

GOVERNMENT OF ODISHA

HORTICULTURE DEPARTMENT



DOCUMENTS FOR COVER -I

DETAILED TENDER CALL NOTICE FOR THE WORK :

**06. Construction of Boundary Wall At- CLN Lahandabud,
Phase- I, District- Jharsuguda**

**OFFICE OF THE EXECUTIVE ENGINEER OF HORTICULTURE
NORTHERN ZONE, FARM ROAD, SAMBALPUR - 768002
E-mail : eenzsbp@gmail.com**

GOVERNMENT OF ODISHA
OFFICE OF THE EXECUTIVE ENGINEER OF HORTICULTURE, (NORTHERN ZONE),
AT/PO- FARM ROAD, SAMBALPUR-768002
email: eenzsbp@gmail.com

Notice No.:1301 / EE / Hort / NZ Dated 29-07-2026

Bid Identification No. 02 / Hort. / NZ / 2026-27 Dt. 29-07-2026

The Executive Engineer (Agril.), Northern Zone, Horticulture, Sambalpur is directed to invite Percentage Rate bids and tender type mentioned in the column No.8 on behalf of Governor of Odisha for the following Civil works as detailed in the table below from eligible contractors registered with the State Governments,) and Contractors of equivalent Grade / Class registered with Central Government / MES / Railways mentioned in the table column-5 for execution on production of definite proof from the appropriate authority along with the bid. The intending bidders need not produce any document during purchase of tender paper.

Sl. No.	Name of the Work	Amount put to Tender Excluding GST (Rs.)	1 % EMD (Rupees)	Class of Contractor	Cost of Tender Fees (Rupees)	Period of completion	Tender Type
1	2	3	4	5	6	7	8
01	Construction of Boundary Wall At- Deogarh Farm, District - Deogarh	Rs. 3335298.43/-	1% of amount put to tender	C & B	6,000 /-	90 days	Single Cover
02.	Construction of Boundary Wall At- Barkote Farm, District - Deogarh	Rs. 2500104.77/-	1% of the Tender amount	C & B	6,000 /-	90 days	Single Cover
03.	Construction of Godown (RCC Roof) At- BLT & EC, Barkote, Kalla, District – Deogarh	Rs. 3359898.14/-	1% of the Tender amount	C & B	6,000 /-	120 days	Single Cover
04.	Construction of Godown (GCI Sheet Roof) At- BLT & EC, Tileibani, District - Deogarh	Rs. 2519207.93/-	1% of the Tender amount	C & B	6,000 /-	120 days	Single Cover
05.	Construction of Training Hall At- BLT & EC , Lakhanpur, District- Jharsuguda	Rs. 3557982.94/-	1% of the Tender amount	C & B	6,000 /-	120 days	Single Cover
06.	Construction of Boundary Wall At- CLN Lahandabud, Phase- I, District- Jharsuguda	Rs. 4169327.16/-	1% of the Tender amount	C & B	10,000 /-	120 days	Single Cover
07.	Construction of Conference Hall At- First Floor Office of New Office Building of ADH Rairakhol, Dist- Sambalpur	Rs. 2083235.03/-	1% of the Tender amount	C & B	6,000 /-	120 days	Single Cover
08.	Furnishing of Electrification P.H & Interior Work of Conference Hall At- ADH office Padampur	Rs. 1505533.00/-	1% of the Tender amount	D & C	6,000 /-	120 days	Single Cover
09.	Construction of Approach Road At- BLT&EC, Muribahal, Dist- Bolangir	Rs. 1000031.57/-	1% of the Tender amount	D & C	6,000 /-	90 days	Single Cover
10.	Construction of GCI Sheet roof Godown (30'x40')At-BLTEC Bongomunda, Dist-Bolangir	Rs. 2500039.81/-	1% of the Tender amount	C & B	6,000 /-	120 days	Single Cover

2.Mode of Submission of tender: Tender should be submitted online in www.tendersodisha.gov.in

3.Bids must be accompanied by Earnest Money Deposit (EMD) / Bid Security of the amount specified for the works and it should be submitted through **offline** mode specified in www.tendersodisha.gov.in. Bidders desirous to hire machineries or equipment from outside the state or owned but deployed outside the state are required to furnish 2% of the amount put to tender as Bid Security.

4..The bidders desirous to participate in bidding must possess compatible Digital Signature Certificate (DSC) of Class-II or Class-III and should follow the changes / modifications / addendum to DTCN if any.

5. **Critical Dates:-**

Sl. No.	Description	Critical Dates
(i)	Period of availability of tenders on-line :	From 10.00 Hrs. of 05-08-2026 to 17.00 Hrs. of 17-08-2026
(ii)	Last date & time of bidding on-line :	Up to 17.00 Hrs. of 17-08-2026
(iii)	Last date & time of offline dropping of uploaded documents in tender box at the office of the undersigned at Farm Road, Sambalpur -768002.	From 10:00 AM of 17-08-2026 to Before 17.00 Hrs. of 21-08-2026
(iv)	Date & time of opening of bids	10:30 AM of 25-08-2026 Onwards

6. The successful lowest bidder is required to produce **originals of all the scanned documents uploaded, within 07 days for acceptance** of the tender after verification of documents for award of tender. In case of failure, his bid security will be forfeited and his name will be informed to the registering authority for cancellation.
7. The successful bidder has to submit the Additional Performance Security amount (as per the latest circular of Govt. of Odisha)) in shape of T.D.R / NSC / KVP **pledged** in favour of the **Designated Drawing Officer as per the DTCN** in original before acceptance of tender, only if their quoted amount is significantly less than the estimated cost.
8. The documents consisting of qualifications information & eligibility criterion of bidders, specifications, the schedule of quantities and other details can be seen in the bidding documents, which is available in web portal **www.tendersorissa.gov.in.**
9. The rates quoted by the bidder shall be excluding of GST and the GST allowed for the work contract shall be payable on each bill amount and the admissible rate of GST from the gross amount of bill and will be deducted from the contractor's bill as Tax deduction at source (TDS) by the concerned DDO's as per rules.
10. The Bid for the work shall remain open for acceptance for a period of ninety days from the last date of receipt of bid. If any bidder withdraws his bid/tender before the said period or makes any modifications in the terms and conditions of the bid, the said EMD shall stand forfeited as per rule.
11. **A bidder shall not be permitted to bid for works in Horticulture Division under Northern zone for award and execution of contracts in which his or his spouse's near relatives (defined as first blood relations and their spouses) posted in the rank of Assistant Engineer & above in any govt. offices under Govt. of Odisha and the awardee bidders who has not yet started or completed the awarded projects within the scheduled time line as per the agreement made by the undersigned during the current or previous years.**
12. **The bidders shall not be permitted to bid for works under Northern Zone, Horticulture who are having awarded work but failed to complete the works within stipulated time of completion according to work order.**
13. The contractor has to upload an Affidavit regarding the correctness of all the documents uploaded and No Relation Certificate failing which the tender will be liable for rejection / disqualification.
14. The bid of any contractor whose tender has been rescinded or who has abandoned any work within five years will be rejected without showing any reason thereof. This provision should form a part of the

15. The appropriate cost of tender fee should be submitted off- line in the tender box in the office of the undersigned within the specified date and time drawn in favour of the designated officer as per DTCN and issued through bank draft of any Nationalized scheduled banks as per Contract data of the DTCN and not in favour of the undersigned.
16. The single tender received in the 1st call shall be cancelled without opening the bid.
17. The employer shall not accept any responsibility for failure or breakdown of electronic procurement system during the e-tender process, in case of such System failure, malfunction, postal delay or breakdown during the bidding process.
18. The rate quoted by the contractor shall be excluding GST and labour cess. The GST & Labour cess as applicable for the work contract shall be payable to the contractor on each bill amount on production of Tax invoice. The prevailing rate of GST on the gross amount of bill will be deducted from the contractor as Tax deduction at source (TDS) as per rule.
19. Subsequent corrigendum, if required, shall appear in the website.
20. The Authority reserves right to reject any or all the tenders without assigning any reasons thereof.

-Sd-
Executive Engineer, (Agril.)
Northern Zone, Horticulture,
Sambalpur.

GOVERNMENT OF ODISHA
OFFICE OF THE EXECUTIVE ENGINEER OF HORTICULTURE (NORTHERN ZONE) ,
AT/PO- FARM ROAD, SAMBALPUR-768002 (email: eenzsbp@gmail.com)
Notice No.: 1301 / EE / Hort / NZ Dated 29-07-2026
Bid Identification No. 02 / Hort. / NZ / 2026-27 Dt. 29-07-2026

01	Total Nos. of works :	:	Ten
02	Estimated cost	:	Rs. 1000031.57/- to Rs. 4169327.16/-
03	Period of completion	:	90 days to 120 days
04	Date & Time of availability of bid document in the portal	:	From 10.00 Hrs. of 05-08-2026 to 17.00 Hrs. of 17-08-2026
05	Last date & time of dropping of copies of uploaded documents, draft, affidavits, Schedules etc. in the tender box at the office of the undersigned at Farm Road, Sambalpur -768002.	:	From 10:00 AM of 17-08-2026 to Before 17.00 Hrs. of 21-08-2026
06	Date & Time of Opening of bids	:	10.30 AM. of 25-08-2026 onwards
07	Name and Address of the officer inviting bid	:	Executive Engineer (Agril.), Northern Zone, Horticulture, At/PO -Farm Road, Sambalpur, Pin- 768002.

Further details can be seen from the web site www.tendersodisha.gov.in

-Sd-
Executive Engineer, (Agril.)
Northern Zone, Horticulture,
Sambalpur

Memo No. 1302 /EE/Hort./ NZ

Dated. 29-07-2026

Copy submitted to the Deputy Director (Advt)-Cum-Deputy Secretary to Govt. Information & Publication Relation Department, Odisha, Bhubaneswar along with soft copy for information with a request to publish this tender call notice **on or before dt. 05-08-2026** in two Odia local daily news papers & One local English daily news papers widely circulated as per the OPWD Code. Copy of the newspapers where in the advertisement is published may please be sent to this office for reference and record.

Encl: Soft copy of I.F.B. No.02 / Hort./ NZ / 2026-27

Through e-mail to ipr.advt@gmail.com / iprenews@gmail.com

-Sd-

Executive Engineer, (Agril.)
Northern Zone, Horticulture,
Sambalpur

Memo No. 1303/ EE/Hort./ NZ

Dated. 29-07-2026

Copy along with softcopy of Notice Inviting Tender submitted to the Head, State Portal Group, I.T. Centre of State Secretariat for information & necessary action with a request to display the Invitation for Bids in the official website.

Encl:-Soft copy through e-mail to tendersorissa@gmail.com

-Sd-

Executive Engineer, (Agril.)
Northern Zone, Horticulture,
Sambalpur

Memo No. 1304 /EE/Hort./NZ

Dated. 29-07-2026

Copy forwarded to the Assistant Director of Horticulture, Padampur/ Redhakhol/ Jharsuguda/ Deogarh/ Bargarh for information and necessary action for wide circulation of the tender call notice.

-Sd-

Executive Engineer, (Agril.)
Northern Zone, Horticulture,
Sambalpur

Memo No. 1305 / EE/Hort./ NZ

Dated. 29-07-2026

Copy to the Deputy Director Horticulture, Sambalpur/ Bolangir Executive Engineer (Agril), Sambalpur / Bargarh/Bolangir, Executive Engineer (CAD) Sambalpur, Project Director (Watersheds), /Sambalpur/ Bolangir for favour of kind information and necessary action for wide circulation of the notice.

-Sd-

Executive Engineer, (Agril.)
Northern Zone, Horticulture,
Sambalpur

Memo No. 1306 / EE/Hort./ NZ

Dated. 29-07-2026

Copy submitted to the Chief District Agriculture Officer, Sambalpur /Superintending Engineer (Agril.) Northern Zone, Sambalpur for favor of kind information and wide circulation.

-Sd-

Executive Engineer, (Agril.)
Northern Zone, Horticulture,
Sambalpur

Memo No. 1307 /EE/Hort./ NZ

Dated. 29-07-2026

Copy submitted to the Director of Horticulture, Odisha, Bhubaneswar / Director of Agriculture & Food Production, Odisha, Bhubaneswar / Chief Engineer (Agril), DA & FP, Odisha for favour of kind information.

-Sd-

Executive Engineer, (Agril.)
Northern Zone, Horticulture,
Sambalpur

CHECK LIST TO BE FILLED UP BY THE BIDDER

Name of the Work:- _____

Sl. No	Particulars	Reference to Clause no	Whether furnished		Reference to Page Number
			Yes	No	
01.	Cost of tender paper Rs. 10,000 /-	D.T.C.N Clause No.03			
02.	E.M.D.- 1% of tender amount (Scanned copy of the financial instrument shall be furnished)	D.T.C.N. Clause No.05			
03.	Copy of valid Registration Certificate	D.T.C.N Clause No.06			
04.	Copy of valid GST Clearance certificate (Updated copy of GST Return filled during last quarter)	D.T.C.N Clause No.06			
05.	Copy of signed PAN Card & Aadhar Card	D.T.C.N Clause No.06			
06.	No Relationship Certificate in Schedule–A , through an Affidavit.	D.T.C.N Clause No.11			
07.	Construction Works Experience Certificate in original	D.T.C.N Clause No.12			
(A)	List of projects executed that are similar in nature to the work (Schedule-C1)	D.T.C.N Clause No.12 &13			
(B)	Works in hand- List of projects in progress that are similar in nature to the work (Schedule-C2)	D.T.C.N Clause No.12 (ii)			
08. (A)	Information regarding current litigation, debarring / expelling of the tender or abandonment of the work by the bidder (Schedule-D)	D.T.C.N Clause No.09			
(B)	Affidavit (Schedule-E)	D.T.C.N ClauseNo.09			
09.	Communication Details (Schedule-G)	D.T.C.N ClauseNo.09			

Dated Signature of the Tenderer

OFFICE OF THE EXECUTIVE ENGINEER OF HORTICULTURE , NORTHERN ZONE, SAMBALPUR

Email Id: eenzsbp@gmail.com

CONTRACT DATA

A. GENERAL INFORMATION

Sl. No.	Particulars	Details
1	Bid Identification No.	02 / Hort. / NZ / 2026-27 Dt. 29-07-2026
2	Name of the Works	06. Construction of Boundary Wall At- CLN Lahandabud, Phase- I, District- Jharsuguda
3	Officer Inviting Tender	Executive Engineer of Horticulture, Northern Zone, , Farm Road, Sambalpur, Odisha
4	Accepting Authority	Executive Engineer of Horticulture, Northern Zone, , Farm Road, Sambalpur, Odisha
5	Estimated Cost	Mentioned against the work as per the Notice

B. BID INFORMATION

6	Intended completion period / Time period assigned for Completion as Per clause7 of DTCN		120 days from issue of work order
7	Last Date & time of submission of Bid Online (Clause No.1 of DTCN.)		From 10.00 Hrs. of 05-08-2026
			to 17.00 Hrs. of 17-08-2026
8	Date of submission of Copies of uploaded bid documents , EMD and tender fee in the tender box at the office of the EE, Horticulture (NZ), Farm Road, Sambalpur-768002		Time:11.00AM to 5.00 PM (except Govt. holidays)
			From 11:00 AM of 17-08-2026 to Before 17.00 Hrs. of 21-08-2026
9	Cost of Bid Document (Clause No.3 of DTCN.)		
	i	Bank Draft Amount	As Mentioned in DTCN document
	ii	In favour of	Assistant Director of Horticulture, Jharsuguda
	iii	Payable at	Jharsuguda
10	Bid Security (Clause No.5 of DTCN.)		
	i	Amount	Mentioned against work of the TCN list
	ii	Pledged in favour of	Assistant Director of Horticulture, Jharsuguda
	iii	Payble at	Jharsuguda
11	Bid Validity Period (Clause No. 8 of DTCN.)		120 days
12	Minimum Period of Contract		As per DTCN
13	Currency of Contract		Indian Rupees
14	Language of Contract		English

-Sd-

Executive Engineer (Agril.)
Northern Zone, Horticulture,
Sambalpur

Procedure to participate in online bidding e-procurement

1. PARTICIPATING IN THE BID IN THE E-PROCUREMENTPORTAL:

The Contractor/Bidder intending to participate in the bid is required to register in the Portal using his /her active personal/ official e-mail ID as his Login ID and attach his/her valid Digital Signature Certificate (DSC) to his/her unique Login ID. The DSC used must be of appropriate class(Class II or Class III) issued from a registered Certifying Authority such as n-Code, Sify, TCS, MTNL etc. He/ She has to submit the relevant information as asked for about the firm/ contractor. The portal registration of the bidder/ firm is to be authenticated by the State Procurement Cell after verification of original valid certificates/ documents such as (i) PAN and (II) Registration Certificate (RC)/ GST Registration Certificate and GSTIN (for procurement of goods) of the concerned bidder. The time period of validity in the portal is at par with validity of RC/ GST Registration Certificate and GSTIN. Any change of information by the bidder is to be re-authenticated by the State Procurement Cell. After successful authentication bidder can participate in the on line bidding process.

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

- a. To log on to the portal the Contractor / Bidder is required to type his / her *user name* and password. The system will again ask to select the DSC and confirm it with the password of DSC. For each login, a user's DSC will be validated against its date of validity and also against the Certificate Revocation List (CRL) of respective CAs stored in system database. The system checks the unique ID, password and DSC combination and authenticates the login process for use of portal.
- b. The tender documents uploaded by the Tender Inviting Officer in the web site <https://tendersodisha.gov.in> will appear in the section of "Upcoming Tender" before the due date of tender sale. Once the due date has arrived, the tender will move to "Active Tender" Section of the *home page*. Only as mail notification will be published in the news paper specifying the work details along with mention of the specific website for details .The publication of the tender will be for specific period of time till the last date of submission of bids as mentioned in the 'Invitation for Bid' after which the same will be removed from the list of Active tenders. Any bidder can view or download the bid documents from the website.
- c. Contractor exempted from payment of EMD will be able to participate in the tender directly by uploading document with the evidences towards his eligibility for such exemption.
 - 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. It is mandatory that the DSC issued in the name of the authorized signatory is used in the portal.
 - 1.2. In the case of any failure, malfunction, or breakdown of the electronic system used during the e procurement process, the tender inviting officer shall not accept any responsibility for failures or breakdowns other than in those systems strictly within their own control.
 - 1.3. Any third party/company/person under a service contract for operation of e-procurement system in the State or his/their subsidiaries or their parent companies shall be **ineligible** to participate in the procurement processes that are undertaken through the e-procurement system irrespective of who operates the system.

For submission of Bids through the E-Procurement Portal, the bidder shall up load the scanned copy/copies of document in prescribed format wherever warranted in support of eligibility criteria and qualification information. The online bidder shall have to produce the Original documents in support of

- the scanned copies and statements uploaded in the portal before the specified date as per DTCN.
- 1.4. Each bidder shall submit only one bid for one package. A bid is said to be complete if accompanied by cost of bid document and appropriate bid security. The system shall consider only the last bid submitted through the E-Procurement portal.
 - 1.5. The bidder may ask question related to tender online in the e-procurement portal using his/her DSC, provided the questions are raised within the period of seeking clarification as mentioned intender call notice / Bid. The Officer inviting the Bid/ Procurement Officer-Publisher will clarify queries related to the tender.
 - 1.6. The details of drawings and documents pertaining to the works available with the officer inviting the Bid as well as in the office of the **Deputy Director of Horticulture / Assistant Director of Horticulture** as mentioned in the Contract Data will be open for inspection by the bidders. The bidder is required to download all the documents for preparation of his bid. It is not necessary for the part of the Bidder to up-load other Bid documents (after signing) while up-loading his bid. He is required to up load documents related to his eligibility criteria and qualification information and Bill of Quantities duly filled in. It is assumed that while participating in the bid, the bidder has referred all the drawings and documents. Seeking any revision of rates or backing out of the bid claiming for not having referred to any or all documents provided in the Bid by the Officer Inviting the Bid will be construed as plea to disrupt the bidding process and in such cases the bid security shall be forfeited.
 - 1.7. Any addendum / corrigendum / cancellation of tender shall be published in the web site <https://tendersodisha.gov.in>, notice board and through paper publication and such notice shall form part of the bidding documents.
 - 1.7.1. The system generates a mail to those bidders who have already uploaded their tenders and those bidders if they wish can modify their tenders. The bidders are required to which the website till last date and time of bid submission for any addendum/ corrigendum/ cancellation thereof. Tender inviting authority is not responsible for communication failure of system generated mail. All the volumes/documents shall be uploaded / provided in the portal by the Officer inviting the bid. The bidder shall carefully go through the document and prepare the required documents and up load the scanned documents in Portable Document Format to the portal in the designated locations of Technical Bid. He will fill up the rates of items or percentage in the BOQ down loaded for the work in designated Cell and up loads the same in designated locations of Financial Bid. Bidders are to submit only the original BoQ uploaded by publisher after entering the relevant fields without any alteration/deletion/modification. **Multiple BOQ submission shall lead to cancellation of bid.** In case of item rate tender, bidders shall fill in their rates other than Zero value in the specified cells. In the percentage rate tender, the bidder quoting Zero value is valid and will be taken as Schedule of Rates. Submission of document shall be effected by using DSC of appropriate class.
 2. **PAYMENT OF EMD/ BID SECURITY AND COST OF BID DOCUMENTS:** The Bidder shall furnish, as part of his Bid, a Bid Security for the amount mentioned under NIT/Contract Data in **offline mode in the office of the Officer Inviting Tender**. Non-submission of bid security within the designated period shall debar the bidder from participating in the online bidding system and his portal registration shall be cancelled. His name shall also be informed to the registering authority for cancellation of his registration.
 - 2.1 The EMD or Bid Security payable along with the bid is 1% of the estimated contract value (ECV) or as mentioned in the bid document.
 - 2.2 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) and issue of acceptance letter. 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.

- 2.3 Contractor exempted from payment of EMD will be able to participate in the tender directly by uploading documentary evidences towards his eligibility for such exemption.
3. **FORMAT AND SIGNING OF BID:** (Logging to the Portal)-The Contractor/ Bidder is required to type his/her Login ID and Password. The system will again ask to select the DSC and confirm it with the password of DSC as a second stage authentication. For each login, a user's DSC will be validated against its date of validity and also against the Certificate Revocation List (CRL) of respective CAs stored in system database. The system checks the unique Login ID, Password and DSC combination and authenticates the login process for use of portal. The bidder can download the tender of his choice and save it in his system and undertake the necessary preparatory work off-line and upload the completed tender at his convenience within the final date and time of submission. The bidder shall only submit single copy of the required documents and Price Bid in the portal. In the Financial bid, the bidder cannot leave any figure blank. He has to only write the figures; the words will be self-generated. The Bidders are advised to up load the completed Bid document well ahead of the last date & time of receipt to avoid any last moment problem of power failures etc.
- 3.1. The Bidder shall go through the Bid carefully and list the documents those are asked for submission. He shall prepare all documents including Declaration form, price bid etc and store in the system.
- 3.2. The bidder shall log on to the portal with his DSC and move to the desired tender for uploading the documents in appropriate place one by one simultaneously checking the documents. Once the Bidder makes sure that all the documents have been up-loaded in appropriate place, he clicks the submit button to submit the bid to the portal.
- 3.2.1. The bids once submitted can't 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 up loaded, the Bidder should activate submit button.
- 3.2.2. In the e-procurement process each process are time stamped. The system can identify each individual who has entered in to the portal for any bid and the time of entering in to the portal.
- 3.2.3. The Bidder should ensure clarity of the document up loaded by him to the portal especially the scanned documents by taking out sample printing. Non-submission of legible documents may render the bid non-responsive. However, the Officer inviting the Bid if so desires can ask for legible copies or original copies for verification within a stipulated period provided such document in no way alters the Bidder's price bid. If the Bidder fails to submit the original documents within the stipulated date, his bid security shall be forfeited.
- SUBMISSION OF BIDS:-**
- 3.3. The bidder shall carefully go through the tender and prepare the required documents. The bid shall have a Technical Bid and a Financial Bid. The Technical bid generally consists of GSTIN, PAN, Aadhar Registration Certificate, Affidavits and any other information required by O.I.T. The Financial Bid shall consist of the Bill of Quantities (BOQ) and any other price related information/ undertaking including rebates.
- 3.4. Bidders are to submit only the original BOQ (in .xls format) uploaded by Procurement Officer Publisher (Officer Inviting Tender) after entering the relevant fields without any alteration/deletion/ modification. Multiple BOQ submission by bidder shall lead to cancellation of bid. In case of items rate tender, bidders shall fill in their rates other than zero value in the specified cells without keeping it blank. In the percentage rate tender the bidder quoting zero percentage is valid and will be taken at par with the estimated rate of the work put to tender.
- 3.5. The bidder shall upload the scanned copy/ copies of document in support of eligibility criteria and

qualification information in prescribed format in Portable Document Format (PDF) to the portal in the designated locations of Technical Bid.

- 3.6. The bidder shall write his name in the space provided in the specified location in the Protected Bill of Quantities (BOQ) published by the Officer Inviting Tender. The bidder shall type rates in figure only in the rate column of respective items(s) without any blank cell in the Rate column in case of item rate tender and type percentage excess or less up to two decimal place only in case of percentage rate tender.
- 3.7. The bidder shall log to the portal with his/ her DSC and move to the desired tender for uploading the documents in appropriate place one by one simultaneously checking the documents.
- 3.8. Bids cannot be submitted after due date and time. The bids once submitted cannot be viewed, retrieved or corrected. The Bidder should ensure correctness of the Bid prior to uploading and take print out of the system generated summary of submission to confirm successful uploading of bid. The bids cannot be opened even by the O.I.T. or the Procurement Officer Publisher/ opener before the due date and time of opening.
- 3.9. Each process in the e-procurement is time stamped and the system can defect the time of login of each user including the Bidder.
- 3.10. The Bidder should ensure clarity / legibility of the document uploaded by him to the portal.
- 3.11. The system shall require all the mandatory forms and fields filled up by the contractor during the process of submission of the bid/tender.
- 3.12. The bidder should check the system generated confirmation statement on the status of the submission.
- 3.13. The bidder should upload sufficiently ahead of the bid closure time to avoid traffic rush and failure in the network.
- 3.14. The Tender Inviting Officer is not responsible for any failure, malfunction or break down of the electronic system used during the e-procurement process.
- 3.15. The Bidder is required to upload documents related to his eligibility criteria and qualification information and Bill of Quantity duly filled in. It is not necessary for the part of the bidder to upload the drawing and the other Bid documents (after signing) while uploading his bid. It is assumed that the bidder has referred all the drawings and documents uploaded by the Officer Inviting the Bid.
- 3.16. The Bidder will not be able to submit his bid after expiry of the date and time of submission of bid (server time). The date and time of bid submission shall remain unaltered even if the specified date for the submission of bids declared as a holiday for the Officer Inviting the Bid.
- 3.17. The 'Online bidder' shall digitally sign on all statements documents, certificates uploaded by him, owning responsibility for their correctness/ authenticity as per IT ACT 2000. If any of the information furnished by the bidder is found to be false/ fabricated/ bogus, his EMD/ BID Security shall stand forfeited and his registration in the portal shall be blocked and the bidder is liable to be blacklisted.

4. SECURITY OF BID SUBMISSION :

- 4.1. All bid data uploaded by the Bidder to the portal will be encrypted by the DSC of the opener(s). The system shall require all the mandatory forms and fields filled up by the contractor during the process of submission of the bid/tender.

- 4.2. The Bid shall be received in encrypted format by the system which can only be decrypted /opened by the authorized openers only on or after the due date and time.

5. DATE LINE FOR SUBMISSION OF THE BIDS:

- 5.1. The online bidding will remain active till the last date and time of the bid submission. Once the date and time (Server date and time) is over, the bidder will not be able to submit the bid. The date & time of bid submission shall remain unaltered even if the specified date for the submission of bids declared as a Holiday for the Officer inviting the Bid.

RE-SUBMISSION 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.

5.5. LATE BIDS :

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

5.7. MODIFICATION AND WITHDRAWAL OF BIDS:

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

5.10. OPENING OF THE BID:

- 5.11. Bid opening date is specified during tender creation or can be extended with corrigendum. This date is available in IFB, tender document as well as the home page of portal. Bid opening can be done by the authorized users which are defined during the tender publication / approval stage. The bids are encrypted using their public keys and can be decrypted only on or after the Bid Opening due date and time. The bid openers private key will be required to open the bids and all the openers have to log on to the portal during that time.

- 5.11.1. The bidders who participated in the on-line bidding can witness opening of the bid from any system logging on to the portal with the DSC away from opening place. **Contractors are not required to be present during the bid opening at the opening location if they so desire.**

- 5.11.2. Each activity is date and time stamped with user details. For time stamping, server time is taken as the reference.
- 5.12. In the event of the specified date of bid opening being declared a holiday for the Officer inviting the Bid/Engineer-in-Charge, the bids will be opened at the appointed time on the next working day.
- 5.13. 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".
- 5.14. The Bid openers; who have been pre-defined shall log on to the portal with their respective DSC. Unless all the Officers who have been declared as Opening officers, log on the portal with their DSC the Tender cannot be opened.
- 5.15. In case of non-responsive tender the officer Inviting tender should complete the e-Procurement process by uploading the official letter for cancellation / re-tender.

EVALUATION OF BIDS: -

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

- 5.15.1. After opening of technical bid, the bidder may be asked in writing / online (in their registered e-mail ID) to clarify on the uploaded documents provided in the Technical Bid, if necessary, with respect to any doubts or illegible documents required for Technical Evaluation. The Officer Inviting Tender may ask for any other document of historical nature during Technical Evaluation of the tender. Provided in all such cases, furnishing of any document in no way alters the bidders price bid. Non submission of legible documents may render the bid non-responsive. The authority inviting bid may reserve the right to accept any additional document.
- 5.15.2. 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
- 5.15.3. Immediately, on receipt of these clarifications, the Evaluating Officers; predefined in the system for the bid, will finalize the list of responsive bidders. They will log on to the site with their DSC and record their comments on the technical evaluation page in the system. The Officer Inviting the Bid if also the accepting authority, shall log on to the system with his digital signature and check the technical evaluation. He can either accept or pass on to the evaluating officers for re-evaluation. Upon acceptance of technical evaluation by the Accepting authority in the system, the system shall automatically generate letter to all the responsive bidders and the system shall forward the letter to all the responsive bidder that their technical bid has been evaluated responsive with respect to the data / information furnished by him and the letter shall also intimate him the date & time of opening of financial bid. The system shall also inform the non-responsive bidders in their e-mail ID that their bid has been found non-responsive.
- 5.16. 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.
- 5.17. The Procurement Officer-Evaluators will evaluate bid and finalized list of responsive bidders. Opening of price bid and evaluation of lowest bidder is subject to satisfaction of other qualification information.
- 5.18. The financial bids of the technically responsive bidders shall be opened on the due date of opening. The Procurement Officer-Openers shall log on to the system in sequence and open the financial bids.

- 5.18.1 The Financial Bid will be opened on the notified date & time in the presence of bidders or their authorized representative who wish to be present.
- 5.18.2 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.
- 5.18.3 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.
- 5.18.4 Rebate/discount offer if any uploaded to the system shall be declared and recorded first.
- 5.18.5 The Financial bid of the bidders shall be opened one by one by the designated officers. The system shall auto-generate the Comparative statement.
- 5.18.6 The Bidder can witness the principal activities and view the documents/summary reports for that particular work by logging on to the portal with his DSC from anywhere.
- 5.18.7 Procurement Officer- Openers shall sign on each page of the download BOQ and the Comparative Statement and furnish a certificate to that respect.
- 5.18.8 System provides an option to Procurement Officer Publisher for reconsidering the rejected bid with the approval of concerned Chief Engineer / Head of the Department.

6. CLARIFICATION AND NEGOTIATION OF BIDS:

- 6.1. 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 break downs of unit rates.
- 6.2. 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.

7. NOTIFICATION OF AWARD AND SIGNING OF AGREEMENT:

- 7.1. In the E-Procurement Portal, the system shall generate the template of award letter and the Officer Inviting the Bid shall mention the amount of Performance Security and additional security required to be furnished in the letter and intimate the bidders in his e-mail ID.
- 7.2. The Employer/ Engineer-in-Charge shall notify acceptance of the work prior to expiry of the validity period by cable, telex or facsimile or e-mail confirmed by registered letter. This letter of Acceptance will state the sum that the Engineer-in-Charge will pay the contractor in consideration of execution and completion of the works by the contractor as prescribed by the contract and the amount of performance security and Additional Performance Security required to be furnished. The issue of the letter of Acceptance shall be treated as closure of the Bid process and commencement of the contract
- 7.3. 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 there of to the Procurement Officer-Publisher. The Procurement Officer-Publisher shall upload the summery and declare the process as complete.

- 7.4. 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 or 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.

8. BLOCKING OF PORTAL REGISTRATION

- 1.1 If the registration Certificate of the contractor is cancelled / suspended by the registering authority / blacklisted by the competent authority his portal registration shall be blocked automatically on receipt of information to that effect.
- 1.2 The portal registration blocked in the ground mentioned in the above Para- 11.1 shall be unblocked automatically in receipt of **revocation order** of cancellation/ suspension/ black listing from the concerned authority.
- 1.3 The Officer Inviting Tender shall make due inquiry and issues show cause notice to the concerned Contractor who in turn shall furnish his reply, if any, within a **fortnight** from the date of issue of show cause notice. Thereafter the Officer Inviting Tender is required to issue an intimation to the defaulting bidder about his unsatisfactory reply and recommend to the Chief Manager (Tech) for blocking of portal registration **within 10 days** of intimation to the defaulting bidder regarding his unsatisfactory reply with intimation to the Registering Authority and concerned Chief Engineer/ Heads of the Department if any of the following provisions are violated.
- 1.3.1 Fails to furnish original Technical Documents 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) Fails to execute the agreement within the stipulated date.
- 1.3.3 If any of the information furnished by the bidder is found to be false/fabricated/bogus.
- 1.3.4 **Accordingly, the officer Inviting Tender shall recommend to the Chief Manager (Tech) State Procurement Cell, Odisha for blocking of portal registration of bidder and simultaneously action shall also be initiated by OFFICER INVITING TENDER for blacklisting as per Appendix-XXXIV of OPWD code Volume-II.**

The minimum period of blocking of Portal Registration shall in no case be less than 180 days.

OFFICE OF THE EXECUTIVE ENGINEER OF HORTICULTURE, NORTHERN ZONE,
SAMBALPUR

Email Id: eenzsbp@gmail.com

DETAILED TENDER CALL NOTICE

(As the work is time bound and there is no chance of spillover of funds to next year, ordinarily no time extension shall be granted other than exceptional condition like natural calamities (Flood, cyclone etc.) and of serious nature.

The bidders expecting time extension on ordinary grounds need not apply.)

Sealed **percentage rate** bids are invited on **ONLINE** in **single cover system** from **‘C & B’ Class** contractors registered with the State Governments as mentioned in the ‘e’ Procurement notice 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 as per the following clauses.

1. The Bid documents are available from official web site of Government: <http://www.tendersodisha.gov.in> From **10.00 Hrs. of 05-08-2026 to 17.00 Hrs. of 17-08- 2026, the last date and time of submission of Bid online as per the Contract Data .**
2. The Technical Bid documents (Cover-I) will be opened by the assigned officers of the Tender committee in the office of the **Executive Engineer (Horticulture.), Northern Zone, Horticulture, Farm Road, Sambalpur, Odisha** at **10.30 AM & onwards on Dt. 25-08-2026** in the presence of the bidders or their authorized representatives who wish to attend.
3. The cost of Bid documents in shape of demand draft issued from any nationalized scheduled bank should be prepared in the name of the **Assistant Director of Horticulture, Jharsuguda** and payable at **Jharsuguda** , the place as mentioned in the **Contract Data** for **Rs.10,000 /-** as mentioned in the ‘e’ Procurement notice & DTCN towards the cost of bid. The Bid cost shall be **deposited in shape of Bank Draft prepared on or before the last date of receipt online along with the copies of the Bid documents uploaded, in the tender box placed at O/O Executive Engineer of Horticulture, Farm Road, Sambalpur-768002.**
4. The on line bid must be accompanied with bid security declaration (Annexure-I) for the work towards **bid security** as specified in the **Contract Data** and in no other form. Bidders desirous to hire machineries or equipment from outside the State or owned but deployed outside the State are required to furnish the bid security declaration (Annexure-I) as specified in the **Contract Data**. Bid not accompanied with bid security declaration (Annexure-I) as specified above shall be liable for rejection. **(Order No.-8943 Dt.18.3.2021 of Finance Department, Govt. of Odisha).**
5. The bidder has to submit the scanned copies of **contractor registration certificate, GST clearance (Last GST Return filed), Aadhar card and PAN card , Schedules and the same in hard copy (self-attested)** at the time of submission of documents in tender box along with the draft bearing the cost of tender paper in an envelope packet with the name of work clearly written on the cover . The tender Inviting authority **will verify** the original of all the scanned documents of the **successful lowest bidder only** within 30 days of opening of tender. In the eventuality of failure on the part of the lowest successful bidder to produce the original documents, he will be debarred in future from participating in tender for three years and will be black listed by the competent authority. In such a situation, successful L-2 bidder will be required to produce his original documents for consideration of his tender **at the negotiated rate equal to L-1 bidder. Furnishing scanned copy of such documents along with the Technical Bid in the tender box is mandatory otherwise his/ her bid shall be declared as non-responsive and thus liable for rejection.**

6. The work is to be completed in all respects within the **time period** as specified in the **Contract Data** to complete the work within **this financial year 2026-27**. Bidders whose bid is accepted must submit a **work programme** at the time of execution of Agreement.
7. 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.
8. 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 (in original) to this effect is to be furnished in Schedule-E. Non furnishing of the scanned copy of information in Schedule –D and required affidavit in Schedule –E, the bid document will be summarily rejected.**

9. (Optional) The Civil contractor in order to take part in the turn-key tender like in the instant case should enter into a Joint Venture agreement with the eligible Registered P.H. and Electrical contractors who will be the associates in the Joint Venture and the Affidavit in original for the work after due registration under the appropriate legal authority / forum must be submitted along with other requisites in the Cover-I. as mentioned in clause.7 above. However the scanned copy of this agreement must be submitted on online along with other documents under Cover-I. This Joint Venture Affidavit document will form a part of the agreement. If the Civil contractor possesses registration for P.H. and Electrical works under the same name and style, then his above concept of Joint Venture may not be applicable to him. Also, the tenderer having registration for civil works may not co-opt any associate in the joint venture for P.H. works. However, it is binding on his part to enter into Joint Venture Agreement for the Electrical Installations component of the work. It may be specifically noted in clear terms that **the Joint Venture should be done with the other associates as stated above for the particular work as mentioned in this DTCN**. No generalized or common agreement document will be entertained which will mean works other than the composite work as in DTCN. Such generalized Joint Venture will render the bid for **Rejection**. The civil contractor who has put the tender or his duly authorized representative only will be responsible to the Engineer-in-Charge for all contractual obligations for execution of work for Civil, P.H. and Electrical items of work. He alone and not the E.I. associate in the Joint Venture will sign the agreement with PWD, GED, Executive Engineers for their respective portions.

10. **(Compulsory) No Relation certificate.** The bidder has to furnish the no relation certificate in schedule-A in shape of an affidavit.

The contractor shall furnish a certificate along with the tender to the effect that he is not related to any officer in the rank of an Assistant Engineer & above in the state Dept. or Assistant/Under Secretary & above in the Administration 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 provided in a separate sheet vide Schedule-A.**

11. (i) **Each bidder is to submit along with bid a note regarding his Experience on construction of Similar Nature of Works (60 % of the tender value).**

- a) Name of the work: -
- b) Estimated Cost: -
- c) Total Qty: -
- d) **Major Item of works: -**
- e) Quantity of items
- f) Date of Commencement:
- g) Stipulated date of Completion: -
- h) Actual date of completion: -
- i) Other details if any. : -
- i) As per Agreement: - , ii) As per execution: -

- ii) **The prospective applicant in its name should furnish list of similar nature of work satisfactorily completed in last Three (3) Financial Years in Schedule-C1 and list of works in progress in Schedule- C2 duly counter signed by the concerned departmental Executive Engineer – in – Charge of the project.**

- iii) **(Optional) Each bidder has to submit a list of Tools & Plants possessed by him as per schedule-C**

12. If an individual makes the application, the individual should sign above his full type written name and current address.
13. If the application is made by proprietary firm, it shall be signed (with DSC) by the proprietor & furnish full type written name and the full name of his firm with its current address in a forwarding letter.
14. If the application is made by a firm in partnership, it shall be signed (with DSC) by a partner holding power of attorney for the firm in which case a certified copy of the power of attorney shall

- accompany the application. A certified copy of the partnership deed and current address of all partners of the firm shall also accompany the application.
15. If the application is made by a limited company or a corporation, it shall be signed (with DSC) by a duly authorized person holding power of attorney for signing the application in which case a certified copy of the power of attorney shall accompany the application. Such limited company or corporation will be required to furnish satisfactory evidence of its existence along with the technical bid.
 16. 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.
 17. No bidder will be permitted to furnish their bid in their own manuscript papers. All information should be submitted online in English.
 18. Submission of more than one tender by a bidder for a particular work will liable for rejection of all such tender papers.
 19. **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.
 - (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 one decimal point only**. If he writes the percentage excess/less up to two or more decimal points, the first decimal point shall only be considered without rounding off.
 - (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
 20. 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.
 21. The drawings if any furnished with the bid are tentative and subject to revision or modification as tendered during the execution as per actual necessity and detail test conducted. But the tendered rate quoted by the bidder will hold good in case of such modification of drawings during the time of execution and shall in no way invalidate the contract and no extra monetary compensation will be entertained. The work shall however be executed as per final approved drawing to be issued by the Engineer-in-Charge as and when required.
 22. 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.
 23. 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.

24. 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.

25. (i) As per O.M. No-173 dt.03.01.2026 of Works Department ,Govt. of Odisha by adoption of incremental Additional Performance Security(APS) System bidder may quote the rates with justification for such a low bid through an affidavit to complete the works in all respect within stipulated time and as per agreement. If two or more bidders quoted same rate then the tender accepting authority will finalise the tender through a transparent lottery system, where all bidders / their authorized representatives, the Executive Engineer and Estimator / Designer (Assistant Agriculture Engineer) will remain present.

(ii) Additional Performance Security.

Additional Performance Security shall be taken on an incremental basis from the selected bidder for low bid prices in the project works as under:-

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 0% but not below 10% of the project cost put to bid .	No additional performance guarantee/security percentage is required.
2	Below 10% but not below 20% of the project cost put to bid	The additional performance guarantee /security percentage shall be incremented by 0.1% for every percentage of bid price below 10% of the project cost put to bid staring at 11% with the additional bid performance guarantee being 0.1% and this additional performance guarantee percentage shall be applied on the bid price
3	Below 20% or more below of the project cost put to bid	The additional performance guarantee /security percentage shall be incremented by 0.2% for every percentage of bid price below 20% of the project cost put to bid in addition to 1% of the bid price and this additional performance guarantee percentage shall be applied on the bid price.

iii:- The Additional Performance Security guarantee percentage shall be rounded off to the next lower percentage base on whether the decimal point of the percentage of bid price is below 0.5% or next higher percentage based on whether the decimal point of the percentage of bid price is 0.5 % or more.

iv:- The Additional Performance Security shall be treated as part of the Performance Security.

V:- Justification for abnormally low bids shall be scrutinize by the Departmental Technical Committee and recommended to the competent authority of the Administrative department for the approval of the Additional Performance Security (APS). An abnormally low bid is one in which the

Bid price, in combination with other elements of the Bid, appears so low that it raises material concerns as to the capability of the Bidder to perform the contract at the offered price. Procuring Entity may, in such cases, seek written clarifications from the bidder, including detailed price analyses of its Bid price in relation to scope, schedule, resource mobilization, allocation of risks and responsibilities, and any other requirements of the Bid document. If, after evaluating the analyses, the procuring entity determines that the Bidder has substantially failed to demonstrate its capability to deliver the contract at the offered price, the procuring Entity may reject the Bid/proposal. However, it would not be advisable to fix a normative percentage below the estimate cost, which would automatically be considered as an abnormally low bid.

25. 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.
26. The security will be refunded after one year on completion of the work in all respect provided the final bill is passed and will not carry any interest. Any defect noticed during the period of one year after the actual date of completion shall be rectified by the contractor at his own cost. Failure to rectify such completion, the cost involved to carry out the defective work shall be met from his dues available with Department. (Ref. Works Dept. Order No. 17823/WE dated 11-10-2006.
27. 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.
28. 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. (not applicable for work within 50.0 Lakhs estimated cost)
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.
29. The authority reserves the right to reject any or all the tenders received without assigning any reasons there-of what so ever.
30. The bid security (earnest money) will be retained and dealt with as per the terms and conditions of the OPWD Code. All other amendments time to time OPWD code so revised will be taken into force.
31. i) **The Notification of award will constitute the formation of the contract, subject only to the furnishing of a Performance Security (Initial Security Deposit i.e: 1%) and Additional Performance Security in form of Fixed Deposit Receipt of Schedule Bank/Kissan Vikash Patra /Post Office Savings Bank Account/ National Savings Certificate/ Postal Office Term Deposit Account duly pledged in favour of the Assistant Director of Horticulture, Jharsuguda and payable at Jharsuguda , the place as specified in the Contract Data and in no other form , which including the amount already deposited as bid security (Earnest money) shall be 1% of the value of the tendered amount (excluding 1% deposited towards hiring of equipment/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 Executive Engineer (Agril.), Northern Zone, Horticulture, Farm Road, Sambalpur, Odisha and payable at the place as specified in the Contract Data or as directed. The Security Deposit together with the Earnest Money and the amount withheld according to the provision of P1 agreement shall be retained as security for the due fulfillment of this contract and Additional Performance Security in accordance with the provisions of the agreement. (Office memorandum No.-8943 Dt.18/03/2021 of Finance Department Govt. of Odisha) will be followed.**
ii) No contract (tender) shall be finally accepted until the required amount of Initial Security

- Deposit including EMD and Additional Performance Security deposit are received by the Engineer-in-Charge. The Initial Security will be refunded after One year of completion of the work & completion of Audit and after payment of the final bill and will not carry any Interest.**
- iii) **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.**
- 32.** 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.
- 33.** 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.
- 34.** 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.
- 35.** In case of any complaint by the labour working about the nonpayment 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.
- 36.** 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, octroi duty, all other taxes including sales tax, 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 as well as for the work.
 - d. Fees and duties levied by the municipal, canal or water supply authorities.
 - e. Suitable equipment's 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.
- 37.** 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.
- 38.** 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.
- 39.** 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.

40. The bidder shall have to abide by the C.P.W.D. safety code rules introduced by the Government of India, Ministry of work Housing and Supply in their standing order No-44150 dtd.25.11.57.
41. 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 the office issuing the documents 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.
42. Bidders are required to go through each clause of Form **P-1** carefully in addition to the clause mentioned herein before tendering. In case of ambiguity, the clauses of Form **P-1** with latest amendments shall **supersede** the condition of **D.T.C.N.**
43. Steel shuttering & centering shall be used which shall be lined with suitable sheeting and made leak proof and water tight.
44. 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.
45. 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.
46. **Branded Cement (Konark/ACC/ Dalmia DSP/Ultratech/Nuvoco/Birla/Ambuja) shall be used and weight of one bag of cement being taken as fifty (50) Kg.**
47. **MS round/ deformed/ tor steel HYSD bar reinforcement (of only manufacturing companies such as SAIL/ RINL/ TATA/ JINDAL Steel/ SHYAM Steel are to be used.**
48. The bidder should arrange the materials like Steel, Cement, Paint 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.**
49. 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.
- 50.
- (i) 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.
51. 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.
52. No extra payment will be made for the jungle clearance for taking earth from the borrow areas. Earth work from cutting shall be economically utilized in filling.
53. 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.
54. 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.
55. 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.

56. 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 Engineer or sub-Divisional Officer. The contractor shall bear the cost so involved in testing. The test specimen in cube should be carried out in the Departmental Quality Control and Research Laboratory of Cuttack or Bhubaneswar. Test should be carried out in accordance with the stipulation in Bridges code section-III.

c) Test specimens shall be formed carefully in accordance with the standard method of taking test specimen and no plea shall be entertained later on the grounds that the casting of the test specimen was faulty and that the result of the specimen did not give a correct indication of the actual quality of concrete.

d) Plain concrete and reinforced concrete specimens will be tested in Government Test Houses at Quality Control and Research Laboratory at Bhubaneswar. Cost of testing of all specimens and samples will be borne by the Contractor.

e) Cement or grout in coarse aggregate placed in position shall not be permitted.
57. Concrete of strength below of the required strength (as determined by actual tests) shall not be accepted.

58. No claim for carriage of water what-so-ever will be entertained.

59. **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 with taxes , 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.

60. The prevailing percentage of Income **Tax** Department of the gross amount of the bill towards income tax will be deducted from the contractor's bill.

(i) Present rate of **GST** on the gross amount of the bill will be deducted from the contractor's bill, where Agreement Value is one lakh and above.

(ii) The contractor is required to pay **Royalty** to Govt. as fixed from time of time and produce such documents in support of their payment to the concerned **Drawing & Disbursing Officer** with their bills including Additional charges, DMF & EMF charges fixed by district administration, 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 revenue of concerned department.

61. **LABOUR CESS @ 1 (one)%** of the amount of the estimated cost as per Tender notification read with latest corrigendum if any will be proportionately deducted from the Contractor's bill at the time of making payment of each bill.

62. Under no circumstances **interest** is chargeable for the dues or additional dues if any payable for the work.

63. **Under section 12 of contractors labour (Regulation and Abolition) Act. 1970 the contractor who undertakes execution of work through labour should produce valid license from licensing authorities of labour Department.**

64. **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.

65. **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 Engineer-in-Charge to be amended and **made good by the contractor at his own cost** unless the Engineer for reasons to be recorded in writing shall be decided that they ought to be paid for and in case of default Department may recover from the contractor the cost of making good the works. The defect liability period for the work is **12 (twelve) calendar months** from the date of successful completion of the work.

66. From the commencement of the works to the completion of the same, they are to be under the contractors charge. The contractor is to be held responsible to make good all injuries, damages and repairs occasioned or rendered necessary to the same by fire or other causes and they hold the Govt. of Odisha harmless for any claims for injuries to person or structural damage to property happening from any neglect, default, want of proper care or misconduct on the part of the contractor or any one in his employment during the execution of the work. Also no claim shall be entertained for loss due to earthquake, flood, cyclone, epidemic, riot or any other calamity whether natural or incidental damages so caused will have to be made good by the contractor at his own cost.
67. 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.
68. 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 whatsoever will be entertained on this ground. The rate quoted by the contractor should be inclusive of all such charges.
69. The details of foundation, sub-structure and floor protection for execution shall be done in accordance with the test results thus obtained.
70. The contractor shall have no claim whatsoever for the extra quantity of work to be executed in view of above possible changes and payments is to be made as per Clause of the Contract.
71. 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 Mo SRT&H Specifications with latest revision / amendment are also binding on the part of the contractor.
72. 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.
73. 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.
74. 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.
75. 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.
76. 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.
77. 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.
78.
 - 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.

79. 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.

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

81. 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.

82. 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):-

84. Progress of work and Re-scheduling programme.

- i) The Executive Engineer / Engineer-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.
- ii) **Within 15 days of issue of the letter of acceptance**, the contractor shall submit to the Engineer-in-Charge for approval a Programme showing the general methods, arrangements, and timing for all the activities in the Works along with monthly cash flow forecast.
- iii) 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, $\frac{1}{4}$ th of the whole time allowed under the contract has elapsed, $\frac{1}{2}$ of the whole of the work before $\frac{1}{2}$ of the whole time allowed under the contract has elapsed, $\frac{3}{4}$ th of the whole of the work before $\frac{3}{4}$ th of the whole time allowed under the contract has elapsed.
- iv) If at any time it should appear to the Engineer-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 Engineer-in-Charge, a revised programme showing the modifications to such programme necessary to ensure completion of the works within the time for completion. If the contractor does not submit an updated Programme within this period, the Engineer-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.
- v) 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.
- vi) The Engineer-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 Engineer-in-Charge again at any time. A revised Programme is to show the effect of Variations and Compensation Events.

85.Extension of the Completion Date.

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 Engineer-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. 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 Engineer-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.
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 Engineer-in-Charge but shall never the less 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 Engineer-in-Charge to proceed with the works.
4. Force majeure, or
5. Abnormally bad weather, or
6. Serious loss or damage by fire, or
7. Civil commotion, local commotion of workmen, strike or lockout affecting any of the trades employed on the work, or.
8. Delay on the part of other contractors or tradesmen engaged by Engineer-in-Charge in executing work not forming part of the Contract.
9. 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
10. Any other cause, which, in the absolute discretion of the authority mentioned, in Contract data is beyond the Contractors control.
 - ii. 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.
 - iii. 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 Engineer-in-Charge in writing, within 1 months of the date of receipt of such request. Non-application by the contractor for extension of time shall not be a bar for giving a fair and reasonable extension by the Engineer-in-Charge and this shall be binding on the contractor.

86. Compensation for Delay.

- iv. If the contractor fails to maintain the required progress in terms of clause of **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 Superintending Engineer (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 of **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 Engineer-in-Charge which formed a part of agreement) or the rescheduled milestone(s) in terms of Clause of **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 what so ever shall be payable on such withheld amount.

87. Management Meetings.

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

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

As per said amendment a Contractor may be blacklisted

- a. 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 tender.

89. ELIGIBILITY CRITERIA: - To be eligible for qualification, applicants shall furnish the followings.

- a. Required **E.M.D (Bid Security)** as per the **clause No. 05** and **Cost of Bid document as per Clause No.03 of DTCN.**
- b. Scanned Copy of valid Registration Certificate, Valid GST clearance certificate, PAN card, Adhar Card, Schedules, Experience Certificate, Joint venture along with the tender documents as per **Clause No.06 of DTCN.**
- c. Information in scanned copy regarding current litigation, debarring / expelling of the applicant or abandonment of work by the applicant.
- d. Submission of original Bid Security Declaration on letter head and tender paper cost as prescribed in the relevant clause of DTCN before the last date and time of submission of bid within the stipulated date & time for opening of the bid.

Total: -89 (Eighty nine) clauses only.

-Sd-

**Executive Engineer (Agril.)
Northern Zone, Horticulture,
Sambalpur**

SECTION-II

GENERAL INFORMATION & TECHNICAL SPECIFICATION OF Works:

As SPECIAL CONDITIONS: (PART OF THE CONTRACT):

All materials before they are being used in the items of works as per this Schedule of quantities and also the finished items of work where tests are applicable shall have to be tested through the Engineer-in-charge of the respective wing at appropriate laboratories according to the relevant I.S. specifications of the materials and the said items of works and the cost of all such tests shall have to be borne by the Contractor and the rates of the items of works should be inclusive of cost of such tests.

All reinforced cement work should conform to Orissa Detailed specification and should be of proportion as per Contract Agreement having desired compressive strength (in work test) in 15 Cm cubes at 28days, after mixing and test conducted in accordance with IS 456 and IS 516.

All fittings for doors and windows P.H. & Electrical works as supplied by the Contractor should be of best quality and conform to relevant I.S. specification and should be got approved by the Engineer-in-charge of the respective wing before they are used on the work

The contractor 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. The coarse and fine aggregate shall meet the grade requirement as per the latest provision of relevant. I.S. Code / I.R.C. code / MoRT&H specifications.

All items of work as per schedule of quantities of this tender should confirm to Orissa Detailed Standard Specification. I.R.C. & I.S.I. Codes & Bridge code section I,II, III,IV & VII & latest design criteria for pre-stressed concrete bridge specially for Roads & Bridges issued by MoRT&H., Government of India.

Centering & Shuttering shall be with suitable steel shutters in side of which shall be lined with suitable sheeting and made leak proof and watertight. All joints in formwork shall be properly sealed preferably with P.V.C. joints sealing tapes & compounds.

PART-I: TECHNICAL SPECIFICATION OF CIVIL PORTION OF WORK:

TECHNICAL SPECIFICATION OF CIVIL PORTION OF WORK

(To vary as per the scope of the Work)

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

1.	Cement	Will be as per I.S. 269/255 (However the grade of cement to be selected by the Engineer-in-Charge of work and compressive cube test before commencement of work in each batch).
2.	Steel	I.S. 432 (Plain) and 1786 (Tor)
3.	Vibrator	I.S. 7246
4.	Aggregate	I.S. 383, I.S. 515
5.	Water for mixing and curing	Shall be clean, free from injurious amount of oil, salt, acid, vegetable materials and other substances and harmful to concrete in conformity to I.S. 456 and I.S. 2025.

6.	Sand/ Fine Aggregate	I.S. 2116, 383
7.	Binding wire	I.S. 280 (galvanised minimum 1 mm)
8.	Rain water pipe	I.S. 2527
9.	Construction joints	I.S. 3414
10.	Steel Window Frame	I.S. 1038/83

11.	Steel Door Frame	I.S. 4351/75
12.	Fitting & Fixtures for joinery works	Conforming to I.S. 7452/82 strictly conform to I.S. specification and as per direction of Engineer-in-Charge.

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

ITEM OF WORK

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

Materials of following specification are to be used in work. The contractor is expected to possess and be well conversant with the following IS standard and code of practice. IN CASE OF NON AVAILABILITY OF MATERIAL OF THE SPECIFIED BRAND, ALTERNATIVE

MATERIALS CAN BE UTILISED WITH DUE APPROVAL OF THE TENDER ACCEPTING AUTHORITY

CEMENT : KONARK/ACC/ULTRATECH-43 grade (IS-1489/1991 and IS 12269/1987)

STEEL/REINFORCEMENT : SAIL/RINL/TISCON/JINDAL/SHYAM-(Fe-500D-I.S-1786/2008)

VITRIFIED TILES : JOHNSON/KAJARIA/SOMANY

CERAMIC TILES : SOMANY/KAJARIA/ JOHNSON

CEMENT CONCRETE TILES : ULTRA/EUROCON or EQUIVALENT

CEMENT CHECQUERED TILES : GICCO or EQUIVALENT

WATER PROOFING COMPOUND : FOSROC / SIKAPIDILITE

INSIDE EMULSION PAINTS : ASIAN-APCOLITE ULTIMA/ BERGER-EASY CLEAN/
DULUX -SOLITAIRE-A1000

OUTSIDE WEATHER COAT PAINT : ASIAN-APPEX / BERGER-ANTIDUSTT/ DULUX- WEATHER SHIELD E1000

ENAMEL PAINT (HIGLOSS) : ASIAN/BERGER/DULUX

ANTITERMITE : BAYER/DURBAN/ TAFABAN

WATERPROOFING CEMENT PAINT: ASIAN/BERGER/SURFA COAT

CEMENT PRIMER(OUTSIDE WALL) : ASIAN/BERGER/DULUX

PRIMER FOR INSIDE WALL : ASIAN (DECO)/BERGER/DULUX (SEALER A700)

M.S. SECTION : JINDAL, TISCON, SAIL

EPOXY GROUT(FOR TILE) : SIKAPIDILITE

ANCHOR BOLT : FISCHER, HILTI

(FIXING OF CHOUKATH & WINDOW)

GLASS : MODIFLOAT/ASAHI/SAINTGOBAIN

PUTTY : BIRLA/JK/DALMIA MAGIC

ALUMINIUM SECTIONS : JINDAL/INDAL/OEL/HINDALCO/ALUM

ADHESIVE : FEVICOL/ARALDITE/ROYAL BOND

FLUSH DOOR : GREENPLY/MAYUR/CENTURY/
 BLOCK BOARD & PLYWOOD : GREENPLY/MAYUR/CENTURY/
 LAMINATES : GREENPLY/MAYUR/CENTURY/
 LOCKS : GODREJ/DORSET/HAFELLE
 HARDWARES : DORMA/HAFELLE/SUJU/DORSET
 CEMENT CONCRETE PIPES : INDIAN HUME PIPE/MM METAL & CO
 DOOR CLOSER : DORMA/HAFELLE/HARDWYN/GODREJ
 FRP DOOR : RAJASHREE/KRISHNA/DARWAJA
 ALUMINIUM WINDOW : DOMAL/REKLAD
 STEEL SECTION : TATA/JINDAL/SAIL (GR-304)
 PAVER BLOCK : TUFFSTONE/EARTH PAVER

Aggregate : I.S. 383, I.S. 515

Water for mixing and curing : shall be clean, free from injurious amount of oil, salt, acid, vegetable materials and other substances and harmful to concrete in conformity to I.S. 456 and I.S. 2025.

Sand/ Fine Aggregate : I.S. 2116, 383

Binding wire : I.S. 280 (galvanised minimum 1 mm)

Rain water pipe : I.S. 2527

Construction joints : I.S. 3414

Steel Window Frame : I.S. 1038/83

Steel Door Frame : I.S. 4351/75

Fitting & Fixtures for joinery works: Conforming to I.S. 7452/82 strictly conform to I.S. specification and as per direction of Engineer-in-Charge.

IS (Indian standard) Specification to be followed for the-ITEM OF WORKS:

1. Concrete shall be with conformity to I.S.456.
2. Foundation shall be with conformity to I.S.1080.
3. Stone masonry (R.R.) shall be with conformity to I.S.1597 (Part-I)
4. C.R. Masonry shall be with conformity to I.S.1597.
5. Brick masonry shall be with conformity to I.S.2212.
6. Cement plastering shall be with conformity to I.S.9103 & 6925.
7. Mortar shall be with conformity to I.S.2250
8. White and colour washing shall be with conformity to I.S.6278.
9. CC in foundation shall be with conformity to I.S.2571.
10. Anti-Termite Treatment shall be with conformity to I.S.6813. (Part – I & Part – II)
11. Painting to all surfaces shall be with conformity to I.S.2395 (Part – I & Part – II)
12. DPC shall be with conformity to I.S.3067
13. Steel painting shall be with conformity to I.S.1477 (Part – I & Part – II) I.S.166

SAFETY MEASURES

1. The contractor should barricade all openings near his work place properly.
2. The contractor should use sand materials for staging shuttering work. It should be strong enough to take the load. If staging shuttering work are to be executed on filled up area, due care should be taken to see that the filled up earth/sand are properly rammed.
3. The contractor should provide temporally hand rails to all staircases for use by the workers and supervising officers.
4. The temporary staircases made during centering should be strong enough for movement of workers with materials.
5. During de-shuttering operation, suitable step should be taken so that the centering materials will not fall.
6. All external and internal scaffolding works for plastering, painting etc. are to be done properly. Safety belts should be used by the workers while working.
7. Any other safety measures that may be required during construction should also be taken in addition to the above.
8. The contractor should have one First Aid Box at the site to provide first aid to the workers.
9. Suitable care should be taken for any fire during execution of the work either from direct fire or from electric fire.
10. Suitable lighting arrangements should be during execution of the work.
11. The rod and other materials should be properly kept so that they do not interfere in execution of the work
12. The contractor shall not keep any labour inside the incomplete building during the construction.
13. Temporary electric lines should be properly drawn and all labour should be instructed to be very careful while using the same.
14. Safety helmets should be used by the workers and supervisors during execution of the work.

Part-III: TECHNICAL SPECIFICATION OF ELECTRICAL INSTALLATION WORK:

I. TECHNICAL

1. General Requirements:

The installation shall generally be carried out in conformity with the requirements of Indian Electricity Act, 1910 as amended up to date and the Indian Electricity rules, 1956 framed hereunder, the relevant regulations of the electricity supply authority concerned, and also with the specifications laid down in the Indian Standard ISS 732-1963, code of practice (Revised) for Electrical Wiring Installation (system voltage not exceeding 650 volts) and I.S.S. 2309-1969, code of practice for protection of Buildings and allied Structure against lightning.

2. Materials

All material, fittings, appliances, used in the electrical installation, shall conform to the Indian Standard Specification wherever these exist. A list of approved materials is attached after wards. Materials not included in the list shall be got approved by Architect / Engineer-in-charge, prior to actual use.

3. Installation of Panel Boards and cable connection

All cables shall be connected to a terminal only by soldered/ crimped lugs / cables sockets /bottle sockets unless the terminals are of such a form that they can be securely clamped without cutting away of cable stands. Where two or more B.D.B is feeding low voltage circuits are fed from different phase of a medium voltage supply, these B.D.B.'s shall be at least two meters apart. All three phase power distribution board shall be properly earthed with two numbers, No. 0 S.W.G., and G.I. wire and provided with suitable Danger Board. All B.D.B.'s shall be properly earthed with one no of No. 6 S.W.G., G.I. Wire.

4. Switches: All switches for lights, fan and plug point shall be modular/flush types with and socket in various points and electronic regulator type unless otherwise specified.

5. Cables and conductors

All cable should conform to relevant Indian Standard Specification conductor of all cables shall be either copper or aluminium as specified in the Price Bid.

All wires and cables shall be PVC insulated and unsheathed unless specified otherwise.

6. Conductor of flexible cables shall be of copper. The minimum size of core acceptable is 1.00 mm² (15/0.3mm). The maximum weight to which the following twin flexible cords may be subjected to, are as follows :Twin 15/0.3: 1.5 Kg

7. Installation of Main Switch Board, B.D.B.'s Main, sub-mains, Distribution wiring

to Individual Points. The exact position of all main switch board, B.D.B.'s and all runs of mains and submains, and distribution wiring to individual point including the exact position of all light fitting and switch board shall be first marked on the buildings and shall be approved by the Engineer-in-charge before actual commencement of work. The distribution board shall generally be installed at a height of 2.13 Mtrs. (7 feet) from the finished floor level.

8. Installation of switch board

These shall be installed at a height of 1.3 mtrs (4'3") above the finished floor level.

9. Installation of ceiling Fans:

Unless otherwise specified all ceiling fans shall be hung not less than 2.75 mtrs (9'-0") above floor the suspension rod and clamp shall be painted with approved paint without involving extra cost

10. Installation of Fluorescent light fittings/T5 type fittings

Where these are suspended from ceiling by two down rods each fixing to the ceiling shall be capable of sustaining at least 1.1 kg of dead weight.

The down rods and accessories shall be painted with approved paint without involving extra cost. Unless otherwise specified these should be suspended at a height of not less than 2.60mtrs. (8'-6") above the finished floor level.

11. Installation of Exhaust Fan

Exhaust Fan shall be fitted by means of rag bolts embedded in the wall. The required holes in the wall shall be made and finished nearly with cement plaster and brought to the original finish of the wall.

12. Installation of Socket Outlet

No socket outlet shall be provided in the bath room at a height less than 1.3 mtrs (4'-3") from finished floor level. No switches shall be provided in the bath room. Socket outlet at other locations than bathroom shall be either 30 cm (2'-0") or 130 cm (4'-3") from finished floor level.

13. Making good of damages to wall surfaces

Any damages to wall surface viz. plastering, colour washing, distempering, cement painting etc. shall be made good to the original finish by the contractor at no extra cost.

14. Looping-in-system

Distribution wiring in conduit to light, fan, plug point etc. shall be done in looping in system. In this system no joints or connections shall be made anywhere of the system except at terminating points such as the terminals of switches, ceiling roses etc. and in case of socket outlets at the socket terminals. All the Neutrals shall be joined in the junction box only with the help of neutral connector of 63 Amps. rating.

15. Earthing continuity wires

Insulated earth copper wire shall run inside the conduit throughout the installation and the earth terminals of the socket outlets, light fittings etc. shall be properly earthed.

16. Testing of Installation

Before and completed installation or an addition to an existing installation is put into service, the following tests shall be carried out by the electrical contractor in presence of the Engineer-in-charge

a) Polarity of Switches :It must be ensured by test that all single pole switches have been fitted on the live side of the circuits they control.

b) Insulation test.

- i) By applying a 500 volt magger between earth and the whole system of conductors or any section thereof with all fuses in place and all switches closed, all lamp in position or both poles of installation otherwise electrically connected together. The result shall not be less than 50 divided by the number of points on the circuit and need not be more than 11 megaohm.
- ii) Between all conductors connected to one phase and all conductors connected to the neutral or to the other phase conductors of the supply after removing all metallic connections between the two poles of the installation and switching on all switches, the insulation resistance shall be as in (I) above.
- c) The earth continuity conductor including metal conduits and metal sheathes of cables in all cases shall be tested for electrical continuity. Electrical resistance of the above along with the earthing lead but excluding any resistance of earth leakage circuit breaker, measured from the connection with earth electrode to any point in the earth continuity conductor in the completed installation shall not exceed one ohm.
- d) Earth resistance test To ensure effectiveness of installation Earth, the value of earth resistance shall be within 4 ohm for installation capacity up to 5 Kw and 1 ohm for installation of higher capacity.

17. To complete work will be taken over only if the results obtained in above tests are within the limits mentioned above, and in accordance with I.E. Rules. On completion of the installation work, a certificate shall be furnished by the contractor, countersigned by

the certified supervisor under whose direct supervisions of installation was carried out.

This certificate shall be in a prescribed form as required by the local Electric Supply Authority.

18. Special Specifications

- a) All switches, fittings etc. should be produced before Engineer-in-charge and got approved before fixing and must be I.S.I mark and properly earthed.
- b) Before any portion of conduit work for wiring is taken over in hand, a neat proper layout should be made out by the contractor and got approved from the Engineer-in-charge, for this purpose contractor is advised to get acquainted with the layout drawing.
- c) While laying the conduits for concealed wiring in the ceiling or in the beams and columns and before casting the contractor must ensure that all the inlets and both ends of the conduits are plugged by means of dead end sockets so that any foreign matter cannot enter the conduit and choke them.
- d) Damage to any fitting during erection and before handing over the installation by the contractor shall be set right or replace by the contractor at his own cost.
- e) Caution Board of proper size wherever required shall be provided as per I.E. rules for which no extra payment will be admissible.
- f) Any repairs to wall etc. should match with the surrounding surface otherwise same will be got done through other agency at the cost of the contractor.
- g) Earthing shall be done in the presence of the Engineer-in-charge or his authorized representative.
- i) The installation should not be carried without earthing.

19. Making of Chase / Groove in wall for laying conduit pipe

The chase/groove in the wall shall be neatly made and be of sample dimensions to permit the conduit to be fixed in the manner desired, size of chase/groove for 25mm bore conduit is to be 40mm x 40mm plaster cover at top shall be at least 3/8".

20. Fixing of conduit in Chase/Groove:

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 position 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 600 mm 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.

21. Inspection boxes / Switch boxes:

Suitable inspection boxes shall be provided when necessary to perform periodical inspection and to facilitate removal of wires. These shall be mounted flush with the wall/ceiling. For longer runs of conduit involving more than one bend, one inspection box/draw-in-box shall be used after one bend.

All ceiling outlets shall be terminated in a round C.I. circular box to suit standard size ceiling rose and/or rectangular M.S. junction box as the case may be. Use of junction boxes shall be made wherever possible to avoid looping inside switch board. All switch board / junction board shall be of concealed Galvanized steel sheet of make CPL / PRECISION / ELLORA of size 75mm x 75mm or 75mm x 126.6 mm or of any other size to suit the plate and shall be minimum 50 mm deep.

22. All outlets such as angle batten holder, ceiling rose etc. shall be flush mounting type with cast iron or M.S. boxes with a cover of 3 mm thick Bakelite of white colour of HYLAM/FORMIC make and shall be 3 1/2" in diameter. The ceiling rose or the angle batten holder shall be mounted on the Bakelite cover. All the switch boxes, junction boxes, circular boxes etc. shall be

efficiently earthed by means of running earth wire running inside the conduit.

23. CABLE INSTALLATIONS

All P.V.C. insulated and armoured cables to be used shall conform to I.S. 1554 Part-I/ 1964 (as amended up-to date) and should be of 650/1100 Volt grade. Old and used cables must not be used for installation. Only one make of cable shall be used. All cables brought to the site must be tested and got approved by the Engineer-in-charge, before these can be laid. The cables shall be dispatched to the site on wooden drums with ends sealed. Exact length shall be determined by the contractor after measurement at site.

a) Laying of Cable:(i) Direct in the ground

Trenches shall be 2'-6" deep (minimum) from ground level and trenching work shall include all pumping and boiling out water. These trenches shall be wide enough to accommodate & the cables that are being laid in the same trench with spacing in between as per specification given below. When more than one multicore cable is to be laid in the same trench, a minimum horizontal inter axial spacing between cable shall not be less than 10". After excavation of the trench of the proper size, the bottom of the trench shall be dressed and levelled and filled with a 3" layer of fine sand. The cable shall then be laid with bricks on both sides of cable continuously. After having the space within the bricks, filled and packed up to a level of 3" above the top of cable with fine sand, the top layer of bricks shall be placed side by side in continuous series as protective cover. Total no. of bricks required being 16 per meter run. The remainder of the trench shall be filled with riddled soil, well rammed and watered to a level of 3" above surrounding ground level; the ground level surface of the whole trench shall be restored properly after completion of cable laying.

(ii) Inside the building on walls:Cables shall be laid on walls/ceiling/structure, unless specified otherwise, with M.S. Brackets and suitable clamps or over claw type aluminium cleat fixed on M.S. brackets spaced not more than 1'-6" apart. Bolts of suitable sizes to be grouted on the wall properly for fixing the brackets.

(iii) Minimum bending radius permissible is 120 cm, for PVC armoured cables. At joints and terminals the individual core of multicore cable should never be bent so that radius is less than 12 times the diameter over the insulation.

b) Cable Joints
All cable joints shall be carried out by experienced and licensed jointers under strict supervision. Electroplated brass cable glands. Copper cable socket and approved jointing materials must be used. The price for cable jointing and finishing the ends of the cables shall include all materials and shall also provide for tools and plants for work. The cable armouring is to be properly terminated. All cable accessories and other associated materials shall conform to Indian Standard Specification wherever applicable.

(b) Testing of cab:Before the completed installation is put into service or handed over to Employer, the installation is to be tested with a 1000 volt Insulation Tester to the satisfaction of the Engineer-in-charge. The completed work will be taken over only if the results are acceptable to the Engineer-in-charge.

24. Earthing Installation:The installation shall generally conform to I.S. 3043/1966 (Indian Standard code of practice for Earthing as amended up to date)

(a) Earthing Electrode:The earthing electrode shall be galvanised pipe of class B Medium quality of 40 mm diameter bore and not less than 3.0 mtrs (10'-0") long. The pipe shall have 12 mm diameter holes at 15 cm centre to centre up to a height of 2.5 meters from the bottom end and one nos of 12 mm diameter hole at the top for making connection of the earth continuity wire of G.I. of No. 6 S.W.G.

(b) Earth pit for installation of Earth Electrode:The earth pit shall be at least 3.0 meters or 10 feet and 0.6 mtrs x 0.6 mtrs (2'-0" x 2'-0") in size. The earth electrode shall be placed in middle of the earth pit and the earth pit shall be filled with an alternative layer of 105 mm charcoal and 50 mm salt up to a depth of 465 mm and the rest shall be filled with charcoal to a further depth of 2035 mm and the balance shall be filled with riddled earth duly rammed and watered up to the original ground level.

(c) Earth continuity wire:Earth continuity wire of No. 6 S.W.G of G.I. shall be properly secured to the top of the earth electrode with the help of G.I. nuts and bolts and shall run up to the G.I. earth bus or shall connected to the Main Switch panel board as the case may be.

(d) Location of Earth Electrode:Electrodes shall be buried at least 2.00 mtrs (6'-6") away for the building or subject which is to be earthed. However earthing Electrodes where installed in parallel shall not be placed less than 2.0 mtrs (6'-6") apart and preferably placed at distance greater than twice their lengths. Electrodes shall not be located in entrances, pavement and roadways.

(e) Earth Bus-bar:The Bus bar shall be galvanised M.S. flat and shall be of size 40mm x 5mm, heavily galvanised and having adequate number of drilled and taped holes 30 cm apart, complete with G.I. bolts, nut washers for securely connecting the earth lead and earth continuity conductors. The bus bar shall be fixed on wall having clearance of 3" from wall with spacing insulator with at least two numbers of 13 mm G.I. rag bolts spaced about 0.5 meters apart.

(f) In case of installations where the load does not exceed 5 K.W. the resistance to the earth shall on no account exceed 5 ohms where the load exceed 5 K.W. the resistance shall not exceed 1 ohm. For substation the value is 1 ohm.

25. Specification for polythene pipe for conduct:

Only 25 mm outer diameter polythene pipe /PVC casing and capping with double lock pipe confirming to I.s. No. 6946/7 is to be used. Wires for more than one point may be drawn in the same pipe subject to due clearances inside the pipe.

26. LC. Installation / Earthing Lightning & Surge Protection Systems:

SPECIFICATION:

The Installation shall confirm to I.S. 2309/1969 as amended up to date.

(a) CONSTRUCTION OF L.C. SYSTEM: It shall be well galvanized No. 4 SWG G.I. Wire (Galvanizing confirming to B.S. 728/1961) unless specified otherwise. The conductor shall be well annealed and flexible.

(b) AIR TERMINAL: Five pronged air terminals, constructed of four pieces of No.4 SWG G.I. Wire each 10" long, bound and soldered to the down conductor 9" from the top and bend slightly outward, and stiffened with a 5'-0" (1.5 mts) long, 15 mm

class B, medium quality galvanised steel tube having a screwed galvanised M.S. flange 3" dia at bottom and for grouting in, shall be used unless otherwise specified. Minimum number of air terminals is two.

(c) CONDUCTOR ON PARAPET: The conductor shall be coursed along the ridges, parapet edges of the flat roof, over flat roof where necessary in such a way as to joint each air terminal to the rest. The conductors shall be fixed securely with galvanised iron staples 40 mm (3/2") long and spaced not more than 4'-0" (1.3 mts) apart.

(d) VERTICAL DOWN CONDUCTOR: These conductors, direct from the termination, shall be connected to the parapet conductor or air terminals and shall be coursed through shortest possible route without abrupt turns or kinks. While passing through corners, these shall pass through G.I. pipe (Class B) having adequate bore. These conductors shall be fixed securely with galvanised iron staples 40 mm (3/2") long and spaced not more than 3'-0" (1.00 mtrs) apart.

(e) PROTECTION AGAINST DAMAGE AND CORROSION: No upturns are permitted and any bend necessary shall have a permissible radius. The end of G.I. pipe protection on wall shall be properly sealed with bitumen compound to prevent corrosion.

(f) METALLIC OBJECT NEAR CONDUCTORS: The conductors shall be so laid as to maintain a separation distance exceeding 2 mtrs (6'-6") between (a) any electric conductors running in parallel (b) metallic objects, viz. Iron girders, water tanks, and iron staircase water/gas pipes inside or by the side of the building. All the external metallic objects viz. Water tanks gutters, rain water down pipes, water mains, etc. shall be bonded to the nearest conductor by means of a short tail.

(g) JOINTS AND BENDS: All joint in the conductor shall be made after cleaning and tinning the ends of conductors to be joined binding them together for about 100 mm with no. 12 SWG G.I. wire and then soldering. Bending shall be as short as possible. All joints and bends are to be mechanically and electrically sound.

(h) EARTH STATIONS: Similar to installation earth as specified elsewhere.
Minimum number of earth station is two.

(i) INSTALLATION TEST: After completion of work the ohmic resistance of L.C. Installation complete with air terminals (without earth connections) shall be measured from the highest point and this shall be a fraction of one ohm. The resistance to earth of individual earth stations shall be tested by earth testing merger and must not exceed 10 ohms. The above test shall be made in the presence of the electrical Engineer-in-charge and the result recorded.

27. Completion drawing The contractor shall be required to submit within two months from the date of completion of work, under noted drawings on tracing cloth.

(a) Plan (As per structural drawing) of each floor (scale not less than 5'-0"=1'-0" or 1:100 metric scale) showing position of points such as light point fan point, wall sockets etc. together with type of fixture and fittings circuit with phase identification mark and location of switches B.D.B. with number of ways position of earthing stations for light and power. Position of lighting conductor, earthing station and route of running conductor.

(b) The information of plans (a) Name of work with job nature accepted Bid number (b) date of completion, (c) Name of the place, (d) Name and signature of the contractor, (e) Scale of drawing.

(c) Schematic line layout diagram of each floor showing (I) layout and connection of main and sub-board B.D.B. having description of the site, capacity, type and Tender number supply system and source of supply, (ii) location size, type, length of main and submain cables, (iii) location of each B.D.B. indicating the passes, departmental mark on each B.D.B. and switch gear. The drawing shall be very neatly drawn and submitted properly without holding them. (d) Cable route should be marked on site plan with measurement from permanent structure.

(e) Single line diagram showing of the details of the power line distribution system in the building indicating the rating of main distribution box sub-distribution box, sizes of cable from control room to individual flats, rating of the main switch gears etc.

28. Fabrication of panel board

The drawing of the panel board indicating of the dimension of the panel board and the detail position of the various equipment and the electrical line diagram shall be submitted to the concerned Engineer-in-charge and got approved before fabrication of the panel board. Any panel board fabricated assembled without approving the drawing by the concerned Engineer-in-charge is liable for rejection and no compensation for the same shall be paid extra.

SPECIAL CONDITIONS FOR INTERNAL/EXTERNAL ELECTRIFICATION.

(1) The Installation shall generally be carried out in conformity with the requirement of Indian Electricity Act 2003 as amended up to date and the Indian Electricity Rules, 1956 framed there under, the relevant regulations of the Electric Supply Authority concerned and also with the specification laid down in the Indian Standard Specification and R.E.C. Specification and Construction Standard for Electrical Installation for External Electrification (system Voltage not exceeding 440 volts).

(2) All materials, fittings, appliances etc. used in the External Electrical Installation shall confirm to relevant Indian Standard Specification / R.E.C. Specification and construction standard wherever these exists. All the material used shall be got approved by the concerned Engineer-in-charge prior to actual use. The necessary completion certificate in the prescribed form shall be furnished by the contractor on completion of the work.

(3). After installation of the wiring the Bidder / Electrical Contractor should test the same in presence of the Electrical Engineer-in-charge for safety and durability as per its specification and I.E. Rules in force. He shall also get the Electrical Installation Inspected by the Electrical Inspector, Govt. of Orissa or his authorised representative and obtain necessary inspection report and clearance to energise by installation at his own cost. No extra payment whatsoever on this account will be payable.

4. Only material of the approved make as per the list enclosed shall be used. All the material before installation shall be checked and approved by the Electrical Engineer-in-charge. If necessary the materials may be sent for testing to any testing

laboratory inside or outside the state for confirming the quality and specification as per the Price . The cost towards testing has to be borne by the Bidder, and the same shall be deducted from his bill.

5. The work shall be carried out in accordance with the Price complete with cost of all material (except otherwise mentioned) and labour with T & P, sundries and accessories and all Electric Connections as required for the work as per drawing and design and direction of Engineer-in-charge.

6. The Electrical Installation work shall be carried out under the supervision of registered Electrical Contractor and Licensed Electrical Supervisor duly authorized by the 'Electrical Licensing Board, Govt. of Orissa' to carry out Electrical Installation work to domestic and Industrial Installation up to 650 volts. The copy of the valid Licence of the Electrical Contractor as above shall be submitted along with the Bid paper. Also a letter of consent from the Electrical Contractor in written to the effect that he will supervise the Electrical Installation Work and furnish the necessary test certificates duly signed by the Electrical Contractor should be furnished.

LIST OF APPROVED MAKE OF THE ELECTRICAL ITEM TO BE USED

Sl. No Description of Item Make

ELECTRICAL MAKE LIST

1 P.V.C. boxes of appropriate size for fixing Plate, switches and Blanking plates etc.:

LEGRAND/SCHNEIDER/MK

2 Ceiling Rose, Angle batten Holder with ISI mark: ANCHOR/CONA

3 5 Amps/250 Volts Modular/Flush type switch 2/3 Pin wall socket, Electronic Fan

Regulator, 15 Amps/250 Volts Switches, Sockets, T.V./Telephone Socket etc. of ISI mark:

ANCHOR/CONA/(For Flush Type)

MK-LEGRAND (Miries)/SCHNEIDER (Zencelo) FORMODULAR TYPE

4. FRLS Single core P.V.C. insulated and Unsheathed Copper conductor of 650/1100 Volt

grade 3 Confirming to IS:694/1977 of various sizes for wiring:

FINOLEX/HAVELLS/POLYCAB/VGUARD/KEI

5. D.B and B.D.B: Legrand (EKINDXE-3), Siemen (Betaground) Schneider (Acti9), L&T (AU)

6 Earthing pipe of Medium Quality "Class-B": TATA/JINDAL

7 Instrument, Meters (Voltmeter, Ammeter, etc.): L&T/SCHNEIDER/LEGRAND

8. 20/25MM Outer diameter, P.V.C. Casing and capping pipe: ANCHOR/POLYCAB/AKG

9 LED (Bulb & Tube light): PHILIPS/CROMPTON /HAVELLS /Bajaj)

10 Aviator light : PASOLITE, CROMPTON/PHILIPS/HAVELLS

11 EPABX SYSTEM : MATRIX/ACCORD/NEC

12 M.C.C.B. of various rating: L&T/CROMPTON /HAVELLS/LEGRAND/SIEMENS

13 MAIN SWITCH : HAVELLS/L&T/SIEMENS

14 M.C.C.B. of various rating : Legrand (DPX3), Siemens (3v4) Schneider (NSX), L&T - Dsine (MTX3.0)

15. Earthing Lightning & Surge Protection Systems: ABB/STORM KING/POWER TRAC

16. Fan/Ex Fan: USHA/CROMPTON/HAVELLS/ALMONARD

17. AIR CIRCUIT BREAKER : LEGRAND/ MK/SCHNEIDER (Master Pact NW) L&T - U Power (MT X 3.5) Siemens (3 VL)

18 MCB/RCCB/RCBO- Legrand-D X 3, Siemens-Betaguard, Schneider - Acti 9, L&T-AU

19 Cable- Poly Cab/Havells/KEI/V guard

20 Telephone Hand Set: Beetel/Binatone

21 Chemical Earthing : ABB/Star-X/Universal

Note: Where ever the make of the material has not been mentioned either in the above list or the schedule of material shall conform to the relevant IS specification and such material should be approved by the concerned Engineer-in-charge before the same is utilized in the work

C O D E S:

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

a) Indian Electricity Act, 1923 and Rules and Regulations made there under

b) The minimum wages Act, c) The Women's Compensation Act

d) The Payment of Wages Act, e) The Fatal Accident Act, f) The Industrial Employment Act, g) The Employment provident Fund Act, h) A.S.M.E. Test Codes

i) AIRE Test, Codes, j) American Society of Materials Testing Codes

k) Standards of the Indian Standards Institution,

1) Low Tension Circuit Breakers : IS 2516-1955 Part I Sec.1

2) Switchgear Bus Bars IS 375-1963, 3) HRC fuse links IS 2208-1962

4) Distribution fuse boards IS 2675-1966

5) Enclosure for Low Voltage switchgear IS 21470-1962, 6) PVC Cables IS 1554-1975

7) Tubular fluorescent lamps for Cameral lighting service IS 2418-1963

8) Tungsten Filament Lamps for cameral service IS 415-1963, 9) Ceiling Fans IS 274-1966

10) Flood lights IS 1947-1961, 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 IS5133-1969
- 14) Fittings for Rigid Steel conduit IS2667-1979
- 15) Rigid steel circuits for electrical wiring IS3837-1966
- 16) Accessories for Rigid Steel Conduits for Electrical Wiring IS3837-1966
- 17) Switch Socket Outlets IS3837-1966,18) PVC Wiring IS694-1977
- 19) Switches for domestic and similar purpose IS3854-1966,20) PVC wiring IS694-1977
- 21) Call Bell and Buzzers IS2268-1966,22) Straight through joint boxes and leads sleeves or paper insulated cables- EID-0032-1964,23) Earthing IS3043-1966
- 24) Electrical Wiring installations IS732-1963,25) Switchgear IS3072-1965 (Part I)
- 26) Lighting protection IS2309 –1969,27) Public Address system IS1882-1962
- 28) Low Tension switch use units IS4064-1978,29) Code of Practice for Automatic FIRE ALARM 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

CERTIFICATE OF NO RELATIONSHIP (In shape of Affidavit)

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

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

(*)-Strike out which is not applicable

Signature of the

Tenderer Date:-

CERTIFICATE OF EMPLOYMENT OF UNEMPLOYED
GRADUATE ENGINEER / DIPLOMA HOLDERS
(Only for Superclass / Special class / A class contractors only)

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

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

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

Signature of the Tenderer.

Date

:-

WORKING EXPERIENCE (certificate from competent authority executed during last three years)

C-1. LIST OF SIMILAR NATURE OF PROJECTS EXECUTED

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

Signature of the Tenderer.
Date:

WORKING EXPERIENCE (Optional)
C-2. LIST OF SIMILAR NATURE OF PROJECTS UNDER PROGRESS

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

Signature of the Tenderer.
Date

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

- | | | | |
|----|----|---|--------|
| 1. | a) | Is the tenderer currently involved
In any litigation relating tot he
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
duringthelast5years. | Yes/No |
| 3. | a) | Has the tenderer or any of its
Constituent partners failed to
Perform on any contract work in
India during the last 5 years. | Yes/No |
| | b) | If yes, give details: | |

Note:

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

Signature of the Tenderer.
Date

AFFIDAVIT FORMAT

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

Signed by an Authorized Officer of the firm or

Bidder)Date:

SCHEDULE – F**INFORMATION ON FIRMS INVOLVED IN COMPOSITE BIDDING FOR PH AND ELECTRICAL WORKS ALONG WITH CIVIL WORKS.**

(Mandatory in case of composite bids / Joint Venture in shape of Affidavit)

Sl No	Work Item	Name of the license holder/firm	Address	Experience in similar nature of work
1	Electrical works			
2	PH and sanitary works			

Attach copies of valid license for executing water supply / sanitary / work / building electrification works. A tripartite MOU between the bidder (Civil) along with Electrical and PH contractors in the form of affidavit is to be submitted in original. If the original bidder, who is a civil contractor, has got experience in executing PH works, then he/ she should furnish the experience certificate in this regard and fill the above form accordingly.

Signature of the bidder

Date

MEMORANDUM OF UNDERSTANDING (Affidavit)

First Party I Sri/Smt....., Aged years, S/O
At / P.O. / Dist(hereinafter called the

First Part)

AND

Second Party I Sri/Smt....., Aged years, S/O- At /
P.O. / Dist-..... (herein after called the Second Part) having H.T. / M.V.. license registration No.....
valid upto

AND WHEREAS the First Party of 1st part is the managing partner of

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

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

NOW THIS DEED OF AGREEMENT WITNESSES AS FOLLOWS;

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

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

WITNESS

W₁ –

W₂ –

MEMORANDUM OF UNDERSTANDING (Affidavit)

First Party I Sri/Smt....., Aged years, S/O,
At / P.O. / Dist(herein after called the First Party)

AND

Second Party I Sri/Smt....., Aged years, S/O-, At /
P.O. / Dist-..... (herein after called the Second Part) having PHEO.. license registration No... valid upto ...

AND WHEREAS the First Party of 1st part is the managing partner of

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

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

NOW THIS DEED OF AGREEMENT WITNESSES AS FOLLOWS;

- 5) That, the Second Party shall do all P.H. works, if the tender is awarded to First Party.
- 6) That, the Second Party shall fulfill all the P.H. works as per the tender schedule by instruction of Engineer-in-Charge.
- 7) That, the First Party shall receive payment, signing the bill the document for the concerned work.
- 8) That, the Second Party shall abide the rules, regulations and specification of P.H. works of above said matter.

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

WITNESS : W₁ -

W₂ -

.....

CORRESPONDENCE ADDRESS OF THE BIDDER (Mandatory)

Name :

Father's Name :

At : P.O :

P.S : Block :

Dist : PIN :

Telephone No (Land line) :

Telephone No (Mobile) :

Email ID :

Certified that all the information provided above is accurate to the best of my belief.

Signature of the bidder

Date:

*Note : All correspondences will be made in this address, telephone number and email only. Any change in above information must be intimated in writing immediately. **PIN code requirement is mandatory.***

Total-45pages only

-Sd-

**Executive Engineer of Horticulture,
Northern Zone, Farm Road, Sambalpur
Sambalpur-768002**