by the system which can only be decrypted / opened by the authorized openers only on or after the due date and time.

#### 5. DEADLINE FOR SUBMISSION OF THE BIDS :

- 5.1. The online bidding will remain active till the last date and time of the bid submission. Once the date and time (Server date and time) is over, the bidder will not be able to submit the bid. The date & 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.

#### RESUBMISSION AND WITHDRAWAL OF BIDS :

- 5.2. Resubmission of bid by the Bidders for any number of times before the final date and time of submission is allowed.
- 5.3. Resubmission of bid shall require uploading of all documents including price bid afresh.
- 5.4. 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.

#### 6. LATE BIDS :

- 6.1. The system shall reject submission of any bid through portal after closure of the receipt time. For all purpose the server time displayed in the e-procurement portal shall be the time to be followed by the bidder and concerned officers.

#### 7. MODIFICATION AND WITHDRAWAL OF BIDS :

- 7.1. In the E-Procurement Portal, it is allowed to modify the bid any number of times before the final date and time of submission. The bidder shall have to log on to the system and resubmit the documents as asked for by the system including the price bid. In doing so, the bids already submitted by the bidder will be removed automatically from the system and the latest bid only will be admitted. But the bidder should avoid modification of bid at the last moment to avoid system failure or malfunction of internet or traffic jam or power failure. If the bidder fails to submit his modified bids within the designated time of receipt, the bid already in the system shall be taken for evaluation.
- 7.2. In the E-Procurement Portal, withdrawal of bid is allowed. But in such case he has to write a letter with appropriate reasons for his withdrawal addressed to the Officer inviting the bid and upload the scanned document to portal in the respective bid before the closure date and time of receipt of the bid. The system shall not allow any withdrawal after expiry of the closure time of the bid.

#### 8. OPENING OF THE BID:

- 8.1. Bid opening date is specified during tender creation or can be extended with corrigendum. This date is available in IFB, tender document as well as the home page of portal. Bid opening can be done by the authorized users, which are defined during the tender publication / approval stage. The bids are encrypted using their public keys and can be decrypted only on or after the Bid Opening due date and time. The bid openers private key will be required to open the bids and all the openers have to log on to the portal during that time.
  - 8.1.1. The bidders who participated in the on line bidding can witness opening of the bid from any system logging on to the portal with the DSC away from opening place. Contractors are not required to be present during the bid opening at the opening location if they so desire.
  - 8.1.2. Each activity is date and time stamped with user details. For time stamping, server time is taken as the reference.
- 8.2. In the event of the specified date of bid opening being declared a holiday for the Officer inviting the

Bid/Engineer-in-Charge, the bids will be opened at the appointed time on the next working day.

- 8.3. In case bids are invited for more than one package, the order for opening of the "Bid" shall be that in which they appear in the "Invitation for Bid".
- 8.4. During bid opening, the covers containing original financial instruments towards Cost of bid and Bid Security in the form specified in the DTCN, received after last date of receipt of bid and before opening of the bids shall be opened and declared.
  - 8.4.1. Combined bid security for more than one work is not acceptable.
  - 8.4.2. The Bid openers; who have been pre-defined shall log on to the portal with their respective DSC. Unless all the Officers who have been declared as Opening officers, log on the portal with their DSC the Tender can not be opened.
- 8.5. In case of non-responsive tender the officer Inviting tender should complete the e-Procurement process by uploading the official letter for cancellation/ re-tender.
  - 8.5.1. The Opening Officers will systematically check the scanned demand draft towards cost of the bid document and the scanned document of Bid security with that of the original submitted. If found in order, they will continue opening of all other documents in the system provided under Technical Bid.
  - 8.5.2. Subject to confirmation of the bid security by the issuing institutions, the bids accompanied with appropriate bid cost and valid bid security will be taken up for evaluation with respect to the qualification Information and other information furnished.

#### EVALUATION OF BIDS :-

- 8.5.2(A) 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..... nos. Of pages".
- 8.5.3. After receipt of confirmation of the bid security, the bidder may be asked in writing / online (in their registered e-mail ID) to clarify on the uploaded documents provided in the Technical Bid, if necessary, with respect to any doubts or illegible documents required for Technical Evaluation. 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 bidders 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.
- 8.5.4. 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
- 8.5.5. Immediately, on receipt of these clarifications, the Evaluating Officers; predefined in the system for the bid, will finalize the list of responsive bidders. They will log on to the site with their DSC and record their comments on the Technical evaluation page in the system. The Officer Inviting the Bid if also the accepting authority, shall log on to the system with his digital signature and check the technical evaluation. He can either accept or pass on to the evaluating officers for re-evaluation. Upon acceptance of technical evaluation by the Accepting authority in the system, the system shall automatically generate letter to all the responsive bidders and the system shall forward the letter to all the responsive bidder that their technical bid has been evaluated responsive with respect to the data/information furnished by him and the letter shall also intimate him the date & time of opening of financial bid. The system shall also inform the non-responsive bidders in their e-mail ID that their bid has been found non-responsive.
- 8.6. The Technical evaluation of all the bids shall be carried out up as per the information furnished by the Bidders. But evaluation of the bid does not exonerate the bidders from checking their original documents and if at a later date the bidder is found to have misled the evaluation through wrong information, action as per relevant clause of DTCN shall be taken against the bidder/contractor.
- 8.7 The Procurement officer-Evaluators will evaluate bid and finalized list of responsive bidders. Opening of price bid and evaluation of lowest bidder is subject to satisfaction of other qualification information.
  - 8.7.1 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.
  - 8.7.2 The Financial Bid will be opened on the notified date & time in the presence of bidders or their authorised representative who wish to be present.
  - 8.7.3 At the time of opening of "Financial Bid", the names of the bidders whose technical bids were found responsive will be announced and the bids of only those bidders will be opened. The remaining bids will be rejected.
  - 8.7.4 The responsive bidders' name, the bid prices, the item wise rates, the total amount of each item in case the item rate tender and percentage above or less in case of percentage rate tenders will be announced. Any discounts and withdrawals, and such other details as the officer inviting the tender may consider appropriate, will be announced by him or his authorized representatives at the time of opening.
  - 8.7.5 Rebate/discount offer if any uploaded to the system shall be declared and recorded first.
  - 8.7.6 The Financial bid of the bidders shall be opened one by one by the designated officers. The system shall auto-generate the Comparative statement.
  - 8.7.7 The 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.
- 8.7.8 Procurement Officer-Openers shall sign on each page of the download BOQ and the Comparative Statement and furnish a certificate to that respect.
- 8.7.9 System provides an option to Procurement Officer Publisher for reconsidering the rejected bid with the approval of concern Chief Engineer/ Head of Department.
9. CLARIFICATION AND NEGOTIATION OF BIDS:
- 9.1. 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 breakdowns of unit rates.
- 9.2. On opening of the price bid the system shall arrange the financial bids in order of their value (L1 first, followed by L2, L3 ....) for subsequent evaluation. The evaluation status (Sheet) will be visible to all the participating bidders after opening on their respective logins. Each activity is recorded in the system with date and time stamping.
10. NOTIFICATION OF AWARD AND SIGNING OF AGREEMENT:
- 10.1. In the E-Procurement Portal, the system shall generate the template of award letter and the Officer Inviting the Bid shall mention the amount of Performance Security and additional security required to be furnished in the letter and intimate the bidders in his e-mail ID.
- 10.2. The Employer/ Engineer-in-Charge shall notify acceptance of the work prior to expiry of the validity period by cable, telex or facsimile or e-mail confirmed by registered letter. This letter of Acceptance will state the sum that the Engineer-in-Charge will pay the contractor in consideration of execution and completion of the works by the contractor as prescribed by the contract and the amount of performance security and Additional Performance Security required to be furnished. The issue of the letter of Acceptance shall be treated as closure of the Bid process and commencement of the contract.
- 10.3. The Contractor after furnishing the required acceptable Performance Security and Additional Performance Security, "Letter of Proceed" or "Work Order" shall be issued by the Engineer-in-Charge with copy thereof to the Procurement Officer-Publisher. The Procurement Officer-Publisher shall upload the summary and declare the process as complete.
- 10.4. If the L1 bidder does not turn up for agreement after finalisation of the tender then he shall be debarred from participation in bidding for three years and action will be taken to blacklist the contractor. Besides the consortium/ JV/firm where such an agency/ firm already happens to be or is going to be a partner/ member/ proprietor, he/ they shall neither be allowed for participation in bidding for three years nor his/ their application will be considered for registration and action will be initiated to blacklist him/ them. In that case, the L2 bidder, if fulfils other required criteria would be called for drawing agreement for execution of work subject to condition that the L2 bidder negotiates at par with the quoted by the L1 bidder, otherwise the tender will be cancelled.
11. BLOCKING OF PORTAL REGISTRATION
- 1.1 If the registration Certificate of the contractor is cancelled/ suspended by the registering authority/ blacklisted by the competent authority his portal registration shall be blocked automatically on receipt of information to that effect.
- 1.2 The portal registration blocked in the ground mentioned in the above Para- 11.1 shall be unblocked automatically in receipt of revocation order of cancellation/ suspension/ blacklisting from the concerned authority.
- 1.3 The Officer Inviting Tender shall make due inquiry and issue show cause notice to the concerned contractor who in turn shall furnish his reply, if any, within a fortnight from the date of issue of show cause notice. Thereafter the Officer Inviting Tender is required to issue an intimation to the defaulting bidder about his unsatisfactory reply and recommend to the Chief Manager (Tech) for blocking of portal registration within 10 days of intimation to the defaulting bidder regarding his unsatisfactory reply with intimation to the Registering Authority and concerned Chief Engineer/ Heads of Office if any of the following provisions are violated.
- 1.3.1 Fails to furnish original Technical/ Financial (Tender Paper Cost, EMD/Bid Security) instruments before the designated officer within the stipulated date and time.
- 1.3.2 Backs out from the bid on any day after the last date of receipt of tender till expiry of the bid validity period (including till the extended bid validity period)
- 1.3.3 Fails to execute the agreement within the stipulated date.
- 1.3.4 If any of the information furnished by the bidder is found to be false/ fabricated/ bogus. Accordingly the officer Inviting Tender shall recommended to the Chief Manager (Tech) State Procurement Cell, Odisha for blocking of portal registration of bidder and simultaneously action shall also be initiated by OFFICER INVITING TENDER for blacklisting as per Appendix-XXXIV of OPWD code Volume-II.

**DETAILED TENDER CALL NOTICE**  
**FOR CONSTRUCTION OF BUILDING**

1. Sealed **percentage rate** bids are invited on **Online in double cover system** from **“A” Class** contractors registered with the State Governments and contractors of equivalent Grade / class registered with Central Government / MES / Railways for execution of civil works on production of definite proof from the appropriate authority in prescribed form to be eventually drawn in P.W.D. **FORM P-1** for the work **“CONSTRUCTION OF G+2 MARKET COMPLEX AT MANDAL BAZAR IN W.N-25 UNDER BALASORE MUNICIPALITY”** at an estimated cost of **Rs. 4,79,22,315.00 (Rupees Four Crore Seventy Nine Lakh Twenty Two Thousand Three Hundred Fifteen)** only. The adopted format for percentage rate is same as that of the form adopted for **item rate** tenders but the word **“Item rate”** shall be replaced by **“Percentage rate”** and the contract will be named as **P-1. Bids from Joint Venture are allowed.**
2. The Bid documents are available from official website of Government: <https://tendersodisha.gov.in> from **11:00 AM on dt. 07.05.2026 to 05:00 PM on dt. 22.05.2026** for online bidding. **The last date and time of submission of Bid is as per contract data.**
3. The Technical Bid documents (Cover-I) will be opened by the assigned officer in the office of the Balasore Municipality, Balasore at **11:00 AM on Dt. 25.05.2026** in the presence of the bidders or their authorized representatives who wish to attend.
4. The bidder shall make electronic payment using his/her Internet Banking enabled account with designated Banks or their aggregator Banks such as SBI / ICICI / HDFC or the bidder having account in other bank can make payment using NEFT / RTGS facilities of designated Banks as per Works Department, Odisha O.M. No. 6785 dt.09-05-2017 read with W.D. O.M. No. 17254 dt.05-12-2017 towards **cost of Bid documents for Rs. 10,000.00** as specified in the Contract Data. The electronic payment shall be made on or before the last date of receipt along with the Bid.
5. The bid is to be submitted in two covers.
  - i) **Cover-I** is to contain scanned EMD, Cost of bid document, scanned copy of registration certificate, PAN card, valid GST Registration Number, undertaking/certificates duly filled, affidavit, work experience certificate and documents required as per the relevant clauses of this DTCN.
  - ii) **Cover-II** is to contain the price bid duly filled in by the bidder.
6. The bidder shall make electronic payment using his/her Internet Banking enabled account with designated Banks or their aggregator Banks such as SBI / ICICI / HDFC or the bidder having account in other bank can make payment using NEFT / RTGS facilities of designated Banks as per W.D. O.M. No. 6785 dt.09-05-2017 read with W.D. O.M. No. 17254 dt.05-12-2017 towards **Bid security** of the amount as specified in the **Contract Data**. Bid not accompanied with EMD as specified above **shall be liable for rejection.**  
**(NB:- Refer to Works Department Odisha O.M. No. 14468 dated 20.09.2018)**
7. The contractors registered with State Government and contractors of equivalent Grade / class registered with Central Government / MES / Railways having registration for Civil, and Electrical works having both legal competency and expertise in Civil and Electrical Engineering works need put tenders for this composite work and the documentary evidence under appropriate Act in support of their legal competency and expertise to execute Civil and Electrical invariably should accompany their tender papers. **The Civil Contractor in order to take part in the Composite tender should enter into an M.O.U. (Memorandum of Understanding duly notarised) for the work with eligible Registered Electrical Contractors having valid H.T./L.T. / M.V. license issued by Govt. Of Odisha for execution of electrical installation or Owned Valid Registration in H.T. / L.T. / M.V. Electrical License issued by Govt. Of Odisha with the same name and style or for contractors having license issued by other State Licensing Board should submit an endorsement as per Clause -27B of “Electrical License Board Regulation, Odisha, 2014” in and other electrical works and a copy of such M.O.U. (duly registered through Notary) should be attached with the Tender as per the format at Schedule- I and this shall also form a part of the tender. A copy of the electrical license along with pan card should also be enclosed with the bid documents, the original of which need to be furnished during verification. The above M.O.U. is not required in case the Civil Contractor is having valid registration in H.T. /L.T./ M.V. Electrical license with the same name and style.** The tender papers shall bear signature of authorised person of the tenderer, the letter of authorisation should accompany tender papers. The authorisation should clearly indicate the name of legal person to sign and enter in to agreement and receiving payment and will be responsible for all contractual obligations for execution of work for Civil, P.H. and Electrical Items of work to the Engineer-in-Charge.
8. (i) The contract will be drawn in P.W.D. **P-1** contract form and will constitute three parts as follows.
  - a. Part – I : For Civil items of works
  - b. Part – II : For PH items of works
  - c. Part – III : For Electrical items of works

The contract shall be drawn & signed by **Executive Officer, Balasore Municipality, Balasore** on behalf of the Governor of Odisha.

(ii) The Civil items of works as per Part-I of Schedule of quantities & Electrical items of works (both internal & external) as per part-II of Schedules of quantities and P.H. items of works (both internal & external) as per Part-III of the Scheduled of quantities of the Agreement shall be supervised, measured and check measured by the **Municipal Engineer, Balasore Municipality, Balasore (both Civil & E.I.)**. In the interest of expeditious execution of work payment of interim bills (Running A/c bills) shall be made by the Municipal Engineer, Balasore Municipality in respect of Public Health works and nil final bill shall be sent to the concerned **Municipal Engineer, Balasore Municipality** for final adjustment and compilation of accounts. The contractor shall be bound to receive and act as well according to the direction of the Engineer-in-Charge for General Electrical / General Public Health Authority concerned.

9. The lowest preferred bidder is required to produce documents viz original Registration, valid GST clearance certificate, GST Registration Number, PAN card after opening of Technical Bid for verification purpose in the latter stage along with the original documents relating to ownership and hiring of plants and machineries mentioned at Annexure-I of Schedule-C, within five days from the date of opening of the tender (price bid). Furnishing scanned copy of such documents along with the Technical Bid is mandatory otherwise his/ her bid shall be declared as non responsive and thus liable for rejection.
10. The work is to be completed in all respects within the **time period** as specified in the **Contract Data**. Bidders whose bid is accepted must submit a work programme at the time of execution of Agreement.
11. All **bids** received will remain **valid** for a period as specified in the **Contract Data** after the deadline date for submission of bids and validity of bids can also be extended if agreed to by the bidder and the Department.
12. (i) The Contractors are required to furnish evidence of ownership of principal machineries/equipments in **Schedule-C** as per **Annexure-I for which contractor shall have to secure minimum 80% of marks failing which the tender shall be liable for rejection.**  
(ii) In case the contractor executing several works he is required to furnish a time schedule for movement of equipment/machinery from one site to work site of the tendered work in **Annexure-IV of Schedule-C**.  
(iii) The contractor shall furnish ownership documents for those machineries which he is planning to deploy for the tendered work if these are not engaged and produce certificate from the Executive Engineer as per **Annexure – III of Schedule-C** under whom these are deployed at the time of tendering as to the period by which these machines are likely to be released from the present contract. Certificate from the Executive Engineer of Government of Odisha or Engineer-in-Charge of the project (in case of non-Government projects) under whose jurisdiction the work is going on, shall not be more than 90 days old on the last date of receipt of tender  
(iv) In case the contractor proposes to engage machineries and equipments as asked for in the tender document, owned or hired but deployed outside the State, he/she is required to furnish additional 1% EMD /Bid Security. The entire bid security including the additional bid security shall stand forfeited in case the contractor fails to mobilize the machineries within a period as to be able to execute an item of work as per original programme which will be part of the agreement.  
(v) The contractor intending to hire/lease equipments/machineries are required to furnish proof of ownership from the company/person providing equipments/machineries on hire/lease along with contracts/ agreements/lease deed and duration of such contract. The contracts/agreements/lease deed should be on long term basis for a minimum period of **as mentioned in contract data** from the last date of receipt of Bid documents.
13. An applicant or any of its constituent partners of whose contract for any work has been rescinded or who has abandoned any work in the last five years, prior to the date of the bid, shall be debarred from qualification. The bidder is to furnish scanned copy an **affidavit** at the time of submission of bid about the authentication of bid documents including Bank guarantee. An **affidavit** to this effect is to be furnished in **Schedule-F** in the DTCN prescribed format. **Non furnishing** of the scanned copy of information in **Schedule – E** in the DTCN prescribed format and required affidavit in **Schedule- F** in the DTCN prescribed format, the bid document will be **summararily rejected**.
14. The bidder should have furnished the experience of similar nature of work (building work) as per eligibility criteria of DTCN clause -126 (f)

**Bid Capacity – Applicable for value of work more than Rs.3.00 crore put to tender**

(Vide Works Department Office Memorandum No.6300 dtd.16.6.2011)

Applicants who meet the minimum qualification criteria will be qualified only if their available bid capacity at the expected time of bidding is more than the total estimated cost of the works. The available bid capacity will be calculated as under.

Assessed Available Bid Capacity= (A\*N\*2-B), where

A= Maximum value of works executed in any one year during the last five years (updated to the current price level)rate of inflation may be taken as 10 per cent per year(escalation factor) which will take into account the completed as well as works in progress,

B= Value at current price level of the existing commitments and ongoing works to be completed during the **next year** (period of completion of works for which bids are invited); and

N= Number of years prescribed for completion of the works for which the bids are invited. **(For work completion period less than one year the value may be taken as one year).**

**Note: In case of a Joint Venture the available bid capacity will be applied for each partner to the extent of his proposed participation in the execution of the works.**

**(Schedule-G)** The report showing the value of existing commitments and ongoing works for each of the works should be filled up by the tenderer and certificate(s) of each work should be from the Engineer-in-Charge(s) not below the rank of Executive Engineer/Superintending Engineer, which is mandatory. If it is **NIL**, then Nil report signed by the tenderer must be furnished in this regard failing which the **bid is liable for rejection** as mentioned in Check list.

**Escalation factor**

**Following enhancement factors will be used for the costs of works executed and the financial figures to a common base value for works completed in India.**

<u>Year before</u>	<u>Multiplying factor</u>
One	1.10
Two	1.21
Three	1.33
Four	1.46
Five	1.61

(Applicant should indicate actual figures of costs and amounts for the work executed by them without accounting for the above-mentioned factors)

In case the financial figures and value of completed works are in foreign currency, the above-enhanced multiplying factors will not be applied. Instead current market exchange rate (State Bank of India B.C. selling rate as on the last date of submission of the bid) will be applied for the purpose of conversion of amount in foreign currency into Indian rupees.

The information on Bid Capacity as on the date of this bid is to be furnished as per the format in **Schedule –G**.

**Total value of Civil Engineering construction work performed in the last five years is to be furnished for which Turn Over certificate from Chartered Accountant with valid UDIN No. is to be furnished.**

2020-2021-----  
2021-2022-----  
2022-2023-----  
2023-2024-----  
2024-2025-----

**Base year shall be taken as 2025-2026.**

**15. No Relation certificate.**

The contractor shall furnish a certificate along with the tender to the effect that he is not related to any officer in the rank of an Assistant Engineer & above in the state P.W.D. or Assistant/Under Secretary & above in the Works Department. If the fact subsequently proved to be false, the contract is liable to be rescinded. The earnest money & the total security will be forfeited & he shall be liable to make good the loss or damages resulting for such cancellations. The proforma for no relationship certificate is contained in a separate sheet vide Schedule-A.

**16. (i) Each bidder is to submit along with bid a note regarding his experience on construction of building Works.**

a) Name of the building: -

b) Estimated cost: -

c) Total area of the building: -

d) **Major Items of work:** -

e) Quantity of items:-

i) As per Agreement: -

ii) As per execution: -

f) Date of Commencement:-

g) Stipulated date of Completion: -

h) Actual date of completion: -

i) Other details if any. : -

1) The prospective applicant in its name should furnish list of similar nature of work (building work) satisfactorily completed in Schedule-D1 and list of works in progress in Schedule-D2.

2) The bidder should qualify the Criteria of Similar nature of work (building work) as per prescribed proforma in **Schedule-H**, mentioned in Contract Data failing which the **bid is liable for rejection**.

17. If an individual makes the application, the individual should sign above his full type written name and current address.

18. If the application is made by proprietary firm, it shall be signed (with DSC) by the proprietor & furnish full type written name and the full name of his firm with its current address in a forwarding letter.

19. If the application is made by a firm in partnership, it shall be signed (with DSC) by a partner holding power of attorney for the firm in which case a certified copy of the power of attorney shall accompany the application. A certified copy of the partnership deed and current address of all partners of the firm shall also accompany the application.

20. If the application is made by a limited company or a corporation, it shall be signed (with DSC) by a duly authorized person holding power of attorney for signing the application in which case a certified copy of the power of attorney shall accompany the application. Such limited company or corporation will be required to furnish satisfactory evidence of its existence along with the technical bid.

21. The tender should be strictly in accordance with the provisions as mentioned in the tender schedule. Any change in the wordings will not be accepted.

22. No bidder will be permitted to furnish their bid in their own manuscript papers. All information should be submitted online in English.

23. Submission of more than one tender by a bidder for a particular work will liable for rejection of all such tender papers.

**Percentage rate contract (vide Works Department letter no.8310 dt.17.05.2006)**

**In case of Percentage Rate tender, :-**

- i. 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 rate of item basing on which estimated cost has been derived are excluding GST on different components to arrive at such rates.
- ii. The Contractors participated in the tender for more than one work may offer conditional rebate. Rebate offer submitted in a separate letter duly scanned shall be opened, declared and recorded first. The rebate so offered shall be considered after opening of all packages called in the same Tender Notice. The Contractors who wish to tender for two or more works shall submit separate tender for each. Each tender shall have the **Bid Identification No., Name & Sl. No. Of the work (as per IFB)** to which they refer.
- iii. The Contractor will quote percentage excess/less up to two decimal points 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.).
- iv. In the contract, P-1 time is the essence. The contractor is required to maintain a certain rate of progress specified in the contract.
- v. The quantity mentioned can be increased or reduced to the extent of 10% for individual items subject to a maximum of 5% over the estimated cost. If it exceeds the limit stated above prior approval of competent authority is mandatory before making any payment.
- vi. The period of completion is fixed and cannot be altered except in case of exceptional circumstances with due approval of next higher authority.
- vii. Bills for percentage rate tenders shall be prepared at the estimated rates for individual items only and the percentage excess or less shall be added or subtracted from the gross amount of the bill
24. The bidder shall carefully study the tentative drawings and specifications applicable to the contract and all the documents which will form a part of the agreement to be entered in to by the accepted bidder and detailed specifications for Odisha and other relevant specifications and drawings. Complain at a future date that plans and specifications have not been seen by the bidders cannot be entertained.
25. The drawings if any furnished with the bid are tentative and subject to revision or modification as tendered during the execution as per actual necessity and detail test conducted. But the tendered rate quoted by the bidder will hold good in case of such modification of drawings during the time of execution and shall in no way invalidate the contract and no extra monetary compensation will be entertained. The work shall however be executed as per final approved drawing to be issued by the Engineer-in-Charge as and when required.
26. (i) Every bidder is expected before quoting his rate to inspect the site of the proposed work. The bidder should also inspect the quarries and approach roads to quarries and satisfy himself/themselves about the quality and availability of materials. In every case the materials must comply with the relevant specifications. Complaints at future date that the availability of materials at quarries has been misjudged can not be entertained.  
(ii) **Amendment to Para 3.4.16 (a) (vii) of OPWD Code Vol.-I by substitution.**  
For the purpose of estimate, the approved quarry lead is to be provided judiciously. Engineers in charge would be responsible for ensuring the quality of the materials supplied. The contractors would, however, be responsible for procurement of materials from authorized sources and voluntarily disclose the source of procurement for the purpose of billing. Besides, the bidder would be required to submit the details of quarry for procurement while submitting the bids.
27. The offer of bidder shall be inclusive of cost of construction and maintenance of island, ferry service, fair-weather road, service road, foot bridge, pylon base, winch stand and derrick stand etc. as required for the work.
28. It must be definitely understood that the Government does not accept any responsibility for the correctness and completeness of the trial borings shown in the Cross Section.
29. **Performance Security / Additional Performance Security :**  
(i) . **Additional Performance Security is applicable as per O.M.No.173/W dt.03.01.2026.**

**(ii)Additional performance Security:**

Additional Performance Security shall be obtained from the bidder, when the bid amount is less than the estimated cost put to tender. In such an event, only the successful bidder who has quoted less bid price / rates than the estimated cost put to tender shall have to furnish the exact amount of differential cost i.e. estimated cost put to tender minus the quoted amount as **Additional Performance Security(APS)** in shape of **Term Deposit Receipt** pledged in favour of Executive Officer,Balsore Municipality/ Bank Guarantee in favour of the Executive Officer,Balsore Municipality from any Nationalized / Scheduled Bank in India counter guaranteed by its local branch at **Balasore** within seven days of issue of letter of acceptance (LOA) by the Divisional officer (by e-mail) to the successful bidder, otherwise the bid of the successful bidder shall be cancelled and the earnest money Deposit / Bid security shall be forfeited. Further proceeding for blacklisting shall be initiated against bidder (As amended vide O.M. No.14459 dt.20.09.2018 of Works Deptt. Govt. of Odisha **has been modified with O.M. No.173 Dt.03.01.2026 & O.M. No.632 dtd.09.01.2026 of Works Dept., Govt. of Odisha).**

If the contractor fails to complete the work , the amount so furnished as additional performance security will be forfeited in addition to the other penal clauses, if any to be imposed.

(Amendment to Para – 3.5.5(V) Note-II of OPWD Code Vol-I by substitution of O.M. No. 14299 dt.03.10.2017 in place of O.M. No. 5288 dt.04.05.2016 **has been modified with O.M. No.173 Dt.03.01.2026 & O.M. No.632 dtd.09.01.2026 of Works Dept., Govt. of Odisha).**

**Amended vide O.M. No.173 Dt.03.01.2026 of Works Dept., Govt. of Odisha to fix the following rate of Additional Performance Security (APS).**

SI No.	Range of difference between the estimated cost put Tender & Bid Amount	Additional performance security to deposited by the successful bidder.
i.	Below 10.00%	No. Additional Performance Security
ii.	From 10.00% and above & Below 20.00%	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:
iii.	From 20% and above	The additional performance guarantee 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. The Additional Performance Guarantee/ Security shall be treated as part of the performance security.
iv		The additional performance guarantee percentage shall be rounded off to 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.
v		The additional performance security shall be treated as part of the performance security.
vi		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 clarifications 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. However, it would not be advisable to fix a normative percentage below the estimated cost, which would automatically be considered as an abnormally low bid.

**(NB:- Refer to Works Department Odisha O.M. No. 173 dated.03.01.2026)**

30. 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.
31. The tender containing extraneous conditions not covered by the tender notice are liable for rejection and quotations should be strictly in accordance with the tender call notice. Any change in the wording will not be accepted.
32. i) Schedule of quantities are accompanied in Cover-II (Price Bid). It shall be definitely understood that the Government does not accept any responsibility for the correctness or completeness of this schedule and that this schedule is liable for alternation or omissions, deductions or alternations set forth in the conditions of the Contract and such omissions, deductions, additions or alternations shall no way invalidate the contract and no extra monetary compensation, will be entertained.
- ii) The quantity mentioned can be increased or decreased to the extent of 10% for individual items subject to a maximum of 5% over the estimated cost. If it exceeds the limit stated above, prior approval of competent authority is mandatory before making any payment.

33. The authority reserves the right to reject any or all the tenders received without assigning any reasons there-of what so ever.
34. The bid security (earnest money) will be retained and dealt with as per the terms and conditions of the OPWD Code.
35. i) The bidder/tenderer whose bid has been accepted will be notified of the award by the Executive Officer prior to expiration of the validity period by cable, telex or facsimile confirmed by registered letter. This letter (hereinafter and in the conditions of Contract called the "Letter of Acceptance") will state the sum that the Executive Officer will pay the contractor in consideration of the execution, completion and maintenance of the Works by the contractor as prescribed by the contract (Hereinafter and in the contract called the "Contract Price").
- ii) The notification of award will constitute the formation of the contract, subject only to the furnishing of a performance security (Initial Security Deposit) in form of Fixed deposit receipt of Schedule Bank / Kissan Vikash Patra / Post Office Savings Bank Account/National Savings Certificate/Postal Office Time Deposit Account and additional performance security as per Clause 30 of DTCN duly pledged in favour of the Executive Officer **and payable at** the place as specified in the **Contract Data** and in no other form which including the amount already deposited as bid security (earnest money) shall be 2% of the value of the tendered amount (excluding 1% deposited towards hiring of equipments/machineries from out side the State if any) and sign the agreement in the **PWD Form P-1** for the fulfilment of the contract in the office of the Executive Officer **and payable at** the place as specified in the **Contract Data** or as directed. The security deposit together with the earnest money and the amount withheld according to the provision of P1 agreement shall be retained as security for the due fulfilment of this contract and additional performance security in accordance with the provisions of the agreement.
- iii) The agreement will incorporate all correspondence between the officer inviting the bid/ Executive Officer and the successful bidder. Within 15 days following the notification of award along with the Letter of Acceptance, the successful bidder will sign the agreement and deliver it to the Executive Officer. Following documents shall form part of the agreement.
1. The notice-inviting bid, all the documents including additional conditions, specifications and drawings, if any, forming the bid as issued at the time of invitation of bid and acceptance thereof together with any correspondence leading thereto & required amount of performance security including additional performance security.
  2. Standard P.W.D. Form **P-1** with latest amendments.
- iv) Failure to enter in to the required agreement and to make the security deposit as above shall entail forfeiture of the **Bid Security (earnest money)** .No **contract (tender)** shall be finally accepted until the required amount of initial security deposit and additional performance security deposit are received by the Executive Officer. The security will be refunded after **three years** of completion of the work and payment of the final bill and will not carry any interest.
- v) As concurred by Law Department & Finance Department In their U.O.R. No 848 dtd.21.05.97 J.O.R.No.202 W.F.D. dtd.06.03.98 respectively the E.M.D. will be forfeited in case, where bidders/tenderers back out from the offer before acceptance of tender by the competent authority.
- vi) **Amendment to Para 3.5.18 Note – viii of OPWD Code Vol.-I**  
Before acceptance of tender, the successful bidder will be required to submit a work programme and mile stone basing on the financial achievement so as to complete the work within the stipulated time and in case of failure on the part of the agency to achieve the mile stone liquidated damage will be imposed.
36. That for the purpose of jurisdiction in the event of disputes if any of the contract would be deemed to have been entered in to within the State of Odisha and it is agreed that neither party to the contract will be competent to bring a suit in regard to the matter by this contract at any place outside the State of Odisha.
37. The contractor should be liable to fully indemnify the department for payment of compensation under workman Compensation Act. VIII of 1923 on any account of the workmen employed by the contractor and full amount of compensation paid will be recovered from the contractor.
38. Bidders are required to abide by the fair wages clause as introduced by Govt. of Odisha, Works Department Letter No.-VIII-R 8/5225 Dtd. 26.02.55 and No .IIM- 56/628842(5) Dtd.27.09.61 as amended from time to time.
39. In case of any complaint by the labour working about the non payment or less payment of his wages as per latest minimum Wages Act, the Executive Officer will have the right to investigate and if the contractor is found to be in default, he may recover such amount due from the contractor and pay such amount to the labour directly under intimation to the local labour office of the Govt. The contractor shall not employ child labour. The decision of the Executive Officer is final and binding on the contractor.
40. The contractor shall bear cost of various incidentals, sundries and contingencies necessitated by work in full within the following or similar category.
- a. Rent, royalties and other charges of materials, including all taxes as applicable, ferry, tolls conveyance charge and other cost on account of land and building including temporary building and temporary electric connection to work site as well as construction of service road and diversion road and its maintenance till completion of work as required by the bidders for Collection of materials, storage, housing of staff or other purpose of the work. No bidder will however be liable to pay Govt. for temporary occupation of land owned by Govt. at the site of the work.
  - b. Labour camps or huts necessary to a suitable scale including conservancy and sanitary arrangements therein to the satisfaction of the local health authorities.
  - c. Suitable water supply including pipe water supply wherever available for the staff and labour.
  - d. Fees and duties levied by the municipal, canal or water supply authorities.
  - e. Suitable equipments and wearing apparatus for the labour engaged in risky operations.
  - f. Suitable fencing barriers, signals including paraffin and electric signal where necessary at works and approaches in order to protect the public and employees from accidents.
  - g. Compensation including the cost of any suit for injury to persons or property due to neglect of any major precaution also become payable due to operation of the workmen compensation act.
  - h. The contractor has to arrange adequate lighting arrangement for the work where ever necessary at his own cost.

41. After the work is finalized, all surplus materials should be removed from the site of work. Preliminary work such as vats, mixing platforms etc. should be dismantled and all materials removed from the site and premises left neat and clean, this should be inclusive of the rate.
42. No payment will be made for bench marks, level pillars profiles and benching and leveling the ground where required. The percentage rate to be quoted should be inclusive of carriage of all materials and incidental item of works.
43. It should be understood clearly that no claim what-so-ever will be entertained to extra items of works, extra quantity of any item besides agreement quantity unless written order is obtained from the Engineer-in-charge and rate settled before the extra items of work or extra quantity of any items of work is taken up.
44. The bidder shall have to abide by the C.P.W.D. safety code rules introduced by the Government of India, Ministry of work Housing and Supply in their standing order No-44150 dtd.25.11.57.
45. Bid documents consisting of plans, specifications, the schedule of quantities and the set of terms and conditions of contract and other necessary documents can be seen in all the offices issuing the documents and office of the Engineer-in-Chief (Civil) during office hours every day except on Sundays and Public Holidays till last date of sale and receipt of bid documents. Interested bidders may obtain further information at the same address. But it must be clearly understood that the bids must be received in order and according to the instructions.
46. Bidders are required to go through each clause of P.W.D. Form **P-1** carefully in addition to the clause mentioned herein before tendering. In case of ambiguity, the clauses of P.W.D Form **P-1** with latest amendments shall **supersede** the condition of **D.T.C.N.**
47. All reinforced cement concrete work should conform to IRC Code and Bridge Code section I, II, III, IV and VII & latest design criteria for prestressed concrete bridges specifically for road and bridges issued by MoSRT&H, Govt. of India. MoSRT&H Specification for Road & Bridge work (Latest Revision) shall be the guiding book for execution, quality assurance, specification and measurement for all items of Road & Bridge works.
48. Steel shuttering & centering shall be used which shall be lined with suitable sheeting and made leak proof and water tight.
49. The Department will have the right to inspect the scaffolding, centering and shuttering made for the work and can reject partly or fully such structures if found defective in their opinion.
50. Concrete should be machine mixed unless otherwise ordered in writing by the Executive Officer. The contractor should arrange his own concrete mixer, vibrator, and pumps etc, for this purpose at his own cost.
51. Cement shall be used by bags and weight of one bag of cement being taken as fifty (50) Kg.
52. The bidder should arrange the materials like Steel, Cement, paint and bitumen etc. of approved quality and specification at his own cost for completion of the work with the time schedule. No extension of time will be granted on the application of the bidder due to delay in procurement of materials.
53. The bidder will be responsible for the loss or damage of any departmental materials during transit and in the execution of the work due to reasons what – so-ever and the cost of such materials will be recovered from the bills at stock issue rates or market rates whichever is higher.
54. If the bidder removes Government materials supplied to him from the site of work with a view to dispose of the same dishonestly, he shall be in addition to any other liability civil or criminal arising out of his contract be liable to pay a penalty equivalent to five times of the price of the materials according to the stock issue rate or market rate whichever is higher. The penalty so imposed shall be recovered at any time from any sum that may then or at any time thereafter become due to the bidder or from his security deposit or from the proceeds of sale thereof.
55. The selected bidder may take delivery of departmental supply according to his need for the work issued by the Sub-Divisional office in-charge subject to the availability of the materials. The bidder shall make all arrangement for proper storages of materials but no cost for raising shed for storage, pay of watchman etc. will not be borne by the Department. The Department is not responsible for considering the theft of materials at site. It is the contractor's risk. Under any such plea if the bidder stops the work, he shall have to pay the full penalty as per clause of **P-1** agreement.
56. The Department will have the right to supply at any time in the interest of work any departmental materials to be used in the work and the contractor shall use such materials without any controversy or dispute on that account. The rate of issue of such materials will be at the stock issue rates inclusive of storage charges or rates fixed by the Department or current market rate whichever is higher.
57. All the materials which are to be supplied from P. W. D. store will be as per availability of stock and the contractor will have to bear the charges of straightening, cutting, jointing, welding etc. to required sizes in case of M. S. Rods or Tor steel/M.S Angles, Tees and Joists etc. After issue from the P. W. D. store the materials may be under the custody of the contractor and the contractor will be responsible for its safety and storage.
58. Though Departmental issue of cement and steel has indicated, it may not be taken as binding. The contractor must have to arrange by themselves cement, steel, bitumen and every sort of materials from approved manufacturer, get it tested in the Departmental Laboratory and approved by the Department before use.
59. TOR rods, plates and structural members will be supplied in quantity, length and size available in the stock. For payment of reinforcement, the steel including plates etc. shall be measured in length of different diameter, size and specification as actually used (including hooks and cranks) in the work correct to an inch or cm. and their weight calculated as per sectional weight prescribed by the Indian Standard Specification or as directed by the Engineer-in-Charge.
60. The tentative alignment of the proposed bridge has been shown in the enclosed drawing. However, the department has got the right to shift the actual bridge position within a reasonable range in both U/s and D/s.
61. The contractor should at his own cost arrange necessary tools and plants required for the efficient execution of work and the rates quoted should be inclusive of the running charges of each plant and cost of conveyance.
62. After completion of the work the contractor shall arrange at his own cost all requisite equipments for testing one unplugged well and specified span free of cost as directed by the Engineer-in-Charge and bear the entire cost of the test.
63. No extra payment will be made for the jungle clearance for taking earth from the borrow areas. Earth work from cutting shall be economically utilized in filling.
64. If required the stack of road metal and gravel will be measured in boxes of 1.5m x 1.5 M x 0.5M which will be taken as 1.5m x 1.5M x 0.44M = 1 Cum. The soling stones will be measured in the suitable stacks with deduction for voids @ 1/6 of volume or more depending upon the looseness of stacking which would be determined on actual observation and deduction.

65. The machineries, if available, with the department may be supplied on hire as per normal hire charges of Government in force at the time of execution of work subject to the condition that the contractor will execute in advance an agreement with the Executive Officer.
66. In the event of any delay in the supply of Department road roller for unavoidable reasons, no extension of time will be granted to the contractor under any circumstances.
67. Sinking of wells shall be measured as per MoSRT&H Specifications for Road & Bridge works (Latest Revision).
68. All method of sinking including pneumatic sinking by employment of divers and other equipment shall be included in the rate. Removal of trees, logs of trees or isolated boulders and de-silting of sand or earth from existing well, rectification of tilt and shift if any, etc. shall also be included within the rate.
69. The depth of foundation indicated on the drawing are provisional but these may be altered if necessary in the light of the nature of strata indicated by boring which must be taken in advance of actual execution of the foundation.
70. When resort has to be made for sinking the wells by air lock and vacuum chamber method rates there of shall be pre-decided by authority accepting the tender.
71. Construction of coffer dam or island or the work of open excavation or dressing or labour for laying well curbs shall be included in the rate.
72. For concreting the bottom plugs of well under the method of providing concrete should be either with tremie or any other approved method as well be directed by the Engineer-in charge with 10% extra cement to be used for under water concreting without any extra cost to the Department.
73. No claim will be entertained in respect of difficulties during sand blowing met with during sinking of wells.
74. No part of the bearing for the superstructure shall be allowed to rest on the noses of the piers.
75. Tor Steel mesh reinforcement shall be provided in the concrete of the girders on the caps of the piers / abutments immediately in contact with the bearing to ensure proper distributions of heavy load.
76. Lugs and grooves shall be provided in the bearings to prevent them from skewing and getting out of alignment.
77. Inspection by the Director General of Supplies and Disposals of the bearing during manufacture and X-Ray or Gama Ray examination of castings thickness more than 8 inches and load testing of bearing if considered necessary shall have to be carried out at the contractor's cost .The same procedure for testing may have to be followed for ribbed bearing manufactured by widening.
78. a) It should be clearly understood that the joints of the bars are to be provided with lapping, welds or bolts nuts as will be directed by the Engineer-in-charge.  
 b) Concrete test specimens 150mm × 150mm × 150mm in size (whether plain or reinforced concrete) for the testing shall be taken for each structural member by a representative of the contractor in the presence of responsible officer of the rank not lower than that of an Assistant Executive Engineer or sub-Divisional Officer. The contractor shall bear the cost so involved in testing. The test specimen in cube should be carried out in the Departmental Quality Control and Research Laboratory of Cuttack or Bhubaneswar. Test should be carried out in accordance with the stipulation in Bridges code section-III.  
 c) Test specimens shall be formed carefully in accordance with the standard method of taking test specimen and no plea shall be entertained later on the grounds that the casting of the test specimen was faulty and that the result of the specimen did not give a correct indication of the actual quality of concrete.  
 d) Plain concrete and reinforced concrete specimens will be tested in Government Test Houses at Alipore or Quality Control and Research Laboratory at Bhubaneswar. Cost of testing of all specimens and samples will be borne by the Contractor.  
 e) The construction of well staining by injecting cement or grout in coarse aggregate placed in position shall not be permitted.
79. The thickness of cement concrete in top plugging should be as per Departmental drawing.
80. In well sinking, the maximum tolerance permissible in tilt is 1:80 and the shift is 150mm to the normal direction. Where it is not feasible to work these tolerance the contractor shall carry out. Suitable remedial measures as may be directed by the Engineer-in-charge to overcome the adverse effects of tilts and shifts without any extra cost to the Department and without any damages to the well. Any additional work necessary consequent upon the excess tilt and shift shall be carried out by the contractor at no extra cost to the Department.
81. Concrete of strength below of the required strength (as determined by actual tests) shall not be accepted.
82. If the well is beyond rectification the well shall be rejected, the well has to be abandoned and another well to be sunk at a suitable location at the cost of the Contractor. The tilt and shift of the well including compensation is to be abided as per the clauses of MoSRT&H Specification for Roads & Bridge works (Latest Revision).
83. No claim for carriage of water what-so-ever will be entertained as this has been included in the estimate and the bidder has to quote his / their rate accordingly.
84. The contractor shall employ one or more Engineering Graduate or Diploma holders as apprentice at his cost if the work as shown in the tender exceeds Rs.2,50,000/-.The apprentices will be selected by the Executive Officer. The period of employment will commence within one month after the date of work order and would last till the date, when 90% of the work is completed. The fair wage to be paid to the apprentices should not be less than the emolument of personnel of equivalent qualification employed under Government. The number of apprentices to be employed should be fixed by the Executive Officer in the manner so that the total expenditure does not exceed one percent of the tendered cost of the work.
85. Super class contractor shall employ under himself two Graduate Engineer and two Diploma holders belonging to the State of Odisha. Special class contractor shall employ under him one graduate Engineer and two Diploma Holder belonging to the state of Odisha. Likewise 'A' class contractor shall employ under him one Graduate Engineer or two Diploma Holders belonging to state of Odisha. The contractor shall pay to the Engineering personnel monthly emoluments which shall not be less than the emoluments of the personnel of equivalent qualification employed under the State Govt. of Odisha. The Executive Officer, Odisha may however assist the contractor with names of such unemployed Graduate engineers and Diploma Holders if such help is sought for by the contractor .The names of such Engineering personnel appointed by the Contractors should be intimated to the tender receiving authority along with the tender as to who would be supervising the work. Each bill of the Super Class, Special Class or 'A' Class Contractor shall be accompanied by an employment Roll of the Engineering personnel together with a Certificate of the Graduate Engineer or Diploma Holder so employed by the contractor to the effect that the work executed as per the bill has been supervised by him. (Vide Works Department No. Codes M-22/91-15384 dated 9.7.91). The required certificate is to be furnished in the proforma contained in a separate sheet vide **Schedule-B**.

86. It is the responsibility of the contractor to procure and store explosive required for blasting operation. Department may render necessary possible help for procuring license.
87. Odisha Construction Corporation Ltd. Will be allowed price preference up to 3% over the lowest quotation or tender as laid down in works and Transport Department Resolution No-285 date-17.04.1974 .The Odisha Bridge and Construction Corporation will also be allowed a price preference to the extent of up to 3% over the lowest tender amount (Where their tender is not the lowest) provided they express willingness to execute the work after reduction of rates by negotiation.
88. **Amendment of existing Clauses** :- 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 the wheat/ rice referred to above, 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, octroi ,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 Government 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. The GST as applicable for work contract shall be payable to Contractor on each bill amount.
89. The prevailing percentage of I. T. Department of the gross amount of the bill towards income tax will be deducted from the contractor's bill.
90. Prevailing rate of GST on the gross amount of the bill will be deducted from the contractor's bill as tax deduction at source (TDS) as per rules.
91. The contractor is required to pay royalty to Govt. towards use of minor minerals and produce such documents in support of their payment to the concerned Executive Officer with their bills, falling which the amount towards royalties 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.
92. CESS @ 1 (one)% of the amount of the each bill shall be proportionately deducted from the Contractor's bill at the time of making payment of each bill.
93. Under no circumstances interest is chargeable for the dues or additional dues if any payable for the work.
94. Under section 12 of contractors labour (Regulation and Abolition) Act. 1970 the contractor who undertakes execution of work through labour should produce valid license from licensing authorities of labour Department.
95. **Sample of all material** – The contractor shall supply sample of all materials fully before procurement for the work for testing and acceptance as may be requiring by the concerned Executive Officer.
96. **Trial Boring** – The foundation level as indicated in the body of the departmental drawing is `purely tentative and for the general guidance only. The Department has no responsibility for the suitability of actual strata at the foundation level. The contractor has to conduct his own boring before starting the work and get the samples tested at his own cost to ascertain the S.B.C. and credibility of the strata at founding level. While quoting his rates for tender the contractor shall take in to account of the above aspects.
97. Any defects, shrinkage or other faults which may be noticed within **36 (Thirty-six) months** from the completion of the work arising out of defective or improper materials or workmanship timing are upon the direction of the Engineer-in-Charge to be amended and made good by the contractor at his own cost unless the Engineer for reasons to be recorded in writing shall be decided that they ought to be paid for and in case of default Department may recover from the contractor the cost of making good the works. The defect liability period for the work is **36 (Thirty-six) calendar months** from the date of successful completion of the work.
98. From the commencement of the works to the completion of the same, they are to be under the contractors charge. The contractor is to be held responsible to make good all injuries, damages and repairs occasioned or rendered necessary to the same by fire or other causes and they hold the Govt. of Odisha harmless for any claims for injuries to person or structural damage to property happening from any neglect, default, want of proper care or misconduct on the part of the contractor or any one in his employment during the execution of the work. Also no claim shall be entertained for loss due to earthquake, flood, cyclone, epidemic, riot or any other calamity whether natural or incidental damages so caused will have to be made good by the contractor at his own cost.
99. **Payment for variation in price – (Vide Works Department Codal / Contractual provisions regarding price adjustment in works contract – 2019).**  
Contract price shall be adjusted for increase or decrease in rates and price of Labour, Cement, Steel, Bitumen, Pipes, POL & other material component in accordance with the following principles and procedures as per formula given below in (Annexure-A) as per Works Department, Office Memorandum No.15847/WE dated 19.11.2019.

**100:- Price Adjustment (Annexure-A)** as per Works Department, Office Memorandum No.15847/WE dated 19.11.2019.

**100.1:** Contract price shall be adjusted for increase or decrease in rates and price of labour, materials, fuels and lubricants in accordance with the following principles and procedures and as per formula given in following Para's.

**(a)** The price adjustment shall apply for the work done from the start date given in the contract date up to end of the initial intended completion date or extensions granted by the Engineer and shall not apply to the work carried out beyond the stipulated time for reasons attributable to the contractor.

**(b)** The Price adjustment shall be determined during each month from the formula given in following Para's

**(c)** Following expressions and meanings are assigned to the work done during each month.

**R=** Total value of work done during the month. It would include the amount of secured advance granted, if any, during the month, less the amount of secured advance recovered, if any during the month. It will exclude value for work executed for extra items under variations.

**100.2:** To the extent that full compensation for any rise or fall in costs to the contractor is not covered by the provisions of this or other clauses in the contractor, the unit rates and prices includes in the contract shall be deemed to include amounts to cover the contingency of such other rise or fall in costs.

The formulas (e) for adjustment of prices are:

**100(a) (i): Adjustment of Other Materials Component**

Price adjustment for increase or decrease in cost of local materials other than cement, steel, bitumen pipe and POL procured by the contractor shall be paid in accordance with the following formula:

$V_M = 0.85 \times P_m / 100 \times R \times (M_1 - M_0) / M_0$

$V_M$ = Increase or decrease in the cost of work during the month under consideration due to changes in rates for local materials other than cement, steel, bitumen and POL

$M_0$ = The all India wholesale price index (all commodities) on 28 days preceding the date of opening of Bids, as published by the ministry of Commerce and Industry Government of India, New Delhi.

$M_1$ = The all India wholesale price Index (all commodities) for the month under consideration as published by the Ministry of Commerce and Industry, Government of India, New Delhi.

$P_m$ = Percentage of local material component (other than cement, steel, bitumen and POL) of the work.

**100(a)(ii): Adjustment for Cement Component**

Price adjustment for increase or decrease in the cost of cement procured by the contractor shall be paid in accordance with the following formula:

$V_C = 0.85 \times P_c / 100 \times R \times (C_1 - C_0) / C_0$

$V_C$ = Increase or decrease in the cost of work during the month under consideration due to changes in the rates for cement.

$C_0$ = The all India wholesale price index for Ordinary Portland Cement (OPC) on 28 days preceding the date of opening of Bids as published by the Ministry of Commerce and Industry Government of India, New Delhi.

$C_1$ = The all India wholesale price Index for Ordinary Portland Cement (OPC) for the month under Consideration as published by the Ministry of commerce and Industry, Government of India, New Delhi.

$P_c$ = Percentage of Cement Component of the work

100.

**100(a) (iii): Adjustment for Steel Component**

(iii) Price adjustment for increase or decrease in the cost of steel procured by the contractor shall be paid in accordance with the following formula:

$V_S = 0.85 \times P_s / 100 \times R \times (S_1 - S_0) / S_0$

$V_S$ = Increase or decrease in the cost of work during the month under consideration due to in the changes in the rates for steel.

$S_0$ = The all India wholesale price Index for steel (Mild Steel Long products) on 28 days preceding the date of opening of Bids as published by the Ministry of Commerce and Industry Government of India, New Delhi.

$S_1$ = The all India Wholesale price Index for steel (Mild Steel Long products) for the month under consideration as published by the Ministry of Commerce and Industry, Government of India, New Delhi.

$P_s$ = Percentage of steel component of the work

**Note:** For the application of this clause, Index of (Mild Steel long products) has been chosen to represent steel group.

**100(a)(iv): Adjustment of Bitumen Component**

Price adjustment for increase or decrease in the cost of Bitumen shall be paid in accordance with the following formula:

$V_b = 0.85 \times P_b / 100 \times R \times (B_1 - B_0) / B_0$

$V_b$ = Increase or decrease in the cost of work during the month under consideration due to changes in the rate of Bitumen.

$B_0$ = The official retail price of Bulk Bitumen at the IOC / BPCL depot at nearest center on the days of 28 days prior to date of opening of Bid

$B_1$ = The official retail price of Bulk Bitumen at the IOC / BPCL depot at nearest center for the 15 days of the month under consideration.

$P_i0$ = Percentage of Bitumen component of the work.

**100(a)(v): Adjustment towards differential cost of Pipes**

Price adjustment for increase or decrease in the cost of pipe shall be paid in accordance with the following formula:

$V_{P_i} = 0.85 \times P_{P_i} / 100 \times R \times (P_{i1} - P_{i0}) / P_{i0}$

$V_{P_i}$ = Differential cost of pipe i.e. amount of increase or decrease in rupees to be paid or recovered during the month under consideration.

$P_{P_i}$ = Percentage of pipe component of the work

$P_{i1}$ = All India Wholesale price Index of pipe for the period under consideration as published by the Ministry of Commerce and Industry, Government of India, New Delhi.

$P_{i0}$ = All India Wholesale price Index of pipe on 28 days preceding the date of opening of bids as published by the Ministry of Commerce and Industry, Government of India, New Delhi.

**100(b): Adjustment of Labour Component**

Price adjustment for increase or decrease in the cost due to labour shall be paid in accordance with the following formula:

$V_L = 0.85 \times P_l / 100 \times R \times (L_1 - L_0) / L_0$

$V_L$ = Increase or decrease in the cost of work during the month under consideration due to changes in rates for local labour.

$L_0$ = The minimum wages for unskilled labour as Notified by Government of Odisha as prevailed on the last stipulated date of receipt of tender including extension, if any.

$L_1$ = The minimum wages for unskilled labour as Notified by Government of Odisha as prevailed on the last date of the Month previous to the one under consideration.

$P_l$ = Percentage of labour component of the work.

**100(C): Adjustment of POL (fuel and lubricant) Component**

(V) Price adjustment for increase or decrease in cost POL (fuel and lubricant) shall be paid in accordance with the following formula:

$V_f = 0.85 \times P_f / 100 \times R \times (F_1 - F_0) / F_0$

$V_f$ = Increase or decrease in the cost of work during the month under consideration due to changes in the rates for fuel and lubricants.

$F_0$ = The official retail price of High Speed Diesel (HSD) at the existing consumer pumps of IOC / BPCL / HPCL at nearest center on the day 28 days prior to the date of opening of Bids.

F<sub>1</sub>= The official retail price of HSD at the existing consumer pumps of IOC / BPCL /HPCL at nearest center for the 15<sup>th</sup> day of the month under consideration.

P<sub>1</sub>= Percentage of fuel and lubricants component of the work

**Note:** For the application of this clause, the price of High Speed Diesel oil has been chosen to represent fuel and lubricants group.

**100(d): Adjustment for Plant and Machinery Spares Component**

(Vi) Price adjustment for increase or decrease in the cost of plant and machinery spares procured by the Contractor shall be paid in accordance with the following formula:

$$V_p = 0.85 \times P_p / 100 \times R \times (P_1 - P_0) / P_0$$

V<sub>p</sub>- Increase or decrease in the cost of work during the month under consideration due to changes in the rates for plant and machinery spares

P<sub>0</sub>- The all India wholesale price index for manufacture of machinery for mining, quarrying and construction on 28 days preceding the date of opening of Bids as published by the Ministry of Commerce and Industry, Government of India, New Delhi.

P<sub>1</sub>- The all India wholesale price index for manufacture of machinery for mining, quarrying and construction for the month under consideration as published by the Ministry of Commerce and Industry, Government of India, New Delhi.

P<sub>p</sub>- Percentage of plant and machinery spares component of the work

**Note:** For the application of this clause, index of manufacturing of machinery for mining, quarrying and construction has been chosen to represent the Plant and machinery Spares group.

Regarding wholesale price Index (WPI) for appropriate commodity for payment of price adjustment, due to change of base year of WPI from 1993-94 to 2004-05 & 2011-12, it is observed that, the commodity Bars and Rod Cement Heavy machinery and parts included in the list of WPI 1993-94 series are not mentioned as such in the WPI 2004-05 & 2011-12 series. There for, the following items in the WPI 2004-05 & 2011-12 series shall be considered corresponding to items in WPI 1993-94 series:

Sl. No.	Item in WPI 1993-94 series	Item in WPI 2004-05 series	Item in WPI 2011-12 series
1.	Cement	Grey cement	Ordinary Port land cement
2.	Bars & Roads	Rebars	Mild steel long products
3.	Heavy Machinery & parts	Construction Machinery	Manufacture of machinery for mining, quarrying & construction.

**100(e): APPLICATION OF ESCALATION CLAUSE:**

The contractor shall for the purpose of availing reimbursement/refund of differential cost of steel, bitumen, cement, pipe, POL and wages, keep such books of account and other documents as are necessary to show that the amount of increase claimed or reduction available and shall allow inspection of the same by a duly authorized representative of Government and further, shall at the request of the Engineer-in-Charge, furnish documents to be verified in such a manner as the Engineer-in-Charge may require any document and information kept. The contractor shall within a reasonable time of 15 days of his becoming aware of any alteration in the price of such materials, wages of labour and / or price of P.O.L. give notice thereof to the Engineer-in-Charge stating that the same is given pursuant to this condition along with information relating to there to which he may be in a position to supply.

**Percentage Table**

Sl No	Category of works		% Component (cost wise)		
			Labour (P <sub>i</sub> )	POL(P <sub>i</sub> )	Steel (P <sub>s</sub> ) + Cement (P <sub>c</sub> ) + Bitumen (P <sub>b</sub> ) + Pipes (P <sub>pi</sub> ) + Plant & Machinery Spare & Component (P <sub>p</sub> ) + Other Materials*
1	R&B works (% of component)	Road Works	5	5	90
		Bridge works	5	5	90
		Building works	5	5	90
2	Irrigation works (% of component)	Structural works	5	5	90
		Earth, Canal & Embankment works	5	5	90
3	P.H. Work	Structural work	5	5	90
		Pipeline work	5	5	Pipe-70% *Machinery + Other materials-20%
		Sewer Line	5	5	Pipe-70% *Machinery + Other material-20%

**Note:-** Further break up may be worked out considering the consumption of Cement, Steel Bitumen, pipe and Plant & Machinery Spare Component in the concerned work and shall be provided in the bid document in shape of "Schedule of Adjustment Data" as an "Appendix to Bid" (enclosed herewith).

[for all works, adjustment factor for Labour and POL shall be considered @ 5% each, Steel, Cement, Pipes, other Materials and Machinery shall contribute to 90% of Price Adjustment and shall be calculated for each work separately during preparation of estimate, shall be approved by the authority during technical sanction as a "Schedule of Adjustment Data" and shall form part of the Bid Document]

Cl. No- 100 of F2/P1 Contracts Sl. No	Index description	Source of index	Base Value*	Base Date*	Weight age of item**
100(a) (i)	Other Materials	All India Whole sale price index (all commodities) as published by the Economic Advisor to the Govt. of India, Ministry of Commerce and Industry			<b>65.30 %</b>
100(a)(ii)	Cement	Whole sale price Index for Cement (Ordinary Portland Cement) as published by the office the Economic Advisor to the Govt. of India, Ministry of Commerce and Industry.			<b>8.23 %</b>
100(a)(iii)	Steel	Whole sale price index for steel (Mild Steel-Long Products) as Published by the office of the Economic Advisor to the Govt. of India, Ministry of Commerce and Industry.			<b>15.12 %</b>
100(a)(iv)	Bitumen (VG-30)	Official retail price of bulk bitumen at the nearest IOC/HPCL depot			<b>0.00 %</b>
100(a)(V)	Pipes	Wholesale price index for the type of Pipe under consideration, as published by the office the Economic Advisor to the Govt. of India, Ministry of Commerce and Industry.			<b>0.00 %</b>
100(b)	Labour	Minimum Wage notified by the Labour and Employee's State Insurance Department of Government of Odisha, India			<b>5.00 %</b>
100(c)	POL	Official retail price of HSD at nearest IOCL/HPCL/BPCL Consumer pump depot.			<b>5.00 %</b>
100(d)	Plant and Machinery	Wholesale price index for Manufacture of Machinery for Mining, Quarrying and Construction as published by the office the Economic Advisor to the Govt. of India, Ministry of Commerce and Industry.			<b>1.35%</b>
			Total		<b>100.00%</b>

\*Values to be filled up at the time of drawl of contract

\*\*Values to be filled up in the bid document.

101. For diversion road the contractor will have to make his own arrangement to make the same in private land if necessary for which agreement of such land by the side of C.D. works and the rental charges for such private land shall be borne by the contractor including the proper maintenance with lighting arrangements during the night time and signaling during day time and barricading etc. till the C.D. works are opened to the traffic. No extra cost will be paid to the contractor for the above rental charges etc. His rate in the tender shall include this arrangement, rental charges for the land and maintenance, lighting and removal of such temporary road crust from the private land to bring the land to its original condition etc. complete.
102. The contractor has to arrange the land required for borrowing earth if necessary for the road work at his cost. No extra payment by the Department will be made on this account and no claim what-so-ever will be entertained on this ground. The rate quoted by the contractor should be inclusive of all such charges.
103. Where it will be found necessary by the Department, the Executive Officer of the work shall issue an Site Order book to the contractor to be kept at the site of the work with pages serially numbered. Orders regarding the work whenever necessary are to be entered in this book by the P.W.D. Officer-in-Charge with their dated signatures and duly noted by the contractor or his authorized agents with their dated signature. Orders entered in this book and noted by the contractor's agent shall be considered to have been duly given to the contractor for following the instructions of the Department. The Site Order Book shall be the property of the P.W.D. and shall not be removed from the site of work without written permission of the Executive Officer and to be submitted to the Engineer-in-charge every month.
104. The bidder should conduct three bores at each pier and S.B.C. of soil at foundation level and abutments location and furnish the test results in conformity with I.R.C. code at his own cost before execution of the work and rate quoted by the contractor should be inclusive of such bores and S.B.C. tests etc. without any extra cost to the Department.
105. The details of foundation, sub-structure and floor protection for execution shall be done in accordance with the test results thus obtained.
106. The contractor shall have no claim what so ever for the extra quantity of work to be executed in view of above possible changes and payments is to be made as per Clause 10 of the P-1 Contract.
107. Over and above these conditions, the terms and conditions and rules and regulations and specifications as laid down in Odisha P.W.D. Code, Bridge code and MoSRT&H Specifications with latest revision / amendment are also binding on the part of the contractor.

108. No part of the contract shall be sublet without written permission of the concerned Executive Officer or transfer be made by power of Attorney authorizing others to receive payment on the contractor's behalf.
  109. The contractor should attach the certificate in token of payment deposit with the registration authority as per recent circular of the Government relating to his registration.
  110. Any damages caused by natural calamities should be done by the contractor at his own cost. The Department will not be any way responsible for the same and will not pay any cost towards the repair done by the contractor.
  111. The rate quoted by the contractor shall cover the latest approved rates of labours, materials, P.O.L. and Royalties. Arrangement of borrow areas; land, approach road to the bridge site etc. are the responsibility of the contractor.
  112. The concrete items wherever dewatering is imperatively necessary the term dewatering shall mean the execution or operation of the items due to standing water as well as due to percolation of water. The quoted rate will be inclusive of this.
  113. The materials, borrow areas and hutments at site should be arranged by the contractor at his own cost. No future complaint on this account shall be entertained.
  114. The contractor shall make requisition of claim book from the date of commencement of the work from the Department and shall maintain in proper P.W.D. form with pages serially numbered in order to record items of works are not covered by his contract and claimable as extra. Claims shall be entered regularly in this book under the dated signature of the contractor or his duly authorized agents at the end of each month. A certificate should be furnished along with the claim to the effect that he has no other claim beyond this claim up-to-date. If in any month there are no claims to record, a certificate to that effect should be furnished by the contractor in the claim book. Each claim must be defined and should be given as far as possible regarding the quantities as well as the total amount claimed. The claim book must be submitted by the contractor regularly by 10<sup>th</sup> and 16<sup>th</sup> days of each month for orders of the Engineer-in-Charge or competent authority. Claims not made in this manner or the claim books not maintained from the commencement of the work are liable to be summararily rejected. The claim books rate the property of the P.W.D. and shall be surrendered by the contractor to the Engineer-in-charge after completion of the work or before recession of the contract by the Department which ever is earlier for record.
  115. Number of tests as specified in I.R.C./MoSRT&H/I.S.I specification required for the construction of roads /bridges / buildings or any other structural works will be conducted in any Govt. Test House / Departmental laboratories/reputed material testing laboratory as to be decided by the Engineer-in-charge. Testing charges including expenditure for collection / transportation of samples /specimens etc. will be borne by the contractor. The collection of samples and testing are to be conducted for both prior to execution and during execution as may be directed by the Engineer-in-charge and on both the accounts the cost shall be borne by the contractor.
  116. i) Besides, the firm / contractor shall install full fledged field laboratory at work site for conducting required tests as per IRC/MoSRT&H/ISI requirements at his own cost for providing sufficient opportunity for checking from time to time.
  - ii) An Engineering personnel of the executing agency should be present at work site at the time of visit of high level inspecting officers in the rank of Chief Engineer and above.
  - iii) After completion of the work in all respects the road furniture's should be affixed by the executing agency indicating locations like school, hospital, No-horn etc.
- b) **Condition for issue of plant & machinery to contractor on hire** :- Tools & plants will be issued to the contractor only if it is desirable in the interest of Govt. works and if these can be spared without inconvenience to the Department. The Sanction of the Executive Officer shall be necessary in each case. The contractor shall arrange his programme of work according to the availability of the plant & machinery & no claim will be entertained for any delay in supply by the Department.

An agreement shall be entered in to by the contractor to the effect that these hire charges are recoverable from the bills of the contractor regularly and the final payment for the work including refund of security deposit will not be made until the total amount due to the Government on account of hire of machinery etc. is recoverable in full. Full amount of hire charges due from the contractor at any contract at any time shall be recovered from his next subsequent bill.

All transit and incidental charges in connection with the dispatch of tools and plants and machineries from workshop shed/ deposit return there to, will be borne by the contractor.

The hire charge shall be recovered at the prescribed rates from and inclusive of the date, the plant and machinery is made over up to and inclusive of the date of its return, even though the same day it may not have been utilized for any reason except for a major break down which may take more than 72 hours for repairs. The contractor shall immediately intimate in writing to the Engineer –in-charge when any plant or machinery goes out of order requiring major repairs.

The hire charges are for clock hours. In case of tar boilers, hot mix plant and any other machinery requiring similar preparation the working hour will include the time required to make up the boiler temperature and bring plant to the operating conditions before the actual start of work.

The machine will work in shifts of 8 hours each. Extra charges towards overtime wages of any of the operating and maintenance staff will be leviable. These charges will be fixed by the Engineer-in-charge from time of time. In no case the tools and plants shall be operated beyond 8 hours in any shift without prior written permission of the Engineer-in-charge.

The contractor shall release the plant and machinery as and when required for periodical servicing and maintenance. He shall also provide for any labour and water source for washing the plants. In the case of Concrete mixtures, pavers and similar such type of equipments, the contractor shall arrange to get the hopper cleaned and the drums etc. washed at the close of work each day.

The plant and machinery once issued to a contractor shall not be returned by him on account of lack of arrangement of labour and material etc. on his part. The same will be returned only when they do not require or when in the option of Engineer-in-charge the work or a portion of work for which issued is completed.

The tools and plants shall while in transit and in the custody of contractor be at his sole risk and responsibility for damages and / or loss except fair wear and tear. The damage or loss as assessed by Engineer-in-charge shall be made good by the contractor. In the event of a disagreement as to the extent of damage or the value of article lost, the decision of Executive Officer shall be final. The contractor shall on or before the supply of plant and machinery sign an agreement in indemnifying the Govt. against loss or damage to the machine. The Contractor shall also be responsible for any claim for compensation for loss of life, injury or damages to property

etc. arising from any cause what-so-ever. The contractor shall provide full time choukidar for guarding the plant and machinery at site.

If the articles are not returned within the date originally specified or extended by the Engineer-in-charge, in addition to the normal hire charge, a surcharge equal to 10% of the hire charges will be levied for the period that the machinery is not returned. Such period will be treated as working time. In the event of the non-return of the machinery, the full value of the articles at the current market price will be recovered from the contractor's outstanding bills or any bills that may become due in respect of his other work under the state public works Department. The decision of the Executive Officer shall be final in case of dispute.

**FORM OF AGREEMENT** – The contractor shall, before taking the possession of the machinery, enter in to an agreement with the Engineer-in-charge or his nominees in the form attached.

Log Books for recording the hours of daily works for each of the plant and machinery supplied to the contractor will be maintained by the Department will be attested by the contractor or his authorised agent daily. In case of contractor contests the correctness of the entries and / or fails to sign the log book, the decision of the Engineer-in-charge shall be final and binding on him. Hire charges will be calculated according to the entries in the logbook and will be binding on the contractor.

**AGREEMENT FOR LOANS OF GOVERNMENT TOOLS & PLANTS.**

This agreement made the \_\_\_\_\_ Two Thousand \_\_\_\_\_  
\_\_\_\_\_ between (here-in-after referred to as “the hirer” which expression shall unless excluded by or repugnant to the context include his heirs, executors, administrators and assigns) of the one part and the Govt. of Odisha (here in after referred to as the Governor which expression shall unless excluded by or repugnant to the context include his successors in office as assigns) of the other part.

Where as the hirer desirous of hiring the tools and plants of the P. W. Department of the Odisha Govt. and more particularly specified in the schedule here under between here in after referred to as “the tools and plants”.

And where as Government has agreed to let in hire the tools and plants to the hirer on the terms and conditions here in after mentioned.

Now it is here by and between the parties here to as follows :-

- (a) In consideration of agreement that hire charges be recovered from their bill for work executed on which this machinery will be used or any other than standing in the names of contractors in the book of the Department or any other Government Department. The Govt. agrees to let the hirer tools and plants for the period to be computed from the date of delivery of the tools and plant to the hirer at the P.W. Department workshop **at headquarters of concerned Executive Officer as per Contract Data.**
- (b) The rate of higher charges will be as mentioned in the schedule attached.
- (c) The hirer shall not transfer, assign or sublet or in any way part with the tools and plants or any part there-of without the previous written approval of the Engineer-in-charge
- (d) On the expiry of the period of the hire, the hirer shall return the tools and plants to the Public Works Department. & workshop / store at **headquarters of concerned Executive Officer as per Contract Data** in the same good condition in which they were received by him.
- (e) In the event of the tools and plants not being returned on the expiry of the above-mentioned period, the hirer shall without prejudice and any other liability pay to the Government on account equivalent to the rate of hire specified for the working period and an increase of ten percent.
- (f) The tools and plants shall be open for inspection at all times to the officers of the Government.
- (g) The hirer shall not operate the tools and plants so hired for more than one shift / two shifts of 8 hours each per day without the prior sanction of the Engineer-in-charge. If the hirer operates the tools and plants beyond the aforesaid limit without the prior sanction of the Assistant Engineer, he shall pay to Government additional hire charges as well as over time charges for staff for such excess operation at the rate approved by the Engineer-in-charge from time to time.
- (h) In case of breakdown, repairable at the site within a period of three days hire charges as specified in the schedule will be levied except in case of major repairs.
- (i) Normally the tools and plants will be supplied with operating staff.
- (j) The hirer shall be responsible for any claims for compensation for loss of life, injury or damage to property etc. arising due to any causes what-so-ever during the period of the machinery is in his charge.
- (k) All municipal or other dues and taxes payable on account of the use or operation of the tools and plants for the period of hire shall be defrayed by the hirer.
- (l) The hirer shall make good any loss or damages arising out of causes other than fair wear and tear to the tools and plants during the period of hire. The cost recoverable from the hirer shall be the full replacement value as determined by the Engineer-in-charge .In the event of any loss or damage not being made good by the hirer to the satisfaction of the said Engineer-in-charge the office shall be at liberty to make good himself such loss or damage and recover the cost thereof from the hirer. The hirer shall pay to the Engineer-in-charge such an amount as shall be necessary to make good the loss or damage failing which the same will be recovered from his dues as in case of hire charges.
- (m) On the breach of any terms or conditions of this agreement by the hirer the Engineer-in-charge shall be entitled to demand the return of tools and plants and the hirer shall return the tools and plants within 72 hours from the date of receipt of such order in writing .In case of failure on the part of the hirer to comply with such order he shall be liable to pay such penalty as may be imposed by the Engineer-in-charge for the period the tools and plant are detained provided that the maximum penalty shall not exceed the cost replacement of the tools and plants .
- (n) In case of any disputes between the hirer and the Government, the decision of the Executive Officer shall be final.
- (o) This agreement shall be operated by the Engineer-in-charge on behalf of the Government and the term Engineer-in-charge shall include all officers duly authorized by him to exercise powers on his behalf.

**THE SCHEDULE**

Serial No.	Description and Name of the articles	No.	Amount of hire per hour .	Remarks.

In witness where of the hirer and the Executive Officer has for and on behalf of the Governor of the State has set their respective hand, the day and the year here in above written.

Signed by:

c) 2.

Signed sealed and delivered in the presence of

d) 2.

118. The agency will be responsible for traffic management and maintenance of the stretch of the road (for which the tender has been invited) at his own cost during the period of execution.

119. Even qualified criteria are met, the bidders can be disqualified for the following reasons, if enquired by the Department

(a) Making a false statement or declaration.

(b) Past record of poor performance.

(c) Past record of abandoning the work half way/ recession of contract.

(d) Past record of in-ordinate delay in completion of the work.

(e) Past history of litigation.

120. The information furnished must be sufficient to show that the applicant is capable in all respects to successfully complete the envisaged work.

121. In case the 1<sup>st</sup> lowest tenderer or even the next lowest tenderers withdraw in series one by one, thereby facilitating a particular tender for award, then they shall be penalized with adequate disincentives with forfeiture of EMD unless adequate justification for such back out is furnished. Appropriate action for black listing the tenderers shall also be taken apart from disincentivising the tenderer.

122. ADDENDUM TO THE CONDITION OF P1 CONTRACT

**Clause-2 (a) of P-1 Contract:-TIME CONTROL (Vide Works Department Office Memorandum No.24716 dt.24.12.2005 and No.8310 dt.17.05.2006):-**

**2.1. Progress of work and Re-scheduling programme.**

2.1.1. The Executive Officer shall issue the letter of acceptance to the successful contractor. The issue of the letter of acceptance shall be treated as closure of the Bid process and commencement of the contract.

2.1.2. As per amendment to Para-3.5.18 Note-VIII of O.P.W.D. Code Volume-I, before acceptance of the tender. The successful bidder will be required to submit a work programme and Milestone basing on the financial achievement so as to complete the work within the stipulated time and in case of failure on part of the agency to achieve the Milestone Liquidated damages will be imposed. .

2.1.3. To ensure good progress during the execution of the work the contractors shall be bound in all cases in which the time allowed for any work exceeds one month to complete, 1/4<sup>th</sup> of the whole time allowed under the contract has elapsed, 1/2 of the whole of the work before 1/2 of the whole time allowed under the contract has elapsed, 3/4<sup>th</sup> of the whole of the work before 3/4<sup>th</sup> of the whole time allowed under the contract has elapsed.

2.1.4. If at any time it should appear to the Executive Officer that the actual process of the work does not conform to the programme to which consent has been given the Contractor shall produce, at the request of the Engineer-in-Charge, a revised programme showing the modifications to such programme necessary to ensure completion of the works within the time for completion. If the contractor does not submit an updated Programme within this period, the Executive Officer may withhold the amount of 1% of the contract value from the next payment certificate and continue to withhold this amount until the next payment after the date on which the over due Programme has been submitted.

2.1.5. An update of the Programme shall be a programme showing the actual progress achieved on each activity and the effect of the progress achieved on the timing of the remaining work including any changes to the sequence of the activities.

2.1.6. The Executive Officer approval of the Programme shall not alter the Contractor's obligations. The Contractor may revise the Programme and submit it to the Executive Officer again at any time. A revised Programme is to show the effect of Variations and Compensation Events.

**2.2. Extension of the Completion Date.**

2.2.1. The time allowed for execution of the works as specified in the Contract data shall be the essence of the Contract. The execution of the works shall commence from the 15<sup>th</sup> day or such time period as mentioned in letter of Award after the date on which the Executive Officer issues written orders to commence the work or from the date of handing over of the site whichever is later. If the Contractor commits default in commencing the execution of the work as aforesaid, Government shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the earnest money & performance guarantee / Security deposit absolutely.

2.2.2. As soon as possible after the Contract is concluded the Contractor shall submit the Time & Progress Chart for each milestone and get it approved by the Department. The Chart shall be prepared in direct relation to the time stated in the Contract documents for completion of items of the works. It shall indicate the forecast of the dates of commencement and completion of various trades of sections of the work and may be amended as necessary by agreement between the Executive Officer and the Contractor within the limitations of time imposed in the contract documents, and further to ensure good progress during the execution of the work, the contractor shall in all cases in which the time allowed for any work, exceeds one month (save for special jobs for which a separate programme has been agreed upon) complete the work as per milestone given in contract data.

2.2.3. In case of delay occurred due to any of the reasons mentioned below, the Contractor shall immediately give notice thereof in writing to the Executive Officer but shall nevertheless use constantly his best uried d to prevent or make good the delay and shall do all that may be reasonably required to the satisfaction of the Engineer-in-Charge to proceed with the works.

i) Force majeure, or

ii) Abnormally bad weather, or

iii) Serious loss or damage by fire, or

iv) Civil commotion, local commotion of workmen, strike or lockout affecting any of the trades employed on the work, or.

- v) Delay on the part of other contractors or tradesmen engaged by Executive Officer in executing work not forming part of the Contract.
- vi) In case a Variation is issued which makes it impossible for Completion to be achieved by the Intended Completion Date without the Contractor taking steps to accelerate the remaining work and which would cause the Contractor to incur additional cost, or
- vii) Any other cause, which, in the absolute discretion of the authority mentioned, in Contract data is beyond the Contractors control.

2.2.4. Request for reschedule and extension of time, to be eligible for consideration, shall be made by the Contractor in writing within fourteen days of the happening of the event causing delay. The Contractor may also, if practicable, indicate in such a request the period for which extension is desired.

2.2.5. In any such case a fair and reasonable extension of time for completion of work may be given. Such extension shall be communicated to the Contractor by the Executive Officer in writing, within 3 months of the date of receipt of such request. Non-application by the contractor for extension of time shall not be a bar for giving a fair and reasonable extension by the Engineer-in-Charge and this shall be binding on the contractor.

### 2.3. Compensation for Delay.

2.3.1. If the contractor fails to maintain the required progress in terms of clause 2 of P-1 Contract or to complete the work and clear the site on or before the contract or extended date of completion, he shall, without prejudice to any other right or remedy available under the law to the Government on account of such breach, pay as agreed compensation the amount calculated at the rates stipulated below as the Executive Officer (whose decision in writing shall be final and binding) may decide on the amount of tendered value of the work for every completed day / month (as applicable) that the progress remains below that specified in Clause 2 of P-1 Contract or that the work remains incomplete.

This will also apply to items or group of items for which a separate period of completion has been specified. Compensation @ 1.5% per month for delay of work.

Provided always that the total amount of compensation for delay to be paid under this condition shall not exceed 5% of the Tendered Value of work.

The amount of compensation may be adjusted or set-off against any sum payable to the Contractor under this or any other contract with the Government. In case, the contractor does not achieve a particular milestone mentioned in contract data, (which is in this case the original work programme furnished by the Contractor and approved by the Executive Officer which formed a part of agreement) or the rescheduled milestone(s) in terms of Clause 2.5 of P-1 Contract, the amount shown against that milestone shall be withheld, to be adjusted against the compensation levied at the final grant of extension of time. Withholding of this amount on failure to achieve a milestone, shall be automatic without any notice to the contractor. However, if the contractor catches up with the progress of work on the subsequent milestone(s), the withheld amount shall be released. In case the contractor fails to make up for the delay in subsequent milestone(s), amount mentioned against each milestone missed subsequently also shall be withheld. However no interest whatsoever shall be payable on such withheld amount.

### 2.4. Bonus for early completion

2.4.1. Amendment to Para 3.5.5 (v) Note – iii of OPWD Code Vol.-I by inclusion  
For availing Incentive Clause in any project which is completed before the stipulated date of completion, subject to other stipulations it is mandatory on the part of the concerned Superintending Engineer to report the actual date of completion of the project as soon as possible through Fax or e-mail so that the report is received within 7 (seven) days of such completion by the concerned Executive Officer.

The incentive for timely completion should be on a graduated scale of 1 (one) percent to 5 (five) percent of the contract value. Assessment of incentives may be worked out for earlier completion of work in all respect in the following scale.

- Before 30% of contract period =5% of Contract Value
- Before 20% to 30% of the contract period = 4% of contract value.
- Before 10% to 20% of the contract period = 3 % of contract value.
- Before 5% to 10% of the contract period = 2% of contract value.
- Before 5% of the contract period = 1% of contract value.

The amount of bonus, if payable shall be paid along with final bill after completion of work.

### 2.5 Management Meetings.

2.5.1. Either the Engineer or the Contractor may require the other to attend a management meeting. The business of a management meeting shall be to review the plans for remaining work and to deal with matters raised in accordance with the early warning procedure.

2.5.2. The Engineer shall record the business of management meetings and is to provide copies of his record to those attending the meeting and to the Employer. The responsibility of the parties for actions to be taken to be decided by the Engineer either at the management meeting or after the management meeting and stated in writing to all who attended the meeting.

#### Clause-2 (b) of Percentage Rate P-1 Agreement: - Rescission of Contract (Amendment as per letter No.10639 dt.27.05.2005 of Works Department, Odisha ):-

To rescind the contract (of which rescission notice in writing to the contractor under the hand of the Executive Officer shall be conclusive evidence), 20% of the value of left over work will be realised from the contractor as penalty.

123. 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

- 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.

**124. Grant of Concession (s) to Scheduled Cast and Scheduled Tribe Contractor (Amendment Government of Works Department Resolution No-16262 dt.30.10.2018)**

Government have extended certain concessions to the scheduled caste and Scheduled Tribe Contractors regarding award of P.W.D. Works vide Resolution No.27748/W dt.11.10.1977. On the basis of the recommendation of Codes Revision Committee, it has now been decided to modify the aforesaid Resolution and allow the following facilities to the Individual scheduled Caste and Scheduled Tribe contractors for execution of P.W.D. Works.

1. The Scheduled caste and scheduled Tribe applicants desirous of enrolling themselves as contractors are required to deposit 50% of the amount specified for various Classes of contractors under Rule-7 of Appendix-VIII (P.W.D. Contractors' Registration Rules, 1967) of O.P.W.D. Code, Volume-II.
2. The concessions / facilities for 10% Purchase Preference shall be allowed only to the individual registered contractors belonging to Scheduled Caste and Scheduled Tribe having Registration Certificate up to "B" Class.
3. If the Tender of the individual registered contractors belonging to scheduled caste and Scheduled Tribe is within 10% of the rate quoted by the lowest tenderer for any work, the work may be considered for award to him / her at the lowest tendered rate in relaxation of Rule-18 of Odisha General Financial Rules (O G F R) Volume-I and Para-3.5.14 of O.P.W.D. Code Volume-I
4. The Security Deposit (Earnest Money, initial 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 (PWD Contractors' Registration Rules, 1967) of O.P.W.D. Code, Volume-II.
5. The above concession will take effect from the date of issue of this Resolution.
6. This order shall supersede Works Department resolution no-27748/W dt.11.10.1977.
7. This has been concurred in by the finance department vide their U.O.R.No.92 MF-I dt 09.10.2018.

**125. Amendment of Codal / Contractual provision vide Govt. in Works Department office memorandum No-18138 dt.05.12.2018)**

After careful consideration Government have been pleased to decide to collect Earnest Money Deposit (EMD) @ 1% uniformly from the bidders while participating in tenders and to delete the provision for furnishing of additional EMD / Bid Security @ 1%. In case, the contractor processes to engage machineries and equipments as asked for in the tender document owned or hired but deployed outside the state, as contained in clause-XV of Works Department Office Memorandum No-22348/W dt.19.11.2005.

**126. EIGIBILITY CRITERIA: -**

To be eligible for qualification, applicants shall furnish the followings.

- a. Required **E.M.D (Bid Security)** as per the **Clause No.06** and **Cost of Bid document as per Clause No.04 failing which bid is liable for rejection.**
- b. Scanned Copy of valid Contractor's Registration Certificate, valid VAT clearance certificate, GST Registration Number / Clearance Certificate, PAN card along with the tender documents as per **Clause No.09.**
- c. **Information regarding - (i) Evidence of ownership of principal machineries / equipments in Schedule-C as per Annexure-I of Schedule-C (ii) Annexure-III of Schedule-C & (iii) Annexure-IV of Schedule-C if required as per Clause No.12. Scanned copies of all documents are to be furnished with the bid.**
- d. Information in scanned copy regarding current litigation, debarring / expelling of the applicant or abandonment of work by the applicant in **Schedule-E** in the DTCN prescribed format and **affidavit to that effect including authentication of tender documents and Bank guarantee in Schedule-F** in the DTCN prescribed format as per **clause 13.**
- e. Submission of original bid security and tender paper cost as prescribed in the relevant clause of DTCN after last date and time of submission of bid but before the stipulated date & time for opening of the bid.
- f. Submission of the required information on his/their **available bid capacity** at the expected time of bidding as per **Clause 14. (Schedule-G)** The report showing the value of existing commitments and ongoing works for each of the works should be filled up by the tenderer and certificate(s) of each work should be from the Engineer-in-Charge(s) not below the rank of Executive Engineer/Superintending Engineer, which is mandatory. If it is **NIL**, then Nil report signed by the tenderer must be furnished in this regard failing which the **bid is liable for rejection** as mentioned in Check list.
- g. Information regarding experience in similar nature of works (building work) in **Schedule-D1** and list of works in progress in **Schedule-D2** as per Clause No.16 with scanned copy of experience certificate issued by the Engineer-in-Charge not below the rank of Executive Engineer.
- h. Qualifying criteria for **Similar nature of work** (building work) (**Schedule-H**) as per Clause No.16. (Given in Contract Data) **failing which the bid is liable for rejection.**
- i. Qualifying the criteria in case of **Composite** tender should enter into an M.O.U. (**Memorandum of Understanding duly notarised**) for the work with eligible Registered Electrical Contractors having valid H.T. /L.T. / M.V. license for execution of electrical installation and other electrical works and a copy of such M.O.U. (duly registered through Notary) should be attached with the Tender as per the format at **Schedule-I** as per **Clause No.07.**
- j. **No Relation Certificate in Schedule-A** should be furnished as per Clause No.15 of the DTCN.

- K. The 'Online bidder' shall digitally sign on all statements, documents, certificates uploaded by him as per clause no 3.17 of the DTCN.
- L. Up to date GSTR filing copy in shape of the form of GSTR-3B for the month of Feb-2026.
- M. Copy of Electrical license(MV/HT) joint venture allowed.
- N. Balance sheet, Profit loss account for last three financial year.(2022-23,2023-24,2024-25) duly certified by the Chartered accountant.
- O. Copy of Annual turn over during last five years i.e. 2020-21,2021-22,2022-23,2023-24 &2024-25 duly certified by the Chartered accountant amounting to rupees Ten Crore or more.
- The bidder who meets the above minimum eligible criteria shall be qualified.

**Total: - 126 (One Hundred Twenty Six) Clauses only –**

**Special Condition:**

- ❖ All reinforcement steel and structural steel shall be procured from primary producers of steel- SAIL/RINL/TATA/JINDAL STEEL/ SHYAM STEEL.

*In case of exigency, other brands (primary producers) of steel may be used with proper justification and prior approval of competent authority satisfying the tests as required by BIS's Code.*

*The Cement of the companies having their own manufacturing units in the State of Odisha is to be used in all works.*

**TECHNICAL SPECIFICATION OF CIVIL PORTION OF WORK**

Materials of following specification are to be used in work. The Tenderer are expected to possess and be well conversant with the following IS standard and code of practice.

1.	Cement	Will be as per I.S. 269/455 (However the grade of cement to be selected by the Engineer-in-Charge of work and complex cube test before commencement of work in each batch).
2.	Steel	I.S. 2062 and IS: 1786 (SAIL / TATA/ JINDAL STEEL/ SHYAM STEEL. Make)
3.	Vibrator	I.S. 7246
4.	Aggregate	I.S. 383, I.S. 515
5.	Water for mixing and curing	Shall be clean, free from injurious amount of oil, salt, acid, vegetable materials and other substances and harmful to concrete in conformity to I.S. 456 and I.S. 3025.
6.	Sand / Fine Aggregate	I.S. 2116, 383
7.	Binding wire	I.S. 280 (galvanised minimum 1 mm)
8.	Rain water pipe	I.S. 2527B
9.	Construction joints	I.S. 3414
10.	Steel Window Frame	I.S. 1038/83
11.	Steel Door Frame	I.S. 4351/75
12.	Fitting & Fixtures for journey works	Conforming to I.S. 7452/82 strictly conform to I.S. specification and as per direction of Engineer-in-Charge.

**Note :** For road work (Approach Road) specification as per road and bridges (latest edition) published by I.R.C & M.O.R.T.&.H. shall be followed. In case of any doubt and absence of provision, regarding specification I.S. shall be referred (Indian standard).

## ITEM OF WORK

1. Concrete shall be with conformity to I.S.456.
2. Foundation shall be with conformity to I.S.1080.
3. Stone masonry (R.R.) shall be with conformity to I.S.1597 (Part-I)
4. C.R. Masonry shall be with conformity to I.S.1597.
5. Brick masonry shall be with conformity to I.S.2212.
6. Cement plastering shall be with conformity to I.S.9103 & 6925.
7. Mortar shall be with conformity to I.S.2250
8. White and colour washing shall be with conformity to I.S.6278.
9. CC in foundation shall be with conformity to I.S.2571.
10. Anti-Termite Treatment shall be with conformity to I.S.6813. (Part – I & Part – II)
11. Painting to all surfaces shall be with conformity to I.S.2395 (Part – I & Part – II)
12. DPC shall be with conformity to I.S.3067
13. Tarfelt treatment shall be with conformity to I.S.1346
14. Mosaic flooring with conformity to I.S.2114
15. Steel painting shall be with conformity to I.S.1477 (Part – I & Part – II) I.S.1661

## PART-II (E.I.)

### TECHNICAL SPECIFICATION OF ELECTRIFICATION INSTALLATION WORKS

**Name of the work:-** “CONSTRUCTION OF G+2 MARKET COMPLEX AT MANDAL BAZAR IN W.N-25 UNDER BALASORE MUNICIPALITY”. The details of internal wiring, the position of fittings, fans, switches and plug sockets etc. are indicated in the layout drawings. The position of light fittings, fans, switchboards etc. indicated in these drawings are only for the guidance of the supplier and the actual position of these shall be mutually decided between the supplier and the purchaser. The supplier shall submit the purchaser of his consideration and approval all runs of wiring and the exact position of all the points and the switch boxes first marked on the points buildings.

All internal wiring shall be done in conformity to the latest Indian standard specification/Rules, code of practice adopted by CPWD and other standard practices prevalent in the part of the country. For the purpose of the specification the terminology used shall be as defined in IS:732 and IS:1356 of the definition of points wiring. The installation shall be carried out in conformity to all requirements of IE Act, 1910 and IE Rules 1956.

- a) Ceiling rose in (in case of ceiling and exhaust fan).
- b) Ceiling rose or connector ( in case of pendants except stiff pendant points)
- c) Bank plate (in case of stiff pendant).
- d) Socket outlet (in case of socket outlet points)
- e) Lamps holder (in case of wall Bracket, batten holder bulk head fitting and similar other fittings)
- f) Call bell / buzzer (in case words ‘via’ the switch shall be read ‘via’ the ceiling rose / socket outlet for bell push, where no ceiling rose / socket outlet its provided.

The following shall be deemed to be included in the point wiring

127. Switch and ceiling rose are required
128. In case of wall brackets, bulk head fittings, cables as required up to the lamp holders]
129. Bushed conduit for porcelain tubing where cables pass through walls.
130. All wood or metal blocks, boards and boxes, R.J. Boxes sunks or surface type including those required for fan regulator but excluding those under the distribution board and main control switch.
131. Earth wire from 3 pin socket point to the common earth including connection to the earth dolly.
132. Earth wire of 18SWG/H.D.B.C. wire for loop earthing of the fixture
133. All fixing accessories such as clips, nails, screw, plug, rawl plug, wooden plug, round blocks etc. As required
134. Joint for junction boxes and connecting the same as required
135. Connections to ceiling rose or connection socket outlet, lamp holders, switch , fan regulators etc

The point wiring in case of fan and light points shall mean the distance between the control switch and ceiling rose, connect or back plate, socket outlet or lamp holder depending upon the fittings measured along the runs of wiring irrespective of the number of wires in run. In the case of socket outlet points, the length shall mean the distance between the socket outlet and the tapping point of live wire on the nearest switchboard or junction box, as the case may be.

In the case of exclusive socket outlet circuits wired on ‘Joint Box’ system of wiring, any junction provided for extending the wiring beyond the point referred to, shall be treated as the nearest tapping point. In case of call bell / buzzer points the length shall mean the distance between the call bell and the ceiling rose / socket outlet or the bell push (when

the ceiling rose / socket outlet is not used).

Sub main shall include the earth wire of adequate size main distribution Board up to sub distribution board B.B. such wiring has been classified on the basis of length. For the internal lighting, either surface conduct wiring system or recessed conduit or batten wiring system shall be provided as specific in the bill of quantities and working drawings.

### **Conduit wiring**

For recessed conduit wiring system the conduit shall be placed in the ceiling / columns etc. Before the casting of the slab or column. The conduit pipes shall be properly positioned and fixed so that it will not be displaced at the time of concreting. The junction boxes provided shall be so arranged that its cover will be flushed with the finished surface of the ceiling or column.

For placing the conduits in the walls, chases of ample dimension shall be made neatly to fix the conduit in a desired manner. The conduit pipe shall be fixed by means of staple or saddles not more than 600mm apart. Fixing of standard bends or elbows shall be avoided and all curves maintained by bending the conduit itself with a long radius will permit easy drawing of the conductors. Suitable inspection boxes shall be provided to permit periodical inspection and removal or replacement of wires if necessary. There shall be mounted flush with the wall with holes in the cover of the box.

The switch or regulator box shall be made of metal on all sides except on the front where backlight sheet or Perspex cover painted to match the colours of the wall shall be used in case of surface wiring system. For recessed wiring system, these boxes shall be made flush with the conduit of each conduit or section shall be completed before conductors are drawn in. The entire system of conduit after installation shall be tested for mechanical strength and electrical continuity throughout the earthing of the entire installation shall be carried out in accordance with I.E. Rules and standards.

The number of wires drawn in the conduits shall not exceed the numbers those specified in Indian standard specification No.732.

### **Main and Sub distribution Boards:**

The position of main boards for lighting and sub distribution board for different buildings are approximate and the exact location shall be given to the successful tenderer at the time of installation.

The scope of this specification includes installation of the panel boards and distribution boards and making necessary connections. The installation of the boards shall be done strictly in accordance with the details supplied with the specifications; the instructions supplied by the switchgear manufacturer, Indian standard specifications and H.E. Rules.

The supplier shall submit the details of installations to the purchaser for his consideration and approval, prior to installation.

When the switchboards are wall / column mounted top, they shall, be mounted on a suitable angle iron framework. All the metal supports etc. Shall be protected against corrosion. The mounting height for such switchboards shall be such that it can be conveniently operated.

### **Earthing**

Earthing shall generally be carried out in accordance with the requirements of Indian Electricity Rules and the relevant rules and regulations of electrical supply authorities. The complete earthing work for the installation covered by this specifications shall also be provided taking into account Indian Standard Specification No.IS:732 and IS:3043. The earthing system adopted shall also have adequate mechanical strength.

The work shall include earthing of non current carrying metallic parts of all the equipment, light fittings, conduit pipes, cable and cable supports and earth strips ( the design to be approved by the purchaser) and all the inter connection between the earthing system to a value mutually agreed upon between the purchasers and the supplier.

### **Installation, testing and Commissioning:**

The supplier shall be responsible for the installation testing the commissioning of all the equipment and materials supplied by him against this specification. This shall also include the provision of miscellaneous wiring and supports and earthing in compliance with Indian Electricity rules and to the full satisfaction of the Government Electrical Inspector. All small items such as clamps, bolts, nuts, racks, supports, miscellaneous wiring etc. Required to make the installation complete, shall constitute the part of major items specified in the bill of quantities and the tenderer should quote for each item taking these into consideration.

The responsibility of the supplier shall include receiving all the equipment and materials at site, storage for required period, handling the same at the site of erection, final execution , erections, revisions of equipment, if any, testing and commissioning and handing over the installation complete in all respect to the entire satisfaction of the purchaser's authorized representative. The supplier shall make good of all the damaged equipment and materials during this period at his own expense.

The supplier shall submit sample of each and every equipment and materials for the final approval of the purchaser's representatives immediately after the acceptance of offer. All the equipments and materials shall be supplied exactly as per to the approved samples. If at any stage the purchaser brings to the notice of the supplier any discrepancy or defect the supplier shall replace the same at his own expense.

The supplier shall render all reasonable assistance to the purchaser in getting the installation approved by the Government Electrical Inspector prior to the energisation and supply necessary drawings, test certificates and both for tests carried out at the factory and site as well as the tests which the inspector may demand. In case any addition of alternations are required, to be made in the installation or in the equipment as per the directive of the Government Electrical Inspector / Local Authorities, the same will have to be carried out by the supplier , at his own expense.

The position of light fittings, main board, switches, sockets and routes of pipes and cables shown in the drawings are only indicative. The actual position of these shall be decided at site at the time of execution joints by the supplier and the purchaser's authorized representative. The position of light fittings, pipes and board if required, to be changed / shifted due to the change in the building design etc by the purchaser's authorized representative, the same shall be carried out at no extra cost.

All the materials supplied to the contractor according to the Contract condition will be subject to inspection and approval of the officer or his representative from time to time. The contractor will provide all facilities of such inspections free of cost. At the time of inspection, the owner or his representative will have full liberty to reject any such materials, which does not conform to the specification / requirement. No claim for any rejected materials will be entertained by the owner. The contractor will remove all rejected materials from site at his own cost.

No surplus materials procured by the contractor will be accepted by the owner.

The contractor will be responsible to get the Electric installations cleared by the Electrical Inspector of Odisha Government.

Only the inspection fee will be reimbursed by Department on production of challan copy.

#### **Installation and Maintenance Tools:**

The supplier along with the tender shall furnish a complete list of tools, appliances and accessories required for the installations of switch gear, light fittings, pipes cables and wires.

#### **Drawings:**

All drawings, test certificates, instructions manuals etc. Shall be in English Language and all dimensions and weights shall be in metric units.

The tenderer shall submit with the tender general arrangement drawings for the installations work, typical methods and cabling and cables supports pipe work and pipe supports, typical methods of earthing and fixing of light fittings earthing etc. As offered by him in the tender.

The contractor shall submit for the purchaser's approval all layout, the general arrangement drawings as well as the typical details of all types of installation work in three sets before commencing the manufacture and the site installations work well in advance so that the site work shall not suffer.

After obtaining approval of the above drawings the contractor shall supply three sets of the following drawings:

- (a) The arrangement and support of conduit pipe
- (b) The position of light fittings, switches / plug socket and switch boards
- (c) Earthing installations
- (d) Layout plan showing the entire cable network

On completion of work, the successful tenderer shall supply one set of tracing in transparent linen and five sets of prints of all drawings incorporating all the changes / modifications affected during the execution of the contract. All wiring diagrams shall indicate clearly, the switch board, the runs of main and sub main wiring and the position of all the points with their controls. All the circuits shall be clearly indicated and numbered in accordance with IS:375.

The technical literatures and operating instructions and the maintenance manuals shall also be supplied in triplicate to the purchasers after the completion of the installations work.

#### **Test:**

Manufactures standard tests in accordance with Indian Standard and other standards, adopted shall be carried out on all the equipment and accessories covered by this specification so as to ensure efficient and satisfactory performances of all the components and also the equipment as a whole under working conditions at site. The tenderer shall submit a complete list of all such tests. If the purchaser, if so desired for special tests, to be carried out, under certain conditions the same shall be made by the successful tenderer at his own expenses.

All equipment shall be tested at site before the commissioning in accordance with the adopted standard and Indian Electricity Rules. Voltage test shall be carried out on each circuit on completion of wiring and cabling.

#### **Technical Data:**

The tenderers shall submit with their tender all such technical data, which are required for complete evaluation of the equipment offered. The suppliers shall give complete technical information of the equipment as detailed in Annexure and relevant Indian standards. The tenderer should supply such details of all equipment and materials offered specially with regard to the following.

- a) Fuse switch board and distribution boards
- b) Light fittings
- c) Conduits and the accessories for them
- d) Switches / plug sockets
- e) Cable and wires

The tender shall give along with his tender the following details:

- a) Complete details of earthing electrodes, earthing station and earthing conductors
- b) Details of conduit supports
- c) Details of all the equipment and accessories to be supplied

#### **Exception to Specifications:**

The object of this specification is to have all tenderers quote for equivalent materials and workmanship. It is, however, understood that certain manufacturers may not be able to offer as specified in every case, where the tenderer may find it necessary to deviate from the exact letter and not the intent of the specification, he must specifically state what these deviations may be at the time he submits the tender. All deviations must be grouped in one statement.

No deviations other than those included in the tender will be permitted. These deviations should be listed as per Annexure.

#### **PVC insulated Cables and Wires:**

For 415V Distribution system, cables of voltage grade not less than 1000V shall be used. These cables shall be heavy-duty class, PVC insulated and PVC sheathed with aluminium conductors. The wires used in the lighting installation shall be PVC insulated and sheathed in case of conduits wiring and of 660V grade. Wires of different colours shall be made use of for quick identification of phase wire / neutral wire etc. All cable of wires shall comply with the requirements

regarding the manufacture and testing etc as specified in India Standard Specification IS:1554 and IS:694.

The length of cables indicated in the bill of quantities and drawings are only indicative and the successful tenderer will be paid for the exact length of cables laid at site. No joint shall be allowed in a run of cables, which can be covered by a possible drum length of cables.

Fuse switch / switch fuse shall be metal clad dust and vermin proof suitable for use under climatic conditions prevailing at site. Switch fuse / fuse switch units shall comply in general to IS:1567/4064 with regard to design and constructional / features.

The 'ON' and 'OFF' position of the switch handles shall be distinctly indicated and interlocks shall be provided to ensure that the switch cover cannot be opened unless the switch is in the 'OFF' position. Means shall, however, be provided for releasing the interlock to permit closing of switch with cover open for testing purposes. Designs with normal conventional position of switch handles, i.e. with switch handle up in the 'ON' position and down in the 'OFF' position shall be preferred. All live parts inside the switch shall be properly surrounded and inter phase barrier shall be provided.

Switch fuse / fuse switch units, distribution boards shall be provided with necessary metal frame work so that they can be mounted on wall / columns structure etc. As desired. The panel boards, shall be wall mounted type or floor mounted type as specified in the bill of quantities or drawings. Necessary supporting metal frame of approved design shall be provided for all panel boards.

The arrangements of work boards shall be such that the operational handle of the top mounted switches are within the convenient of operators (about 1.2 M from the finished floor level) and proper space shall be provided for the termination of the cable in the switches provided below the bus-bars.

The bus-bars within the bus-bar chamber shall be liberally spaced for taking the riser connection. The bus bars with aluminium conductors shall be provided and PVC sleeves of different colour shall be mounted on them for easy identification, Clamped joints for taking the riser connections, instead of bolted type shall be preferred.

Two bolted type earthing terminals shall be provided on the switch boards. All individual switches shall be connected with suitable size earth wire to the main earthing terminals of the switchboard.

Hanger Board and shock treatment / charts shall be supplied wherever required.

At the incoming side of each pen phase, 3-neon type indicating lamps should be provided at the main board.

### **Switches and Plug Sockets**

Switches provided for control of light points shall conform to IS:1087 and shall be rated for 5A/15A 250V

### **Ceiling Fans and Exhaust Fans:**

Ceiling fans shall conform to Indian standard specification IS: 374-1960. The fans shall be supplied with all standard accessories like regulator and capacitors etc.

The performances rating of the propeller fans shall in accordance with stipulations of IS:2312. All fans shall be robust in design and construction and shall be supplied complete with wall brackets / clamps etc.

### **Fluorescent Fittings:**

All fluorescent fittings supplied shall conform in general to IS:1913 and shall be complete with all standard accessories like choke, starter and capacitor etc

The type of enclosure provided for the fittings shall be of that specified in the bill of quantities and the working drawings. The materials of construction for fittings used for outdoor installations and for use in the work anodes shall be such that they shall withstand the atmospheric condition in that area.

Lamp holders used shall be fully shock proof, spring-loaded rotary type to ensure positive lamp locking. It should also be not possible to touch live parts of the lamp holder both after the lamp has been taken out and during the insertion or removal of the lamp. The starters shall be designed to give designed starting characteristics that shall promote full lamp life. Starter shall have high mechanical strength and topic proof construction. It should be incorporated with radio suppression capacitor of adequate rating and capacity. Power factor improvement capacitors are provided with hermetically sealed housing to ensure long and trouble free service. Terminal soldering tango shall be provided for easy electrical connections. The capacitors in general shall conform to IS:1569-1963 and P.F improvement up to 0.95 for twin fluorescent light fittings and 0.9 for single fluorescent light fittings is to be maintained.

The ballast provided in the fluorescent fittings shall generally be in accordance to IS:1534.

The ballast should incorporate the following design features.

#### **136. Low working temperature**

- ii) Correct pre heating current for the electrodes
- iii) Proper wave foam
- iv) Small in dimensions
- v) Correct power supply to the lamp
- vi) No hum.

#### **137. Easy connection leads.**

All the metal construction of the fittings shall be such that they shall:

- 1) Withstand the atmospheric condition prevailing in the area
- 2) Provide maximum mechanical protection to the tubes and fittings accessories. Assists in maximum and uniform light distribution.

All fittings shall be provided complete with fluorescent lamps. All lamps shall conform to IS:2418.

### **Incandescent Fittings:**

The incandescent fittings shall be supplied strictly as per the details given in the enclosed annexure and bill of quantities, deviation if any regarding designs, construction of materials should be specified clearly.

All the metal parts used in construction of the fittings shall have no effect due to dust / fumes / gases likely to exist in the atmosphere. All the bolts, clamps, nuts and guard wire etc shall be galvanized.

The wall fittings shall be provided with necessary hooks / clamps / supports etc for fixing the light fittings on wall / ceiling etc as detailed in the bill of quantities and the working drawings.

Light fittings shall be suitable for connection with 19mm dia. Conduit pipe as required. If fittings are to be connected through PVC cables, glands of adequate size and capacity shall be provided.

The lamp holders provided in the fittings shall conform to IS:1528.

### **CODES**

Codes shall mean the following including the latest ascendants and / or replacement if any.

- a) Indian Boiler Act, 1923 and Rules and Regulations made there under
- b) Indian Electricity Act, 1923 and Rules and Regulations made there under
- c) Indian Factories Act, 1948 and Rules and Regulations made there under
- d) The minimum wages Act
- e) The Women's Compensation Act
- f) The Payment of Wages Act
- g) The Fatal Accident Act
- h) The Industrial Employment Act
- i) The Employment provident Fund Act
- j) Indian Explosive Act 1984 the Rules and Regulations made there under
- k) Indian Petroleum Act 1934, and Rules and Regulations made there under
- l) A.S.M.E. Test Codes
- m) AIRE Test, Codes
- n) American Society of Materials Testing Codes
- o) Standards of the Indian Standards Institution
  - 1) Low Tension Circuit Breakers : IS 2516-1955 Part I Sec.1
  - 2) Switchgear Bus Bars IS 375-1963
  - 3) HRC fuse links IS 2208-1962
  - 4) Distribution fuse boards IS2675-1966
  - 5) Enclosure for Low Voltage switchgear IS214701962
  - 6) PVC Cables IS1554-1975
  - 7) Tabular fluorescent lamps for Cameral lighting service IS2418-1963
  - 8) Tungsten Filament Lamps for cameral service IS415-1963
  - 9) Ceiling Fans IS274-1966
  - 10) Flood lights IS1947-1961
  - 11) Wall Glass flame-proof electric light fittings IS2206-1962 (Part 1)
  - 12) Water Tight Electric Light Fittings IS3553-1956
  - 13) Steel Boxes for Enclosure of Electrical Accessories IS5133-1969
  - 14) Fittings for Rigid Steel conduit IS2667-1979
  - 15) Rigid steel circuits for electrical wiring IS3837-1966
  - 16) Accessories for Rigid Steel Conduits for Electrical Wiring IS3837-1966
  - 17) Switch Socket Outlets IS3837-1966
  - 18) PVC Wiring IS694-1977
  - 19) Switches for domestic and similar purpose IS3854-1966
  - 20) PVC wiring IS694-1977
  - 21) Call Bell and Buzzers IS2268-1966
  - 22) Straight through joint boxes and leads sleeves or paper insulated cables- EID-0032-1964
  - 23) Earthing IS3043-1966
  - 24) Electrical Wiring installations IS732-1963
  - 25) Switchgear IS3072-1965(Part I)
  - 26) Lighting protection IS2309 -1969
  - 27) Public Address system IS1882-1962
  - 28) Low Tension switch use units IS4064-1978
  - 29) Code of Practice for Automatic FIRE ALAM system IS2189-1970
  - 30) Specification for Heat Sensitive Fire Detectors IS2175-1977
  - 31) Guide for Safety procedure in Electric work IS5216-1969
  - 32) Rubber Mats for Electric works IS5424-1969
- p) Other internationally approved standards and / or Rules and Regulations touching the subject matter of the contract

## **GENERAL CONDITIONS**

### **138. Drawings & Specifications**

The Contractor, after the award of the contract and on signing the agreement shall be furnished free of cost two copies of each of the drawings specifications, descriptive schedules and other details necessary for execution of the work. All further drawings and details as may be prepared by the department from time to time for reasonable development of the work described in the contract documents and reasonably necessary to explain and amplify the contract drawings and to enable the contractor to execute and complete the work shall also be supplied in duplicate to contractor free of cost.

Any further copies of such drawings, required by the contractor shall be paid for by him.

The contractor shall keep one copy of all the drawings specifications, price schedule of items and quantities at work site and the Engineer-in-charge or his authorized representative shall at all reasonable times have access to the same.

### **2. Contractor's Responsibility.**

a) The contractor shall provide at his cost everything necessary for the proper execution of the works according to the intend and meaning of the drawings, schedule of items and quantities and specifications taken together, if the same is not particularly shown or described therein, provided that the same can reasonably be inferred there from, if the Contractor finds any discrepancy in the drawings or between the drawing and schedule of quantities and specifications, he shall immediately in writing refer the same to the Engineer-in-charge whose decision shall be final & binding.

b) Any work done at any time or even before receipt of such details shall be removed/replaced by the contractor without any expense to the department If the work is not in order and if so directed by the Executive Officer error inconsistencies in drawings and local conditions affecting the works shall be brought to the notice of the Executive Officer immediately for his decision.

All drawings, bill of quantities and specifications and copies therefore furnished by the department, are their property. They shall not be used on any other work and shall be returned to the Department on request on completion and before issue of final certificate or termination of the contract.

c) All materials and workmanship shall be of the respect kinds described in the specification. B.O.Q, contract and in accordance with the instruction of the Executive Officer. The contractor must satisfy himself about the same while furnishing samples for approval of the Executive Officer before incorporation in the works.

d) The Engineer-in-charge may from time to time cause at his discretion such tests on samples of materials or workmanship of all/any materials and work, as he may consider necessary at places of manufacture, fabrication, on the site or at such other places. The expenditure incurred for all such tests shall be borne by the contractor.

e) All approved samples are to be preserved by the contractor in a regular manner in the site office for inspection and verification of the Executive Officer or his representative from time to time.

#### **g) Alteration / Addition & Omissions**

The Engineer-in-charge shall make any variation of the form, quality or quantity of the works or any part thereof that may be in his opinion be necessary and for that purpose or if for any, other reason it shall, in his opinion be desirable, he shall have power to order the Contractor to do so and the Contractor shall do any or allot followings : .

a) Increase or decrease the quantity of any work included in the contract.

b) Omit any such work.

c) Change the levels, lines, position and dimensions of any part of the works, and

d) Execute additional works of any kind necessary for the completion of the work.

No such variation shall in any way radiate or invalidate the contract, but the value of all such variations shall be taken into account and shall be added to or deducted from the contract sum accordingly, but no such variation shall be made by the contractor without prior written instruction from the Executive officer.

**139.** The Schedule of quantities/rates shall be deemed to have been prepared and included in accordance with the method of measurement of work set out and as per the relevant specifications or

in its absence relevant I.S. code of practice.

Any error in the specification or in quantity or omission of any item from the schedule of quantities/ rates shall not deviate the contract, but be adjusted by adding to or deduction from the contract sum provided that no rectification of errors, if any, shall be allowed in the contract schedule of rates.

#### **4. Valuation of variations**

- a) All extra or additional work done or work omitted shall be valued at the rates and price set out in the prices schedule of quantities, and/or derived there-from, if in-arriving at the contract sum, the Contractor have added to or deducted from the total of the items in the tender any sum either as a percentage or proportion, then the same percentage of proportion shall apply to all. Items or works in the prices schedule as also for valuation of variation.
- b) If the contract does not contain any rate or price applicable to the extra or additional work, or the rate or price in the priced schedule of quantities has become inapplicable in the opinion of the Engineer-in-charge by virtues of such addition or omission, then suitable rates or price shall be agreed such rates shall be derived by analysis based on standard schedule of rates of State P.W.D. / P.H.D or in case such is not available therein, form any approved schedule with the various elements valued at local market price plus **10 (ten)** percent towards over-heads.

#### **5. The Offers are also to include**

- a) To supply all materials, labour, supervision, services, supports, scaffoldings, approach road, construction equipments, tools and plants etc., as required for proper execution of all the items of the work as per drawing and specification.
  - b) To provide all incidental items not shown or specified in particular, but reasonable or necessary for successful completion of the work in accordance with the drawings, specifications and schedule of quantities.
  - c) Cleaning, Uprooting the stumps, vegetation and old masonry etc., met in the trenches and excavations.
  - d) Providing shoring and shuttering to avoid sliding of the soils and removal of the same or completion.
  - e) De-watering as required and directed.
  - f) Excavation at all depths (Unless otherwise mentioned in schedule), stacking separately usable and disposal of surface earth and materials from site as directed.
  - g) Curing of ail concrete and cement works as per specification and direction,
  - h) Centring, shuttering as required for all concrete work.
  - i) Bending, binding, tying the grill & placing in position, including supply of all materials & labour etc.
  - j) To provide water and power required for construction testing and commissioning,
- 140.** Testing of materials and works as per specification and direction

**SCHEDULE-A**

**CERTIFICATE OF NO RELATIONSHIP**

I/We hereby certify that I/We\* am/are\* **related/not related** (\*) to any officer of P.W.D of the rank of Assistant Engineer & above and any officer of the rank of Assistant / Under Secretary and above of the Works Department, Govt. Of Odisha I/We\* am/are\* aware that, if the facts subsequently proved to be false, my/our\* contract will be rescinded with forfeiture of E.M.D and security deposit and I/We\* shall be liable to make good the loss or damage resulting from such cancellation.

I/We also note that, non-submission of this certificate will render my / our tender liable for rejection.

(\*) - Strike out which is not applicable

**Signature of the Tenderer**

Date:-

**SCHEDULE-B**

**CERTIFICATE OF EMPLOYMENT OF UNEMPLOYED GRADUATE  
ENGINEER / DIPLOMA HOLDERS**

**( for Super class / special class / A class contractors only )**

I / We hereby certify that at present the following Engineering personnel are working with me / in our firm / company and their bio-data are furnished below.

Sl. No.	Name of Engineering personnel appointed for supervising contractor's work with address.	Qualification	Date of Appointment	Monthly emolument	Whether full time engagement and continuous.	If they are superannuated / retired / dismissed or removed personnel from state Govt./ Central Govt ./ Public Sector Undertaking / private Companies and s or any one ineligible for Government service.
1	2	3	4	5	6	7

I / We also note that, non-submission of this certificate will render my / our tender liable for rejection .

**Signature of the tenderer.**

Date :-

**ANNEXURE – I OF SCHEDULE-C****LIST OF PLANT AND EQUIPMENTS TO BE DEPLOYED ON THE CONTACT WORK  
(MINIMUM REQUIREMENT)**

Sl. No.	List of plants and equipments	Requirement	Marks
(i)	Concrete Mixture	2 Nos	20
(ii)	Generator 33 KVA	1 No	10
(iii)	Needle Vibrator	2 Nos	10
(iv)	Plate Vibrator	2 Nos	10
(v)	Truck / Tipper	2 Nos	20
(vi)	Steel Centring & Shuttering materials	500 Sqm	20
(vii)	Hydraulic Excavator	1 No	10
	TOTAL		100

**NOTE:**

- Capacity of each plant and equipment should be as per specification attached separately.
- The above equipment should either be owned or availed on long-term lease extended beyond the duration of the work, the authority of which in either case is to be substantiated before award of the work.
- The equipment mentioned above must be included in Schedule “C” and clearly indicated as “Owned/leased.”
- The above list is not exhaustive. All other machinery/equipments as will be required for satisfactory completion of the work shall have to be deployed by the agency.
- For deploying additional sophisticated machinery by the agency for completion of the work, no claim shall be entertained.

**ANNEXURE – II OF SCHEDULE-C****HIRER CHARGES OF PLANTS AND MACHINERIES**

SI No.	Description			Usage Rates in Rs.	
	Machine	Activity	Output	Unit	Rate
1.	Dozer D-50-A-15	Spreading Cutting Cleaning	200cum/hour 100cum/hour 150cum/hour	Per hour Per hour Per hour	1831.00
2.	Dozer D-80-A-12	Spreading Cutting Cleaning	300cum/hour 150cum/hour 250cum/hour	Per hour Per hour Per hour	2519.00
3.	Motor Grader 3.35meter blade	Clearing Spreading GSB WMM	200cum/hour 200cum/hour 50cum/hour 50cum/hour	Per hour Per hour Per hour Per hour	1545.00
4.	Tractor with ordinary grader			Per hour	289.00
5.	Hydraulic Excavator of 1cum bucket	Soil ordinary Soil Marshy Soil unsuitable	60cum/hour 60cum/hour 60cum/hour	Per hour Per hour Per hour	840.00
6.	Hydraulic Excavator of 2cum bucket	Soil		Per hour	1868.00
7.	Front End loader 1 cum bucket capacity	Soil loading Aggregzate loading	60cum/hour 25cum/hour	Per hour Per hour	520.00
8.	Tipper 5cum	Transportation of soil, GSB, WMM, Hotmix etc.	5.5cum	Per km. Per tonne.km Per hour	24.00 2.50 582.00
9.	Vibratory Roller 8-10 tonne	Earth/soil GSB WMM	100cum/hour 60cum/hour 60cum/hour	Per hour Per hour Per hour	994.00
10.	Smooth wheeled Roller 8-10 tonne	Soil compaction BM compaction	70cum/hour 25cum/hour	Per hour Per hour	339.00
11.	Sheep foot Roller	Soil compaction		Per hour	65.00
12.	Truck mounted water tanker	Water transport	6kL	Per hour	582.00
13.	Tractor	Pulling	50HP	Per hour	231.00
14.	Rotavator	Mixing	25cum/hour	Per hour	11.00
15.	Ripper	Scarifying	60cum/hour	Per hour	18.00

16.	Air compressor	General purpose	170/250cfm	Per hour	206.00
17.	Diesel Compressor		400cfm	Per hour	856.00
18.	Diesel Compressor		300cfm.	Per hour	711.00
19.	Electrical Compressor		500cfm	Per hour	497.00
20.	Wet Mix Plant 60 TPH	Wet Mix	25cum/hour	Per hour	777.00
21.	Wet Mix Plant 75 TPH	Wet Mix	34cum/hour	Per hour	1036.00
22.	Mechanical broom hydraulic	Surface cleaning	1250sqm/hour	Per hour	230.00
23.	Bitumen pressure distributor	Applying bitumen tack coat	1750sqm/hour	Per hour	692.00
24.	Emulsion pressure distributor	Applying emulsion tack coat	1750sqm/hour	Per hour	516.00
25.	Hotmix plant-120 TPH	DBM/BM/SDC/ Premix	40cum/hour	Per hour	15,100.00
26.	Hotmix plant-100 TPH	DBM/BM/SDC/ Premix	30cum/hour	Per hour	11,167.00
27.	Hotmix plant-60 to 90 TPH	DBM/BM/SDC/ Premix	25cum/hour	Per hour	8930.00
28.	Hotmix plant-40 to 60 TPH	DBM/BM/SDC/ Premix	17cum/hour	Per hour	7,150.00
29.	Hotmix plant-8 to 10 TPH	DBM/BM/SDC/ Premix	cum/hour	Per hour	1025.00
30.	Paver finisher Hydrostatic with sensor control 100 TPH	Paving of DBM/BM/SDC/ Premix	40cum/hour	Per hour	1725.00
31.	Paver finisher Mechanical 100 TPH	Paving of WMM /PMC Paving of DLC	40cum/hour 40cum/hour	Per hour Per hour	739.00
32.	Paver finisher Mechanical	Paving of DLC	75cum/hour	Per hour	1846.00
33.	Hydraulic Chips Spreader	Surface dressing	1500sqm/hour	Per hour	1700.00
34.	Tandem Road Roller	Rolling of Asphalt surface	30cum/hour	Per hour	738.00
35.	Pneumatic Road Roller	Rolling of Asphalt surface	25cum/hour	Per hour	802.00
36.	Pothole repair machine	Repair of potholes	4cum/hour	Per hour	585.00
37.	Bitumen boiler oil fired	Bitumen spraying	1500 litre	Per hour	128.00
38.	Tar boiler	Bitumen spraying		Per hour	74.00
39.	GSB plant 50 cum	Producing GSB	40cum/hour	Per hour	670.00
40.	Mastic Cooker	Mastic wearing coat	1 tonne	Per hour	1586.00
41.	Batching and Mixing plant 15-20 cum.	Concrete Mixing	13cum/hour	Per hour	1200.00
42.	Batching and Mixing plant 30 cum.	Concrete Mixing	20cum/hour	Per hour	1440.00
43.	Batching and Mixing plant 112.5 cum.	Concrete Mixing	75cum/hour	Per hour	2760.00
44.	Batching and Mixing plant 262.5 cum.	Concrete Mixing	175cum/hour	Per hour	5160.00
45.	Transit Mixer	Transportation of concrete mix to site.	4.5cum/hour 3cum/hour	Per hour Per hour	600.00 550.00
46.	Grout pump			Per hour	65.00
47.	Concrete pump of 45 & 30 cum	Pumping concrete	33cum/hour 22cum/hour	Per hour	165.00
48.	Pump with 5HP diesel engine	Pumping of Water		Per hour	59.00
49.	Pump with 10HP diesel engine	Pumping of Water		Per hour	108.00
50.	Pump with 20HP diesel engine	Pumping of Water		Per hour	166.00
51.	Pump with 40HP diesel engine	Pumping of Water		Per hour	278.00
52.	Pump with 40HP electrical	Pumping of Water		Per hour	149.00
53.	Pump with 50HP electrical	Pumping of Water		Per hour	182.00
54.	Cranes 80 tonnes	Lifting purpose		Per hour	825.00
55.	Cranes 35 tonnes	Lifting purpose		Per hour	550.00
56.	Cranes 3 tonnes	Lifting purpose		Per hour	230.00
57.	Crawler mounted crane(18T)	Lifting purpose		Per hour	1717.00
58.	Tower Crane	Lifting purpose		Per hour	551.00
59.	Welding	Welding		Per hour	81.00
60.	Gunning machine without compressor			Per hour	91.00
61.	Mechanical Winch(10T)			Per hour	224.00
62.	Power Winch(40HP)			Per hour	220.00

63.	Concrete Bucket	For pouring concrete	1cum	Per hour	10.00
64.	Kerb casting machine	Kerb making	80RM/hour	Per hour	200.00
65.	Concrete Mixer 0.4/0.28 cum 1 cum	Concrete Mixing	2.5cum/hour 7.5cum/hour	Per hour Per hour	177.00
66.	Vibrator(3HP diesel)	Compacting concrete		Per hour	106.00
67.	Piling Rig with Bantonite pump	0.75m dia to 1.2m dia boring attachment	2 to 3RM/hour	Per hour	3525.00
68.	Concrete Paver Finisher with 40HP Motor	Paving of concrete surface	20cum/hour	Per hour	1850.00
69.	Integrated stone crusher	Crushing of spalls Crushing of spalls	100TPH 200 TPH	Per hour	5590.00 11760.00
70.	Stone crusher(electrical)	Crushing of spalls		Per hour	184.00
71.	Crushing & processing plant(electrical)			Per hour	235.00
72.	Concrete paver Finisher with 40HP Motor	Paving of concrete surface	175cum/hour	Per hour	16188.00
73.	Prestressing Jack with Pump & Access	Stressing of steel wires / stand		Per hour	83.00
74.	Generator 100KVA	Generation of Electric Energy	100KVA	Per hour	450.00
75.	Generator 250KVA	Generation of Electric Energy	100KVA	Per hour	1125.00
76.	Generator 33KVA	Generation of Electric Energy	50KVA	Per hour	240.00
77.	Generator 40KVA	Generation of Electric Energy	KVA	Per hour	425.00
78.	Generator 125KVA	Generation of Electric Energy	KVA	Per hour	905.00
79.	Pneumatic Sinking Plant	Pneumatic sinking of wells	1.5 to 2.0 cum/hour	Per hour	2690.00
80.	Truck 5.5cum per 10 tonnes	Material Transport	4.5cum	Per km. Per ton.km. Per hour	20.00 2.00 557.00
81.	Road Marking machine	Road marking	100sqm/hour	Per hour	60.00
82.	Mobile slurry seal equipment	Mixing and laying slurry seal	2700sqm/hour	Per hour	650.00
83.	Wagon drill			Per hour	128.00
84.	Dimond drill			Per hour	338.00
85.	Inwell rings			Per hour	72.00
86.	Jack hammer			Per hour	9.00
87.	Pneumatic rammer			Per hour	13.00
88.	Pusher leg			Per hour	5.00

**CERTIFICATE TO BE ISSUED BY THE EXECUTIVE ENGINEER  
UNDER WHOM THE MACHINERIES / EQUIPMENTS ARE DEPLOYED.  
(Not issued prior to 90 days of receipt of tender)**

Sl. No	Name of the machineries/ equipments	Identification No. / Engine / Chassis No.	Capacity	Year of purchase	Condition (Working / breakdown)	Since when deployed under him	When it is likely to be released from current assignment
1	2	3	4	5	6	7	8

**Certified that,**

1. I have verified the ownership documents with the identification no. Of the Machineries / Equipments.
2. Machines are currently utilized exclusively for the work under the Division.
3. The facts provided are true as on the date of issue of this document to the best of my knowledge.

**EXECUTIVE ENGINEER**

ANNEXURE – IV OF SCHEDULE-C

**TIME SCHEDULE FOR MOVEMENT OF EQUIPMENT / MACHINERIES AVAILABLE WITH THE  
TENDERER  
FROM ONE SITE TO WORK SITE WHEN THE CONTRACTOR IS EXECUTING SEVERAL WORKS**

Sl. No	Name of Equipment & Machineries	Required No.	Name of the work for which Equipment & Machineries deployed	Name of the Division under whose jurisdiction Equipment & Machineries deployed	Name of the place where equipments and machineries deployed.	Time schedule for movement of equipment/ machineries to work site for use in tendered work
(i)	Concrete Mixture	2 Nos				
(ii)	Generator 33 KVA	1 No				
(iii)	Needle Vibrator	2 Nos				
(iv)	Plate Vibrator	2 Nos				
(v)	Truck / Tipper	2 Nos				
(vi)	Steel Centring & shuttering materials	500 Sqm				
(vii)	Hydraulic Excavator	1 No				

Certified that, the above machineries shall be available solely for this work from the date mentioned against them.

**Signature of the tenderer.**

Date :-

PLANT AND EQUIPMENT PROPOSED TO BE EMPLOYED BY THE APPLICANT FOR USE ON  
THE WORK

Sl. No	Name of equipment	Total requirement				Equipment in hand		Equipment to be procured			Whether documentary evidence furnished	Reference to documentary evidence	Remarks
		No. of units	Kind and make	Capacity	No. of each	Year of manufacture and present condition	Present location	No. of each	Capacity	Through lease			
1	2	3	4	5	6	7	8	9	10	11	12	13	14

A. Construction Equipments

B. Vehicle Trucks etc.

Reference Annexure I for list of essential equipments for contracts

1. If leased indicate the date when the current lease expires

**Signature of the tenderer.**

Date :-

**WORKING EXPERIENCE****D-1. LIST OF SIMILAR NATURE OF PROJECTS EXECUTED**

Name of Employer	Name of location and name of work	Contract price in Indian Rupees	Items of works	Date of starting the work as per Agreement	Stipulated date of completion of the work as per Agreement	Actual date of completion of the work	Reasons for delay in starting/ completion, if any
1	2	3	4	5	6	7	8

\*Attach certificate(s) from the Engineer(s)-in-Charge (**Not below the rank of Executive Engineer/Superintending Engineer**)

**Signature of the tenderer.**

Date :-

**SCHEDULE-D2****WORKING EXPERIENCE****D- 2. LIST OF SIMILAR NATURE OF PROJECTS IN PROGRESS**

Name of Employer	Name of location and name of work	Contract price in Indian Rupees	Items of works	Date of starting the work as per Agreement	Stipulated date of completion of the work as per agreement	Revised target date of completion of the work, if any	Reasons for slow progress, if any, with the updated billing amount
1	2	3	4	5	6	7	8

\*Attach certificate(s) from the Engineer(s)-in-Charge (**Not below the rank of Executive Engineer/ Superintending Engineer**)

**Signature of the tenderer.**

Date :-

**INFORMATION REGARDING CURRENT LITIGATION, DEBARRING EXPELLING OF TENDERED  
OR ABANDONMENT OF WORK BY THE TENDERER**

1. a) Is the tenderer currently involved in any litigation relating to the works. Yes / No  
b) If yes: give details:
2. a) Has the tenderer or any of its Constituent partners been debarred /  
expelled by any agency in India during the last 5 years. Yes / No
3. a) Has the tenderer or any of its Constituent partners failed to perform  
on any contract work in India during the last 5 years. Yes / No  
b) If yes, give details:

**Note:**

If any information in this schedule is found to be incorrect or concealed, qualification application will be summararily be rejected.

**Signature of the tenderer .**

Date :-

**AFFIDAVIT**

1. The undersigned do hereby certify that all the statements made in the required attachments are true and correct.
2. The undersigned also hereby certifies that neither **our firm M/s** \_\_\_\_\_ **nor any of its constituent partners / I** have abandoned any road/ bridge/Irrigation /Buildings or other project work in India nor any contract awarded to us / me for such works have been rescinded during the last five years prior to the date of this bid.
3. The undersigned hereby authorised and request (s) any bank, person, firm or Corporation to furnish pertinent information as deemed necessary and as requested by the Department to verify this statement or regarding my (our) competency and general reputation.
4. The undersigned understands and agrees that further qualifying information may be requested and agree to furnish any such information at the request of the Department.

(Signed by an Authorised Officer of the firm or Bidder)

Date:

**SCHEDULE -G****Existing commitments and on-going works:**

Description of works	Place & State	Contract No.	Name & Address of Employer	Value of Contract (Rs. lakh.)	Stipulated Period of Completion	Value of works* remaining to be completed (Rs in lakh)	Anticipated date of completion.
1	2	3	4	5	6	7	8

\*Attach certificate(s) from the Engineer(s)-in-Charge (**Not below the rank of Executive Engineer/Superintending Engineer**)

**Signature of the tenderer.**

Date :-

**SCHEDULE-H****WORKING EXPERIENCE****LIST OF WORKS EXECUTED DURING LAST FIVE YEARS**

Name of Employer	Name of the work and Agreement No.	Contract price in Indian Rupees	Date of starting the work as per Agreement	Stipulated date of completion of the work as per Agreement	Actual date of completion of the work	Financial Year wise value of work executed		Reasons for delay in starting/ completion, if any
						Financial Year	Value of work executed in Indian Rupees	
1	2	3	4	5	6	7a	7b	8

\*Attach certificate(s) from the Engineer(s)-in-Charge (**Not below the rank of Executive Engineer /Superintending Engineer**)

**Signature of the tenderer.**

Date :-

**MEMORANDUM OF UNDERSTANDING**

First Party I Sri/Smt....., Aged .... years, S/O- ....., At / P.O. / Dist-..... (Hereinafter called the First Part)

**AND**

Second Party I Sri/Smt....., Aged .... years, S/O- ....., At / P.O. / Dist-..... (Hereinafter called the Second Part) having H.T. / L.T. license registration No..... valid up to .....

AND WHEREAS the First Party of 1<sup>st</sup> part is the Managing Partner of .....

AND WHEREAS the First Party willing to appoint the Second Party to execute the E.I. portion for the tender work, “.....”

AND WHEREAS the Second Party accepted the offer of First Party.

**NOW THIS DEED OF AGREEMENT WITNESSES AS FOLLOWS;**

- 1) That, the Second Party shall do all E.I. works, if the tender is awarded to First Party.
- 2) That, the Second Party shall fulfill all the E.I. works as per the tender schedule by instruction of Engineer-in-Charge.
- 3) That, the First Party shall receive payment, signing the bill the document for the concerned work.
- 4) That, the Second Party shall abide the rules, regulations and specification of E.I. works of above said matter.

In witness where of both the party have signed in presence of

**WITNESS**

W<sub>1</sub> -

W<sub>2</sub> -

## **BIDDERS CONTACT INFORMATION**

Name of the Bidder : \_\_\_\_\_

Class : \_\_\_\_\_

Address : At- \_\_\_\_\_  
P.O. \_\_\_\_\_  
Dist: - \_\_\_\_\_  
Pin: - \_\_\_\_\_

Telephone No. : \_\_\_\_\_

Mobile No. : \_\_\_\_\_

E-mail Id : \_\_\_\_\_

**Total: - 50 (Fifty) pages only**

**Approved for 50 (Fifty) pages only**

**Sd/-  
Executive officer  
Balasore Municipality**