

GOVERNMENT OF ODISHA

PURI WILDLIFE DIVISION

BID IDENTIFICATION NO-04/2021-2022



DETAILED TENDER CALL NOTICE FOR THE WORK

Sl No.	Name of the work	Estimated Cost
1	Illuminations and internal & External electrical works in Chakratirtha beach, at Puri district.	Rs. 19 lakhs

(ELECTRICAL WORK)

OFFICE OF THE DIVISIONAL FOREST
OFFICER, PURI WILD LIFE DIVISION ,PURI

TECHNICAL BID DOCUMENTS

INDEX

SI No.	CONTENTS	PAGES
1.	Tender Call Notice (TCN)	3 - 4
2.	Check List & Contact Data	5-6
3.	Instruction To Bidder for Off Line	7 - 10
4.	Detailed Tender Call Notice (DTCN)	11 -46
5.	Formats for Schedule-A to F	44-46

**OFFICE OF THE DIVISIONAL FOREST
OFFICE,PURI WILD LIFE DIVISION**

Email: dfopuri@gmail.com

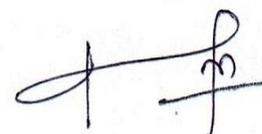
INVITATION FOR BIDS THROUGH OFF LINE

Bid Identification No. TENDER CALL NOTICE NO. 04/2021-2022

1. Divisional forest officer ,Puri wild life division invites percentage bids in **Single Cover** in offline mode for the construction works as detailed in the table, from the class of eligible contractors as mentioned in column – 7 (Seven) registered with the State Government and 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. If successful, the bidder who has not registered under the State Government has to register under the appropriate registering authority of the State Government of Odisha in appropriate class of eligibility before award of the work.
2. The bidders may submit bid for the following works.

Sl. No.	Name of the work.	Approximate value of work (In Rs.)	Concerned T.I.A.	Cost of Bid Document	Class of bidder	Period of completion in months
1	2	3	4	5	6	7
1	Illuminations and internal & External electrical works in Chakratirtha beach, at Puri district..	Rs...19 lakhs	DFO,Puri wild life division,Puri	Rs.6000.00	M.V/H .T License holder	2 (Two Calendar Months)

3. Bid documents consisting of Plans, specifications, the schedule of quantities and the set of terms and condition of contract and other necessary documents can be seen in the website: www.purinic.in.
4. The Bid documents will be available in the website: www.purinic.in From **10.00 AM on dt. 12.10.2021 to 5.00 PM on dt. 28.10.2021** for offline bidding.
5. Deleted.
6. Bids shall be received only 'Off line' on or before **dt. 28.10.2021 up to 5.00 PM.**
7. Bids received off line shall be opened at 11.00 AM on dt. **29.10.2021** in the office of the Divisional forest office,Puri Wild life division in the presence of the bidders who wish to attend. Bidders who participated in the bid can witness the opening of bids. If the office happens to be closed on the last date of sale and receipt of the bids as specified, the bids will be opened on the next working day at the same time and venue.
8. The cost of bid documents, the bidder shall make Payment through Demand Draft in favor of **Divisional Forest Officer ,Puri wild life division,Puri.**
9. The bidder shall have to furnish a **"BID Security declaration"** as per the Office Memorandum No.8943 dtd.18.03.2021 of Finance Department, Government of Odisha in lieu of Bid Security in the format annexed Form of Bid Security Declaration along with the bid.
10. Other details can be seen in the bidding documents.
11. Deleted.
12. The authority reserves the right to reject any or all tenders without assigning any reason thereof.



Divisional Forest officer ,
Puri wild life division,Puri

Government of Odisha procurement Notice.

**OFFICE OF THE DIVISIONAL FOREST
OFFICER ,PURI WILD LIFE DIVISION,PURI**

Bid Identification No. – 04 of 2021-2022

- | | | |
|-----------|------------------------------------------------------------------|----------------------------------------------------------------------------|
| 1. | Name of the work: | Electrical Works – 1 No |
| 2. | Estimate cost: | Rs. 1902659.40 |
| 3. | Period of completion: | 02 (Two Calander Months) |
| 4. | Date & time of availability of the Bid documents in the website. | 10.00 AM of 12.10.2021 to 5.00 PM of 28.10.2021 |
| 5. | Last date / Time of receipt of the bid . | 28.10.2021 up to 5.00 PM. |
| 6. | Date of Opening | 29.10.2021 at 11.00 AM. |
| 7. | Name and Address of the Office. | Office of the divisional forest officer.
Puri wild life division, Puri. |

Further details can be seen from the Portal “www.purinic.in”



**Divisional forest officer
Puri Wild life division,Puri**

CHECK LIST TO BE FILLED UP BY THE BIDDER

Sl. No	Particulars	Reference to Clause no.	Whether furnished		Reference to Page no.
			Ye S	N O	
01.	Cost of tender paper Rs. 10,000.00 (Offline)	D.T.C.N Clause No.04			
02.	A "BID Security declaration" as per the Office Memorandum No.8943 dtd.18.03.2021 of Finance Department, Government of Odisha in lieu of Bid Security in the format annexed Form of Bid Security Declaration along with the bid.	D.T.C.N Clause No.06			
03.	Additional Performance Security in case the bid price/rate is less than the estimated cost put to tender	D.T.C.N Clause No.26 (iii)			
04.	Copy of valid Registration Certificate	D.T.C.N Clause No.07			
05.	Copy of GST Registration Number	D.T.C.N Clause No.07			
06.	Copy of PAN Card	D.T.C.N Clause No.07			
07.	No Relationship Certificate in Schedule – A	D.T.C.N Clause No.12			
08. (A)	Information regarding current litigation, debarring / expelling of the tender or abandonment of the work by the tenderer (Schedule-E)	D.T.C.N Clause No.11			
(B)	Affidavit (Schedule-F)	D.T.C.N Clause No.11			

CONTRACT DATA

(A) GENERAL INFORMATIONS

Sl No	Item	Details
1	Name of the Work	Illumination and Internal & External electrical works in chakratirtha beach,Puri
2.	Employer	Divisional forest officer, Puri Wild life division,puri.
3.	Employer's Representative	
5	Accepting Authority	Divisional forest officer, Puri Wild life division,Puri
6	Executing Authority	Divisional forest officer, Puri Wild life division,Puri
7	Estimated Cost	Rs. 1902659.40

(B) BID INFORMATION

8	Intended completion period/Time period assigned for Completion		02 Months
9	Last Date & time of submission of Bid		5 PM of 28.10.2021
10	Date of opening (Cover-I)		Time: 11.00 hours on Date: 29.10.2021
11	Cost of Bid Document		
	i	Cost of Bid Amount	Rs.6,000.00
	iii	Payment Mode	Demand draft in Favor of Divisional forest officer, Puri Wild life division,Puri
12	Bid Security		
	i	"BID Security declaration" as per the Office Memorandum No.8943 dtd.18.03.2021 of Finance Department, Government of Odisha in lieu of Bid Security in the format annexed.	
13.	Additional Performance Security (Clause No.28 (iii) of DTCN.)		
	Amount	Sl. No.	Quoted Rate less on the amount put to tender.
		I	Below 5%
		ii	From 5% and above and below 10%
		iii	From 10% and above
	Pledged in favour of	Divisional forest officer, Puri wild life division	
	Payable at	Puri	
	Type of instrument	As specified in the Bid document	
14.	Bid validity period		90 days
15.	Currency of contract		Indian Rupee
16	Language of contract		English

Procedure to participate in off line bidding

1. PARTICIPATING IN THE BID IN THE E-PROCUREMENT PORTAL: Deleted

a. Deleted

b. Deleted.

c. Deleted.

D. Deleted

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 enroll in the portal in the name and style of the joint venture company.

1.2. Deleted

1.3. Deleted.

1.4. Deleted.

1.5. Deleted.

1.6. The bidder may ask question related to tender through e-mail, provided the questions are raised within the period of seeking clarification as mentioned in tender call notice/Bid. The Officer inviting the Bid/ Divisional forest officer ,Puri wildlife division will clarify quarries related to the tender.

1.7. Any addendum / corrigendum/ cancellation of tender shall be published in the website www.purinic.in, notice board and through paper publication and such notice shall form part of the bidding documents.

1.7.1. Deleted.

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 Produce document format (PDF) 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 off-line bidder shall deposit the original copy of the 'bid security' with in 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 with in 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 bidder shall have to furnish a "**BID Security declaration**" as per the Office Memorandum No.8943 dtd.18.03.2021 of Finance Department, Government of Odisha in lieu of Bid Security in the format annexed Form of Bid Security Declaration along with the bid.

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 up loaded 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 procedure 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 as 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 Deleted.

3. FORMAT AND SIGNING OF BID: Deleted.

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.

3.2. Deleted.

3.2.1. The bids once submitted cannot 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 submitted

3.2.2. Deleted.

3.2.3. Deleted.

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, , 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 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 submit 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 places only in case of percentage rate tender.

3.7. Deleted.

3.8. Bids cannot be submitted after due date and time. The bids once submitted cannot be viewed, retrieved or corrected. The Bidder should ensure correctness of the Bid prior to submitting of bid.

3.9. Deleted.

3.10. The Bidder should ensure clarity/ legibility of the document in websisite.

3.11. Deleted.

3.12. Deleted.

3.13. Deleted.

3.14. Deleted.

3.15. The Bidder is required to submit 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 submit the drawing and the other Bid documents (after signing). It is assumed that the bidder has referred all the drawings and documents given 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. Deleted.

4. SECURITY OF BID SUBMISSION:

4.1. All bid data submitted by the Bidder ,require all the mandatory forms and fields filled up by the contractor during the process of submission of the bid/tender.

4.2. Deleted.

5. DEADLINE FOR SUBMISSION OF THE BIDS:

5.1. The off line 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. Deleted.

7. MODIFICATION AND WITHDRAWAL OF BIDS:

7.1. Deleted.

7.2. Deleted.

8. OPENING OF THE BID:

8.1. Deleted.

8.1.1. Deleted.

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/Officer-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.

8.5. Deleted.

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 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 bids open bid shall be for taking up evaluation. The officer authorized to open the tender shall sign and number on each page of the documents submitted.

After receipt of confirmation of the bid security, the bidder may be asked in writing / (in their registered e- mail ID) to clarify on the 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.

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

8.5.4. Immediately, on receipt of these clarifications, the Evaluating Officers; will finalize the list of responsive bidders. n.

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 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.

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.

8.7.7 Deleted.

8.7.8 The 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 The Officer Publisher for reconsidering the rejected bid with the approval of concern Divisional forest officer, Puri Wild life division,Puri.

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. The employer shall issue the 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.

10.2. The Employer 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 Officer-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 Officer-in-Charge with copy thereof to the Officer-Publisher. The Officer-Publisher shall upload the summery and declare the process as complete.

10.4. If the L1 bidder does not turn up for agreement after finalization 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 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 the registration within 10 days of intimation to the defaulting bidder regarding his unsatisfactory reply with intimation to the Registering Authority and concerned 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 recommend to taking action for blacklisting the bidder as per Appendix-XXXIV of OPWD code Volume-II.

DETAILED TENDER CALL NOTICE FOR ROAD, BRIDGE & BUILDING WORKS

1 Sealed **percentage rate** bids are invited on **OFF LINE in Single cover system** from **M.V/H.T License holder** 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 works “**Illumination and Internal & External electrical work in Chakratirtha beach at Puri Odisha for the year 2021-22.**” at an estimated cost of **Rs.192659.40**. 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 not allowed.**

- 2 The Bid documents are available from official website of Government: www.purinic.in from **10.00 AM of Dt. 12.10.2021 up to 5.00PM of Dt. 28.10.2021. 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 Divisional Forest Officer, Puri wildlife division at **11.00 Hours on Dt. 29.10.2021** in the presence of the bidders or their authorized representatives who wish to attend.
- 4 The cost of Bid documents is to be remitted offline for **Rs.6,000.00** towards cost of each bid respectively.
- 5 The bid is to be submitted in Double cover.
 - (i) Cover-I is to contain scanned GST Registration Certificate and GSTIN, scanned copy of registration certificate, PAN card, undertaking/certificates duly filled, affidavit, **document required as per the clause no.120.g , Price Bid** and documents required as per the relevant clauses of this DTCN. Cover-II.
- 6 The bidder shall have to furnish a “**BID Security declaration**” as per the Office Memorandum No.8943 dtd.18.03.2021 of Finance Department, Government of Odisha in lieu of Bid Security in the format annexed Form of Bid Security Declaration along with the bid.
- 7 The lowest preferred bidder is required to produce documents viz original Registration, GST Registration Certificate, GSTIN, 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.
- 8 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.
- 9 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.
- 10 (i) The Contractors are required to furnish evidence of ownership of principal machineries/equipment 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 employer 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 equipment 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 equipment/machineries are required to furnish proof of ownership from the company/person providing equipment/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.
11. ~~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. An **affidavit** to this effect is to be furnished in **Schedule-F**. **Non furnishing** of the scanned copy of information in **Schedule - E** and required affidavit in **Schedule – F**, the bid document will be **summarily rejected**.

12 No Relation certificates.

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 conservation of forest(ACF) & Divisional forest officer(DFO) in Forest 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.

- 13 If an individual makes the application, the individual should sign above his full type written name and current address.
- 14 If the application is made by proprietary firm, it shall be signed by the proprietor & furnish full type written name and the full name of his firm with its current address in a forwarding letter.
- 15 If the application is made by a firm in partnership, it shall be signed 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.
- 16 If the application is made by a limited company or a corporation, it shall be signed 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.
- 17 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.
- 18 No bidder will be permitted to furnish their bid in their own manuscript papers. All information should be submitted offline in English.
- 19 Submission of more than one tender by a bidder for a particular work will liable for rejection of all such tender papers.

20 A. 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 rates 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 point only. If he writes the percentage excess/less up to three or more decimal points, the **second** decimal point shall only be considered without rounding off (vide Works Department O.MNo-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.

B. GST as applicable on works contract shall be paid over the bill amount at the time of payment of bill.

- 21 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.
- 22 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 officer -in-Charge as and when required.

- 23 (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 cannot 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. Officer 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.

- 24 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.

- 25 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.

26 (i) **Amendment to Appendix – IX, Clause – 36 of OPWD Code Vol.-II by inclusion.**

If the rate quoted by the bidder is less than 15% of the tendered amount, then such a bid shall be rejected and the tender shall be finalized basing on merits of rest bids. But if more than one bid is quoted at 14.99% (Decimals upto two numbers will be taken for all practical purposes) less than the estimated cost, the tender accepting authority will finalise the tender through a transparent lottery system, where all bidders / their authorized representatives, the concerned Divisional forest officer and ACF will remain present.

(ii) **Clause 36 of Appendix-IX of O.P.W.D. Code, Volume-II by inclusion.**

The concessions/ facilities for 10% Purchase preference shall be hereby allowed only to the Individual registered Contractors belonging to Schedule Caste and Schedule Tribe having Registration Certificate up to 'B' Class as per Works Department Resolution No.16262 dtd.30.10.2018.

(iii) **Amendment to Para-3.5.5 (v) of OPWD Code Volume-I by inclusion.**

(Additional performance Security) Modified vide Works Department office Memorandum No.4559 dt.05.04.2021

Additional Performance Security shall be obtained from the bidder when the bid amount is less than 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 amount of Additional Performance Security (APS) in shape of Term Deposit Receipt pledged in favour of Divisional Forest Officer/Bank Guarantee in favour of the Divisional forest Officer from any Nationalized/Scheduled Bank in India counter guaranteed by its local branch at Bhubaneswar 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 **further, proceeding for blacklisting shall be initiated against the bidder as per Works Department Office Memorandum No.14459 dtd.20.09.2018.**

The Additional Performance Security (APS) has to be deposited as follows.

Sl No.	Range of difference between the Estimated cost put to Tender and Bid amount.	Additional Performance Security to be deposited by the successful bidder
1	Below 5%	No Additional Performance Security
2	From 5% and above and below 10%	50% of difference between Estimated cost put to tender and bid amount
3	From 10% and above	150% of difference between Estimated cost put to tender and bid amount

27. 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.

- 28 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.

- 29 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.
 - 31 The authority reserves the right to reject any or all the tenders received without assigning any reasons there-of what so ever.
 - 32 The bid security (earnest money) will be retained and dealt with as per the terms and conditions of the OPWD Code.
 - 32 i) The bidder/tenderer whose bid has been accepted will be notified of the award by the Officer-in-charge 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 Officer-in-charge 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 28 of DTCN duly pledged in favour of the **Divisional Forest Officer, Puri Wildlife Division, Puri and payable at** the place as specified in the **Contract Data** and in no other form which shall be 2% of the value of the tendered amount (excluding 1% deposited towards hiring of equipment’s/machineries from outside the State if any) and sign the agreement in the **PWD Form P-1** for the fulfillment of the contract in the office of the **Divisional Forest officer, Puri Wildlife Division, Puri and payable at** the place as specified in the **Contract Data** or as directed. The security deposit and the amount withheld according to the provision of P1 agreement shall be retained as security for the due fulfillment 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/Officer-in-Charge 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 Officer-in-Charge. Following documents shall form part of the agreement.
 - a) 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.
 - b) 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 Officer-in-Charge. The security will be refunded after **One year** 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.
 - 33 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.
 - 34 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.
 - 35 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.

- 36 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 Engineer 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 Engineer is final and binding on the contractor.
- 37 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 equipment 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.
- 38 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.
- 39 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.
- 40 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.
- 41 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-44150dtd.25.11.57.
- 42 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.
- 43 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.**
- 44 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 & Bridgeworks.
- 45 Steel shuttering & centering shall be used which shall be lined with suitable sheeting and made leak proof and water tight.
- 46 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.
- 47 Concrete should be machine mixed unless otherwise ordered in writing by the Executive Engineer. The contractor should arrange his own concrete mixer, vibrator, and pumps etc, for this purpose at his own cost.
- 48 Cement shall be used by bags and weight of one bag of cement being taken as fifty (50) Kg.
- 49 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.

- 50 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.
- 51 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.
- 52 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 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- Agreement.
- 53 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.
- 54 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.
- 55 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.
- 56 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.
- 57 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.
- 58 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.
- 59 After completion of the work the contractor shall arrange at his own cost all requisite equipment 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.
- 60 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 infilling.
- 61 If required the stack of road metal and gravel will be measured in boxes of 1.5m × 1.5 M × 0.5M which will be taken as 1.5m × 1.5M × 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.
- 62 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 Engineer-in-Charge.
- 63 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.
- 64 Sinking of wells shall be measured as per MoSRT&H Specifications for Road & Bridge works (Latest Revision).
- 65 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.

- 66 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.
- 67 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.
- 68 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.
- 69 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.
- 70 No claim will be entertained in respect of difficulties during sand blowing met with during sinking of wells.
- 71 No part of the bearing for the superstructure shall be allowed to rest on the noses of the piers.
- 72 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.
- 73 Lugs and grooves shall be provided in the bearings to prevent them from skewing and getting out of alignment.
- 74 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.
- 75 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 Bridge's 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.
- 76 The thickness of cement concrete in top plugging should be as per Departmental drawing.
- 77 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 tolerances, 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.
- 78 Concrete of strength below of the required strength (as determined by actual tests) shall not be accepted.
- 79 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).
- 80 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.
- 81 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 Officer in charge . 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 Chief Engineer in the manner so that the total expenditure does not exceed

- one percent of the tendered cost of the work.
- 82 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 Engineer-in Chief (Civil), 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**.
- 83 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.
- 84 Deleted.
- 85 **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. GST as applicable for works contract shall be payable to Contractor on bill amount.
- 86 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.
- 87 Prevailing rate of TDS on GST as applicable under Act on the gross amount of the bill will be deducted from the contractor's bill as tax deduction at source (TDS) as per rules.
- 88 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 Officer-in -Charge 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.
- 89 CESS @ 1 (one)% of the amount of each bill shall be proportionately deducted from the Contractor's bill at the time of making payment of each bill.
- 90 Under no circumstances interest is chargeable for the dues or additional dues if any payable for the work.
- 91 Under section 12 of contractor's 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.
- 92 **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 Engineer.
- 93 **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.
- 94 Any defects, shrinkage or other faults which may be noticed within **12 (Twelve) months** from the completion of the work arising out of defective or improper materials or workmanship timing are upon the direction of the Officer-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 **12 (Twelve) calendar months** from the date of successful completion of the work.

- 95 From the commencement of the works to the completion of the same, they are to be under the contractor's 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.

96 Price Adjustment

96.1: 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 Paras.

(a) The price adjustment shall apply for the work done from the start date given in the contract data 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 Paras

(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 works executed for extra items under variations.

98.2: 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 contract, the unit rates and prices included in the contract shall be deemed to include amounts to cover the contingency of such other rise or fall in costs.

The formula (e) for adjustment of prices is:

96(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:

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

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.

96(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

96(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 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.

96(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 for bitumen.

B_0 = The official retail price of bulk bitumen at the IOC / BPCL depot at nearest center on the day 28 days prior to date of opening of Bids.

B_1 = The official retail price of bulk bitumen at IOC / BPCL depot at nearest center for the 15th day of the month under consideration.

P_b = Percentage of bitumen component of the work

96(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:

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

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

P_{pi} = Percentage of pipe component of the work

P_{i1} = All India Whole sale 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 Whole sale 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.

96(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.

96(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 centre on the day 28 days prior to the date of opening of Bids.

F_1 = The official retail price of HSD at the existing consumer pumps of IOC / BPCL/ HPCL at nearest Centre for the 15th day of the month under consideration.

P_f = 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.

96(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_p - 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_0 - 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_1 - 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_p - 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. Therefore, 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 & rods	Rebars	Mild steel long products
3	Heavy Machinery & parts	Construction Machinery	Manufacture of machinery for mining, quarrying & construction.

96(e): APPLICATION OF ESCALATION GLAUSE:

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 material, 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 (Pl)	POL (Pf)	Steel (PS)+Cement (PC)+Bitumen (PB)+Pipes (Ppi)+Plant and Machinery spare and component (Pp)+other

					materials*
1	Works (% of component)	Road Works	5	5	90
		Bridge Work	5	5	90
		Building Works	5	5	90
2	Irrigation works (% of component)	Structural work	5	5	90
		Earth, Canal & Embankment work	5	5	90
3	P.H. work	Structural work	5	5	90
		Pipeline Work	5	5	Pipe- 70% *Machinery + Other material -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 works and shall be provided in the bid document in shape of "Schedule of Adjustment Data" as an "Appendix to Bid". (Enclosed herewith)

Appendix to Bid Schedule of Adjustment Data

[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- 96 of: P1 Contract Sl. No.	Index description	Source of index	Base value*	Base Date*	Weight age of Item**
96 (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			51.21%
96 (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.			10.95%
96 (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.			22.33%
96 (a)(iv)	Bitumen (VG-30)	Official retail price of bulk bitumen at the nearest IOC/HPCL depot			0.00%
96 (a)(v)	Pipes	Whole sale price index for the type of Pipe under consideration, as published by the office the Economic Advisor to the Govt. of India, Ministry Commerce and Industry.			0.00%
96 (b)	Labour	Minimum Wage notified by the Labour and Employee's State Insurance Department of Government of Odisha, India			5%
96 (c)	POL	Official retail price of HSD at near IOCL/ HPCL/ BPCL Consumer pump depot.			5%
96 (d)	Plant and Machinery	Whole sale 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.			5.51%
				Total	100%

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

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

97. 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.
98. 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.
99. Where it will be found necessary by the Department, the Officer-in-Charge of the work shall issue a 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 Engineer (Executive Engineer) and to be submitted to the Engineer-in-charge every month.
100. 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.
101. The details of foundation, sub-structure and floor protection for execution shall be done in accordance with the test results thus obtained.
102. 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.
103. 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.
104. No part of the contract shall be sublet without written permission of the concerned Executive Engineer or transfer be made by power of Attorney authorizing others to receive payment on the contractor's behalf.
105. 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.
106. 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.
107. 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.
108. 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.
109. 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.
110. 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 for as possible regarding the quantities as well as the total amount claimed. The claim book must be submitted by the contractor regularly by 10th and 16th 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 summarily rejected. The claim books are 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 whichever is earlier for record.

111. 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.
112. 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 road in all respects the road furniture's should be affixed by the executing agency indicating locations like school, hospital, No-horn etc.

113. **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 Superintending Engineer 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 equipment, 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 superintending Engineer 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 chaukidar 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 superintending Engineer 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 Officer -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 Officer -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.

Whereas 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 whereas 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 Officer-in charge as per Contract Data.**
- (b) The rate of hire 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 thereof 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 Officer-in charge 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 break down, 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 Superintending Engineer 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 Officer-in-Charge 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:

1. _____ 2. _____
Signed sealed and delivered in the presence of

1. _____ 2. _____

- 114 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.
- 115 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.
- 116 The information furnished must be sufficient to show that the applicant is capable in all respects to successfully complete the envisaged work.
- 117 In case the 1st 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 disincentivizing the tenderer.
- 118 **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-schedule in g programme.**
 - 2.1.1. The officer- in- Charge 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, 1/4th 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, 3/4th of the whole of the work before 3/4th of the whole time allowed under the contract has elapsed.

- 2.1.4. If at any time it should appear to the **Officer-in charge** 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 **Officer-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 **Officer-in charge** 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 overdue 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 **Officer-in charge** 's approval of the Programme shall not alter the Contractor's obligations. The Contractor may revise the Programme and submit it to the **Officer-in charge** 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 15th day or such time period as mentioned in letter of Award after the date on which the **Officer-in charge** 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 **Officer-in charge** and the Contractor within the limitations of time imposed in the contract documents, and further to ensure good progress during the execution of the work, the contractor shall in all cases in which the time allowed for any work, exceeds one month (save for special jobs for which a separate programme has been agreed upon) complete the work as per 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 **Officer-in charge** but shall nevertheless use constantly his best endeavors to prevent or make good the delay and shall do all that may be reasonably required to the satisfaction of the **Officer-in charge** to proceed with the works.
- 2.2.3.1 Force majeure, or
 - 2.2.3.2 Abnormally bad weather, or
 - 2.2.3.3 Serious loss or damage by fire, or
 - 2.2.3.4 Civil commotion, local commotion of workmen, strike or lockout affecting any of the trades employed on the work, or.
 - 2.2.3.5 Delay on the part of other contractors or tradesmen engaged by **Officer-in charge** in executing work not forming part of the Contract.
 - 2.2.3.6 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
 - 2.2.3.7 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 **Officer-in charge** 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 **Officer-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 Divisional forest 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, delay to be completed on per Day basis.

Provided always that the total amount of compensation for delay to be paid under this condition shall not exceed 10% 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 **Officer-in charge** 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 **Officer-in charge** 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 Superintending Engineer, Chief Engineer & the Administrative Department.

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 **Officer-in charge** 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 **Officer-in charge** 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 **Officer-in charge** 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 **Officer-in charge** shall be conclusive evidence), 20% of the value of left-over work will be realized from the contractor as penalty.

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

As per said amendment a Contractor may be blacklisted

- a. Misbehavior/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 tenderer.
- g. Non submission of Additional Performance Security (APS) within stipulated period as specified in Clause 28 (iii) as per Works Department Office Memorandum No.14402 dtd.06.10.2017.
- h. Keeping Business Relationship with a fraud Company in any manner that affects the contract executed with Government or Government agency as per Works Department Office Memorandum No.10496 dtd.12.07.2018.

12) **ELIGIBILITY CRITERIA:** - To be eligible for qualification, applicants shall furnish the following.

- a. Required **Cost of Bid document as per Clause No.04.** The proof of payment of cost of bid document must be uploaded with the tender documents.
- b. The bidder is required to submit “**Bid security declaration**” as per **Clause - 06.**
- c. Scanned Copy of valid Contractor’s Registration Certificate, GST Registration certificate, GSTIN, PAN card along with the tender documents as per **Clause No.07.**
- d. Information in scanned copy regarding current litigation, debarring / expelling of the applicant or abandonment of work by the applicant in **schedule “E” and affidavit to that effect including authentication of tender documents in schedule “F”** as per **clause-11.**
- e. No relation Certificate in Schedule – A
- f. Submission of documents as prescribed in the relevant clause of DTCN.

The bidder who meets the above minimum eligible criteria shall be qualified.

Total: - 120 (One hundred twenty)

clauses only. Special Condition:

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

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.

TECHINICAL SPECIFICATION

G.I. Poles:

M.S Galvanized poles with base plate fabricated from special steel plates as per BSEN 10025/IS 5986 with excellent ultimate tensile strength, yield stress and elongation and corrosion resistance properties and suitable weld ability. Plates to be cut and folded to form an octagonal of 180Kw/ Hr as per IS: 875 and of 8mtr length in single section. Continuously tapered profile for stability and aesthetics with face to face dimension being 130 mm at bottom and 70 mm at top and 3.0 mm wall thickness with foundation base plate made of Hot rolled M.S. plate as per IS: 2026 and 200 mm x 200mm x 16mm thick duly welded to the base of the pole with foundation Bolts of 600mm length and M20 category with Nuts for grouting in concrete. Hot Dip Galvanization of both internal and external surface with minimum thickness of 86 Microns more than 600 gm / sqm as per IS: 4759 specification. Galvanization is to be done in a method to ensure proper adhesion and life as per BS : 729 equivalent to IS : 4985.1mtr long or suitable size (Galvanized as above) single arm bracket made out of 60 mm outer diameter M.S. G.I. tubular pipes of class B and welded to fit the top of the above pole and M.S. Plate for rigidity between cap and pipe with provision of passing the electrical cable from the pole to the end of the arm for connection of the luminaries. Electrical Termination box fixed at a height of 500mm from the bottom of pole, made out of weather resistant fiber glass having arrangement for fixing the box on the pole with clamps, 4way 100Amps / 400Volts connector, 6/10 Amps / 230 Volts / 10KA, SP MCB, Cable gland at bottom of suitable size for entry & exist of 16 sqmm, 4 c Al. Ar cable.

Excavation & Concreting:

Excavation of pole pit in all kind of soil including rock of all variety of size 600mm x 600mm and depth 1500mm with filling of sand to a height of 300mm, 300mm metal concrete and then laying foundation of Reinforced cement concrete (1:2:4) of 450mm x 450mm x 1000mm high with granite metal of nominal size 20mm to 25mm including side shuttering and grouting of foundation bolts and supply and erection of pole as specified above including watering and ramming it as required

including provision for passage of cables and finishing the surface with 1:4 ratio cement plaster . However, minimum requirement of external forces for which the pole has to be designed as mentioned in the BOQ. Depending on the site condition the bidder has to consider the slight modification, if any to meet the design criteria subject to above the minimum foundation size as mentioned for which no separate payment will be made.

Street light fitting:

Supplying, installation and commissioning of LED street light luminaries as specified in the technical detail of LED street lighting to be fixed on the ends of arms mounted on the GI poles complete with connection from terminal in the pole base to the luminaries with the help of 3 x 2.5sqmm bonded three core PVC insulated copper wire (650/1100 volts). PVC insulated and sheathed confirming to IS: 694, complete with supply of all materials, Nut & Bolt such as, connecting wires and all accessories and sundries as required for the work and as per direction of EIC.

- a) All material shall be of the best quality complying with the appropriate IS. / BS. Specifications. Materials used shall be subject to the approval of the project supervisor and samples to the approval of the furnished where required. All switchgear shall be suitable for a system short-circuit capacity of 50KA at 400Volts.
- b) The iron switches shall be of the heavy – duty pattern with a quick make and break action and fuses shall be of the HRC type. The switches shall be able to carry rated current continuously without excessive temperature rise or softening or welding of contacts. Provision shall be made for the incoming and out-going conduits or cable glands as indicated in the drawings. Earthing lugs also be provided.
- c) Conduits shall be black enamelled heavy gauge (16SWG) upto 30mm and 14SWG over 30mm size with electric thread and shall comply with IS specification.
- d) Conduit accessories such as junction boxes, couplers etc. shall be properly treated and true. Junction boxes shall be provided with gasketed covers to render them dust and damp proof.
- e) The main panel shall be constructed of high quality heavy gauge 2mm sheet steel stiffened and reinforced by a sturdy angle iron framework. The steel sheet shall cover the panel on all sides and special measures shall be taken to ensure that it is termite and vermin proof. The housing shall sectionalized construction.
- f) The bus bars and connections shall consist of hard drawn high conductivity copper strip with PVC sleeves of appropriate phase colour. The bus bars shall be mounted edge wide on insulated bases, which will permit sufficient movement for compensation of temperature stresses while still provided

as well as proper bracing to withstand the electromagnetic forces produced during short circuits. The neutral bus bar shall be rated for 50% of the phase rating.

- g) The assembly shall be given one coat of primer paint and two coats of battleship grey or any other colour approved. Name plates to indicate the equipment or circuit controlled by the switches shall be fixed on the panel.
- h) Distribution boards shall be of totally enclosed MS sheet metal construction conforming to I.S. 2675:1963 and fitted with suitable HRC fuse / MCB as specified or indicated on the drawings.

Cable:-

Supply:- All required materials shall be supplied and erected by the Contractor. The cable shall generally conform to IS:1554/1996 amended upto date. It shall consist of a multiple core, as required, of stranded aluminum conductor of nominal cross section as mentioned in bill of quantities. The conductors shall be insulated with PVC compound by extrusion method. Each core of the cable up to 10-sqmm shall be circular. For cables of higher cross section, the cores shall be shaped. The cores of the cable shall be laid up and surrounded by inner sheath of PVC wrapping. GI wire/ strip armours of suitable size and numbers shall be applied over the PVC insulation. The armours shall be applied as closely as possible. The outer sheath shall be provided over the armours by means of extruded PVC compound. The PVC compound to be used as insulation of conductor and sheath of cable shall be suitable to operate at a maximum conductor temperature of 70 degree Celsius. The cables shall be wound on wooden cable drums and shall be marked with the following information.

Name of Manufacturer with ISI mark and number

Batch No & Date of Manufacture

Size of Cable

Length of Cable

The rate quoted per Metre of cable shall be firm. The payment would be made as per actual quantity of cable supplied.

Cable Laying & Installation:- The cables shall be of approved make and tested at factory in presence of Engineer-in-charge or his authorised representative. The cables shall be despatched to the work site packed on wooden drums with both ends properly sealed. Jointing of the cables in between the terminal points shall be avoided as far as possible. For longer length of cable exceeding the normal length of manufacture, cables may be joined by means of jointing kits only. The cables shall be tested for insulation resistance by 500-volt insulation Megger for cables up to 1100-volt grade and by 2500-volt insulation Megger for cables beyond 1100V grade prior to laying of the same. Cable loops for future requirement shall be kept at both ends as per direction of the EIC.

Minimum bending radius for PVC insulated armoured cables shall be 1200mm. At joints and terminals, the individual cores of multi-core cable should never be bent so that radius of bending is less than 12 times the overall diameter of the cable.

Wherever more than one cable shall exist, suitable marker tags inscribed with cable identification details shall be permanently attached to all cables in the man hole, pulpits, joints, open ducts, underground cables etc at suitable intervals.

The laying and installation of cable shall be carried out as per IS:1255/1983. Cable trenches shall be excavated cutting all types of soil and rock upto a minimum depth of 750mm for L.T. cables & 1200mm for H.T. cables and of appropriate width (not less than 350mm) to accommodate the cables and cable protecting materials within the tendered rate.

The trench shall then be filled up with the excavated materials free from stone or sharp edged debris and duly compacted. A crown of earth neither less than 50mm nor more than 100mm in the centre and tapering towards the sides of the trench shall be left to allow for subsidence.

Cable route markers shall be installed at salient and strategically located points parallel to and 500mm or so away from the edge of the trench for easy identification of cable routes at a maximum interval of 10 metre for straight run.

In locations such as road crossing, pipeline crossing, entry to buildings or poles in paved area etc, the cables shall be laid in pipes or closed ducts. Pipes provided for entry to building shall slope upward to prevent entry of water to the building. Stone ware, cast iron, NP-2 class RCC pipes or medium class M.S./G.I. pipe of appropriate diameter shall be laid during the construction to avoid damage later on.

In case of stone ware pipes, a 100mm thick 1:3:6 cement concrete covering shall be provided. In case of cast iron or RCC pipes no concrete covering is required. The collars in case of RCC pipes shall be embedded by 1:2:4 cement concrete. Top surface of pipe shall be at a minimum depth of 1.0 metre. The minimum size of hume pipes shall not be less than 100mm in diameter for a single cable and not less than 150mm for multiple cables.

The diameter of the cable protecting pipes shall be at least 1.5 times the outer diameter of the cable. In one pipe, single core cables shall not be laid individually but instead, all the three/four cables of the same system shall be laid.

Earthing

The earthing installations shall generally conform to IS:3043/1966 and requirements of Indian Electricity Rules, 1956.

All three-phase medium voltage equipments shall be earthed by two separate and distinct connections with earth through earth electrodes. Single phase equipments shall be earthed at least at one point. In case of high & extra high voltages, the neutral point shall be earthed by not less than two separate and distinct connection with earth each having its own electrode.

An earthing electrode shall not be situated within a distance of 1.5 metre from the building whose installation system is being earthed. The cross sectional area of earth continuity conductor in electrical installation shall no where be less than 16swg copper or 14swg GI wire. The earth resistance for various installations shall be restricted within the following maximum permissible limits.

Distribution Substations	2 ohms
Industrial Buildings	4 ohms
Non industrial Buildings	5 ohms
Earth continuity inside an installation	1 ohm (From electrode to any point in Installation)

Pipe Earthing

Pipe earth electrodes shall be of perforated class B G.I. pipe of specified length and diameter. Galvanising of pipes shall conform to relevant ISS. The G.I. pipe electrode shall be cut tapered at the bottom and provided with holes of 12mm dia drilled not less than 75mm from each other in zigzag manner upto 500mm from the top of the electrode. A pair of 50mm x 5mm G.I. flat clamp with 2 nos 18mm dia drilled holes on either side shall be welded to the electrode at about 150mm below the top of the pipe.

The electrode shall be buried in the ground vertically with its top not less than 200mm below the ground level. The pipe earth electrode shall be surrounded by, either salt & charcoal in alternate layers or a homogeneous mixture of the both, for a radius of about 150mm and upto a height of about 250mm below the top of the electrode. The

balance portion of the excavated pit shall be filled with good quality soil and properly compacted.

A brick masonry chamber with hinged cast iron/ removable RCC inspection cover of size 300mm x 300mm shall be constructed within the tendered rate. Watering arrangement shall be made with funnel and wire mesh fixed by means of a reducer socket on the top of the electrode.

All materials required for earthing such as earth electrode, salt, charcoal etc. shall be supplied by the Contractor.

Earthing leads:

GI flats / wire of appropriate size as specified in bill of quantities shall be laid as earthing lead. For earthing of arms No-6 GI wire shall be used as earthing lead.

Danger Notice Board:

All the overhead line supports and distribution equipments shall be fitted with danger notice boards mentioning the system voltage conforming to IS: 2551/1963. The danger notice boards shall be fitted at a height of 3000mm above the ground level in case of overhead line supports. It shall be made of a 1.6mm thick mild steel sheet duly derusted, primered, vitreous enameled with white letters and marked with conventional

skull and bone signal in red colour. The "Danger" & its appropriate translated word along with the system voltage shall be written in Oriya, English and Hindi languages. The sizes recommended are as follows

For low & medium voltages up to 650 Volts : 200mm x 150mm

For high voltages above 650 Volts : 250mm x 200mm

TECHNICAL SPECIFICATION FOR DISTRIBUTION BOARD

This Distribution board shall be fabricated with 2mm thick CRCA sheet steel. The board shall be painted with two coats of red oxide primer & two coats of industrial grey on exterior surface, two coats of enamel white on the interior surface. The distribution board shall be dust & vermin proof & shall be of double door type i.e. the switch gears can be approached after opening of the front door. Ventilation louvers with fine wiremesh shall be provided in the D.B. The D.B. shall be provided with punch holes on the bottom plate for glanding of following incoming and outgoing cables. The DB shall be provided with atleast two nos earthing studs of hexagonal G.I. nut & bolts. One number enameled danger board and nomenclature plates shall be fixed on the front of the Distribution board. Each detachable hinged doors shall be provided with flexible copper earthings.

The busbar shall be made out of electrolytic copper strips of at least 98% purity. The current density of copper shall be 1.5 Amp per Sq.mm. 11000 Volt grade PVC insulated multistranded copper conductor wires shall be used for inter panel wiring. The minimum size of wire inside the panel except that of indicating lamps shall be 4.0 mm sqr. Post insulators for the busbars shall be of SMC/DMC. A minimum clearance of 25mm shall be maintained between the busbars. All the cables/wires shall be properly crimped with the use of suitable crimping type lugs & then terminated on the busbars/switch gears.

A general arrangement drawing may be submitted by the manufacturer for approval by the undersigned after which fabrication of the distribution board can be commenced.

TECHNICAL SPECIFICATION OF INTERNAL ELECTRIFICATION WORKS

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:

- a) Switch and ceiling rose are required
- b) In case of wall brackets, bulk head fittings, cables as required up to the lamp holders]
- c) Bushed conduit for porcelain tubing where cables pass through walls.
- d) 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.
- e) Earth wire from 3 pin socket point to the common earth including connection to the earth dolley.
- f) Earth wire of 16 SWG / 14 SWG /I.G. wire for loop earthing of the fixture
- g) All fixing accessories such as clips, nails, screw, plug, rawl plug, wooden plug, round blocks etc. as required
- h) Joint for junction boxes and connecting the same as required
- i) 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 the 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.

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/ copper conductors. The wires used in the lighting installation shall be PVC insulated and PVC sheathed copper / aluminium wire 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 metalclad 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 confirm 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 o adequate rating and\ capacity. Power factor improvement capacitors are provided with hermetically sealed housing to ensure long and trouble fee service. Terminal soldering tango shall be provided for easy electrical connections. The capacitors in general shall confirm 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:

- i) 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.
- vii) 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 florescent lamps. All lamps shall confirm 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 design, 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 confirm 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 their 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) Other internationally approved standards and / or Rules and Regulations touching the subject matter of the contract
- p) Standards of the Bureau of Indian Standards

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	:	IS 2675-1966
5	Enclosure for Low Voltage switchgear	:	IS 214701962
6	PVC Cables	:	IS 1554-1975
7	Tabular fluorescent lamps for Cameral lighting service	:	IS 2418-1963
8	Tungsten Filament Lamps for cameral service	:	IS 415-1963
9	Ceiling Fans	:	IS274-1966
10	Flood lights	:	IS1947-1961
11	Wall Glass flame-proof electric light fittings	:	IS 2206-1962 (Part 1)
12	Water Tight Electric Light Fittings	:	IS 3553-1956
13	Steel Boxes for Enclosure of Electrical Accessories	:	IS 5133-1969
14	Fittings for Rigid Steel conduit	:	IS 2667-1979
15	Rigid steel circuits for electrical wiring	:	IS 3837-1966
16	Accessories for Rigid Steel Conduits for Electrical Wiring	:	IS 3837-1966
17	Switch Socket Outlets	:	IS 3837-1966
18	PVC Wiring	:	IS 694-1977
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

Tenderers are required to submit the information in the following Schedules

SCHEDULE-A

CERTIFICATE OF NO RELATIONSHIP

I/We hereby certify that I/We* am/are* **related / not related** (*) to any officer of DFO office of the rank of Assistant Conservation of Forest & above and any officer of the rank of Assistant / Under Secretary and above of the Forest 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.

(*) - Strike out which is not applicable

Signature of the Tenderer

Date: -

SCHEDULE -D

CERTIFICATE OF LIST WORKS EXECUTED

I/We do hereby certify that the following works have been executed by me/us in the past.

SI No.	Particulars of work already executed	Value of work executed/ In progress	Name of Department under which the works were executed	Period of commencement & completion.	Whether the work was completed in stipulated period.	Remarks
1	2	3	4	5	6	7

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: | |

Signature of the tenderer

Note:

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

AFFIDAVIT

(To be furnished in original in legal stamp paper)

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 my / our firm / company / individuals _____ nor any of its constituent partners have abandoned any road/ bridge/Irrigation /Buildings or other project work in India nor any contract awarded to us for such works have been rescinded during the last five years prior to the date of this bid.
3. The undersigned hereby authorise(s) 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.

(Signature of Tenderer)

Title of Officer

Name of Firm

Date.

Form of Bid-Security Declaration

Letter head of the bidder

Date.

Bid No.:

To

[Insert complete name and address of the Authority/ Employer/ Tender Inviting Authority]

I/We, the undersigned, declare that:

1. I/We understand that, according to your conditions, bids must be supported by a Bid-Security. Declaration.
2. I/We accept that, the Authority/ Employer/ Tender Inviting Authority shall cancel our empanelment and / or suspend/ prohibit/ debar/ blacklist from participating in bidding in any contract of the State for a minimum period of 180 days in addition to other penal action as per DTCN, if we are in breach of our obligation(s) under the bid conditions.

Signature of the bidder

BIDDER CONTACT ADDRESS

Name.

Address.

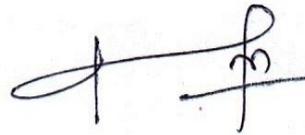
E-mail ID

Telephone No.

Mobile No.

Total: - 47 (Forty seven) pages only

APPROVED for 47 (Forty seven) pages only



**Divisional Forest Officer,
Puri Wildlife Division, Puri.**