

Bid ID No. DD South-BPD-04/2025-26

GOVERNMENT OF ODISHA

FOREST DEPARTMENT



DETAILED TENDER CALL NOTICE

**(FOR DEVELOPMENT OF VARIOUS TOURISM INFRASTRUCTURES
AT SITAKUND WATERFALL SITE DIST OF MAYURBHANJ)**

**OFFICE OF THE DEPUTY DIRECTOR,
SIMILIPAL SOUTH WL DIVISION, BARIPADA**



**OFFICE OF THE DEPUTY DIRECTOR,
SIMILIPAL SOUTH WILDLIFE DIVISION, BARIPADA**

Phone No-(06792) 252593, Fax-256705; Email Id: dfo.similipalsouthwl@odisha.gov.in

INVITATION FOR BIDS THROUGH e-Procurement

BID IDENTIFICATION NO.- DD South-BPD-04/2025-26

Memo No. _____, Dt. _____

1. The Deputy Director, Similipal South WL Division, Baripada on behalf of Governor of Odisha invites **percentage rate** bids in Single Cover System respectively for the infrastructure work detailed in the table below from the **Class** of contractors as mentioned in **column-7** against each work registered with the State Governments and contractors of equivalent Grade/Class registered with Central Government/ MES/ Railways for execution of Civil works. The proof of registration from the appropriate authority shall be enclosed along with the bid.

Sl. No.	Name of the work	Value of the work (Rs.) (without GST)	Concerned T.I.A.	EMD (Rs.)	Cost of Bid Documents (Rs.) (online)	Class of Bidder	Period of Completion
1	2	3	4	5	6	7	8
1	Development of various tourism infrastructures at Sitakund Waterfall Site	2,06,21,087.00	Deputy Director, Similipal South WL Division, Baripada	2,06,211.00 (1%)	6,000/-	'A' & 'B'	31.03.2026

2. Bid documents consisting of plans, specifications, the schedule of quantities and the set of terms and condition of contract and other necessary documents can be seen in the website: www.tendersorissa.gov.in.
3. **EMD: The Bidders are required to submit 1% EMD through online over the amount put to tender as mentioned in the Column No.5.** Engineer contractor who wants to avail /claim EMD exemption shall have to furnish scan copy of affidavit along with tender declaring there in that he/she has not yet availed three nos. of EMD exemption during this financial year and to show the original registration certificate to the tender opening authority for verification without which the tender will be rejected. SC/ST contractors desires of availing benefits as per works department resolution No.27748 dated 11.10.1997 and amendment thereto must submit affidavit for the same along with attested copy of caste certificate.
4. Additional Performance Security shall be deposited by the successful bidder before drawl of the agreement **as per Works Department Office Memorandum No. 4559 dated 05.04.2021 within 7 days of issue of L.O.A. by the Deputy Director (Through email.) Otherwise the bid of successful bidder will be cancelled & bid security, if any shall be forfeited at following rate as prescribed by State Govt. (Details as per DTCN).**

5. The Bid **documents consisting of Plan, specification, the schedule of quantities and the set of terms & conditions of contract will be available** in the website: www.tendersorissa.gov.in/www.odishaforest.in/ www.similipal.org/ www.mayurbhunj.nic.in from **20.11.2025 at 10.00 A.M. to dt.29.11.2025 at 5.00 P.M. for online bidding.**
6. The bidder must possess compatible Digital Signature Certificate (DSC) of Class-II or Class-III.
7. Bids shall be received only **"online" on or before dt.29.11.2025 at 5.00 P.M.**
8. Bids received on-line shall be opened on **01.12.2025 at 11.00 AM** in the office of the Deputy Director, Similipal South WL Division, Baripada in the presence of the bidders, who wish to attend. Bidders who participated in the bid can witness the opening of bids after logging on to the site through their DSC. If the office happens to be closed on the last date of opening of the bids as specified, the bids will be opened on the next working day at the same time and venue.
9. The cost of tender paper as indicated in Column No.6 shall be received O.M. No.6785 dt.09.05.2017 and No.17254 dt.05.12.2017. The procedure of bid submission using electronic payment of tender paper cost by the bidder may be referred to Works Department No.17254 dt.05.12.2017 which has been added in the DTCN.
10. Agreement shall be drawn only after due verification of EMD & APS of the successful bidder. If any fake instruments are detected, criminal proceeding will be initiated against the defaulting bidder and action will be initiated for blacklisting through the license issuing Authority.
11. Other details can be seen in the bidding documents.
12. The authority reserves the right to reject/cancel any or all bids without assigning any reason thereof.

Note: Period of completion is to be strictly followed. No extension of time shall be granted. Payment will be made as per the availability of allotment.

Deputy Director
Similipal South WL Division, Baripada.

Memo No. _____/ Date: _____

Copy submitted to the Principal Chief Conservator of Forests & HOFF, Odisha, Bhubaneswar for favour of kind information with a request to publish the notice in the official website of PCCF & HoFF, Odisha (www.odishaforest.in) for wide circulation.

Deputy Director
Similipal South WL Division, Baripada

Memo No. _____/ Date: _____

Copy submitted to the Principal Chief Conservator of Forests (WL) & Chief Wildlife Warden, Odisha, Bhubaneswar for favour of kind information.

Deputy Director
Similipal South WL Division, Baripada

Memo No. _____/ Date: _____

Copy submitted to the Director, Printing & Publication, Government of Odisha, Madhupatana, Cuttack-10 for information and necessary action. He is requested to arrange for publication in next issue of Orissa Gazette.

Deputy Director
Similipal South WL Division, Baripada

Memo No. _____/ Date: _____

Copy submitted to the Field Director, Similipal Tiger Reserve-cum-Regional Chief Conservator of Forests, Baripada for favour of kind information.

Deputy Director
Similipal South WL Division, Baripada

Memo No. _____/ Date: _____

Copy submitted to the Collector & District Magistrate, Mayurbhanj for information & wide circulation.

Deputy Director
Similipal South WL Division, Baripada

Memo No. _____/ Date: _____

Copy forwarded to all Divisional Forest Officers (T & WL) Forest Division for information and necessary action. They are requested to display the above said e-Procurement Tender Notice in their office Notice board for wide circulation.

Deputy Director
Similipal South WL Division, Baripada

Memo No. _____/ Date: _____

Copy forwarded to the National Informatics Officer, District Centre Mayurbhanj, Baripada, Odisha for information and necessary action. He is requested to upload the above e-Procurement Tender Notice (both soft and hard copy) in the District NIC Portal, Mayurbhanj at the earliest.

Deputy Director
Similipal South WL Division, Baripada

Memo No. _____/ Date: _____

Copy forwarded to all A.C.F s of Similipal South WL Division, Baripada for Information.

Deputy Director
Similipal South WL Division, Baripada

Memo No. _____/ Date: _____

Copy forwarded to all Range Officers Similipal South WL Division, Baripada with a request to display the above notice on their office notice board for wide circulation.

Deputy Director
Similipal South WL Division, Baripada

Memo No. _____/1F, Dated- _____

Copy forwarded to the All India On-Line, email: support@allinidaonline.in for information & necessary action. They are requested to scroll the above advertisement in the official website of Similipal Tiger Reserve (www.similipal.org) for wide circulation.

Copy to Office Notice Board



**FOREST DEPARTMENT
OFFICE OF THE DEPUTY DIRECTOR,
SIMILIPAL SOUTH WL DIVISION, BARIPADA**

e-mail – dfo.similipalsouthwl@odisha.gov.in.

Government of Odisha "e" Procurement Notice
Bid Identification No.- DD South-BPD-04/2025-26

1. Number of works – **01** (One number of work)
2. Approximate estimated cost:

Sl. No.	Name of the Work	Estimate Cost (in Rs.) (without GST)
01	Development of various tourism infrastructures at Sitakund Waterfall Site	2,06,21,087.00

1. Period of Completion: - **31.03.2026**
2. Date & Time of availability of bid documents in the portal: - **Dt.20.11.2025 to Dt.29.11.2025**
5. Last Date / Time of receipt of bid in the portal: - **Dt.29.11.2025 up to 5.00 PM**
6. Date of Opening of bid: - **Dt.01.12.2025 at 11.00 AM**
7. Name & address of the Office inviting bid: - **O/o the Deputy Director, Similipal South WL Division, Baripada, Mayurbhanj.**

Further details can be seen from the e-procurement portal <http://www.tendersodisha.gov.in>

Deputy Director
Similipal South WL Division, Baripada



**OFFICE OF THE DEPUTY DIRECTOR,
SIMILIPAL SOUTH WILDLIFE DIVISION, BARIPADA**

PHONE:06792-259126, FAX:06792-256705, e-mail: dfo.similipalsouthwl@odisha.gov.in

Memo No. _____/1F
Dated, Baripada the _____

CUT OFF DATE FOR PUBLICATION DT.19.11.2025

Copy forwarded to the Deputy Director (Advertisement) & Deputy Secretary to Government of Odisha, I & P.R. Department, Bhubaneswar with a request to get published **in Two number leading Oriya Daily and One National English Daily newspaper** at an early date for wide circulation of tender call notice.

It is to mention that the initial sale date of Bid documents will be commenced from **Dt.20.11.2025**, as such you are requested to *publish the Tender Call Notice prior to this date.*

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

Enclosure: Softcopy through email.

Deputy Director
Similipal South WL Division, Baripada

CHECK LIST TO BE FILLED UP BY THE BIDDER

Sl. No	Particulars	Reference to Clause no.	Whether furnished		Reference to Page no.
			Yes	No	
01.	Cost of tender paper Rs. 6,000.00 (Online)	D.T.C.N Clause No.04			
02.	Bidders are required to submit 1% EMD through online over the amount put to tender as mentioned in the Column No.5	D.T.C.N Clause No.06 & Clause No.06			
03.	Additional Performance Security in case the bid price/rate is less than the estimated cost put to tender	D.T.C.N Clause No.06 (iii)			
04.	Copy of valid Registration Certificate	D.T.C.N Clause No.05			
05.	Copy of GST Registration Number	D.T.C.N Clause No.05			
06.	Copy of PAN Card	D.T.C.N Clause No.05			
07.	No Relationship Certificate in Schedule – A	D.T.C.N Clause No.11			
08.(A)	Information regarding current litigation, debarring / expelling of the tender or abandonment of the work by the tenderer (Schedule-E)	D.T.C.N Clause No.10			
(B)	Affidavit (Schedule-F)	D.T.C.N Clause No.10			

CONTRACT DATA

(A) GENERAL INFORMATIONS

Sl No	Item	Details		
1	Name of the Work	1) Development of various tourism infrastructures at Sitakund Waterfall Site		
2.	Employer	Forest, Environment & CC Department Govt. of Odisha		
3.	Employer's Representative	Deputy Director, Similipal South WL Division, Baripada		
4	Accepting Authority	Deputy Director, Similipal South WL Division, Baripada		
6	Executing Authority	Deputy Director, Similipal South WL Division, Baripada		
7	Estimated Cost	Sl. No.	Name of the Work	Estimate Cost (in Rs.)
		01	Development of various tourism infrastructures at Sitakund Waterfall Site	Rs. 20,621,087.00

(B) BID INFORMATION

8	Intended completion period/Time period assigned for Completion			31.03.2026
9	Last Date & time of submission of Bid			5 PM of 29.11.2025
10	Date of opening			11.00 hours on Date:01.12.2025
11	Cost of Bid Document			
	i	Cost of Bid Amount		Rs.6,000.00
	iii	Payment Mode		The cost of bid documents as mentioned in Col. 6, the bidder shall be deposited through online using electronic payment along with the bids as per guideline issued by Works Department.
12	EMD :			
	i	1% EMD through online over the amount put to tender as per the Office Memorandum of Finance Department, Government of Odisha.		
13.	Additional Performance Security (Clause No.28 (iii) of DTCN.)			
	Amount	Sl. No.	Quoted Rate less on the amount put to tender.	Additional Performance Security to be deposited by the successful bidder
		i	Below 5%	No Additional Performance Security
		ii	From 5% and above and below 10%	50% of (Difference between estimated cost put to tender and Bid Amount)
		iii	From 10% and above	150% of (Difference between estimated cost put to tender and Bid Amount)
	Pledged in favour of		Deputy Director, Similipal South WL Division, Baripada	
	Payable at		Baripada	
	Type of instrument		As specified in the Bid document	
14.	Bid validity period			90 days
15.	Currency of contract			Indian Rupee
16	Language of contract			English

PROCEDURE TO PARTICIPATE IN ONLINE BIDDING E-PROCUREMENT

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

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

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

- a. To log on to the portal the Contractor/Bidder is required to type his/her *username* and password. *The system will again ask to select the DSC and confirm it with the password of DSC.* For each login, a user's DSC will be validated against its date of validity and also against the Certificate Revocation List (CRL) of respective CAs stored in system database. The system checks the unique ID, password and DSC combination and authenticates the login process for use of portal.
- b. The tender documents uploaded by the Tender Inviting Officer in the website <https://tendersodisha.gov.in> will appear in the section of "Upcoming Tender" before the due date of tender sale. Once the due date has arrived, the tender will move to "Active Tender" Section of the *homepage*. Only a small notification will be published in the newspaper specifying the work details along with *mention* of the specific website for details. The publication of the tender will be for specific period of time till the last date of submission of bids as mentioned in the 'Invitation for Bid' after which the same will be removed from the list of Active tenders. Any bidder can view or down load the bid documents from the web site.
- c. Contractor exempted from payment of EMD will be able to participate in the tender directly by uploading documentary evidences towards his eligibility for such exemption.
- d. If the *software* application has the provision of payment of cost of tender document through payment gateways of *authorized* bankers by directly debiting the account of the bidders, bidders will be required to avail on-line payment.
- 1.1.** Furnishing scanned copy of such documents is mandatory along with the tender documents otherwise his/her bid shall be declared as non-responsive and thus liable for rejection. Bidders participating through Joint Venture shall declare the authorized signatory through Memorandum of Understanding duly registered and 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.
- 1.4.** For submission of Bids through the E-Procurement Portal, the bidder shall up load the scanned copy/copies of document in prescribed format wherever warranted in support of eligibility criteria and qualification information. The on-line bidder shall have to produce the original documents in support of the scanned copies and statements uploaded in the portal before the specified date as per DTCN.
- 1.5.** Each bidder shall submit only one bid for one package. A bid is said to be complete if accompanied by cost of bid document and appropriate EMD. The system shall consider only the last bid submitted through the E-Procurement portal.

- 1.6. The bidder may ask question related to tender online in the e-procurement portal using his/her DSC, provided the questions are raised within the period of seeking clarification as mentioned in tender call notice/Bid. The Officer inviting the Bid/ Procurement Officer-Publisher will clarify queries related to the tender.
- 1.7. The details of drawings and documents pertaining to the works available with the officer inviting the Bid as well as in the office of the Deputy Director, Similipal South WL Division, Baripada as mentioned in the Contract Data will be open for inspection by the bidders. The bidder is required to download all the documents for preparation of his bid. It is not necessary for the part of the Bidder to upload other Bid documents (after signing) while uploading his bid. He is required to upload documents related to his eligibility criteria and qualification information and Bill of Quantities duly filled in. It is assumed that while participating in the bid, the bidder has referred all the drawings and documents. Seeking any revision of rates or backing out of the bid claiming for not having referred to any or all documents provided in the Bid by the Officer Inviting the Bid will be construed as plea to disrupt the bidding process and in such cases the EMD shall be forfeited.
- 1.8. Any addendum / corrigendum/ cancellation of tender shall be published in the website <https://tendersodisha.gov.in>, notice board and through paper publication and such notice shall form part of the bidding documents.
- 1.8.1. The system generates a mail to those bidders who have already uploaded their tenders and those bidders if they wish can modify their tenders. The bidders are required to 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 upload the scanned documents in Portable Document Format to the portal in the designated locations of Technical Bid. He will fill up the rates of items or percentage in the BOQ downloaded for the work in designated Cell and uploads the same in designated locations of Financial Bid. Bidders are to submit only the original BOQ uploaded by publisher after entering the relevant fields without any alteration/deletion/modification. Multiple BOQ submission shall lead to cancellation of bid. In case of item rate tender, bidders shall fill in their rates other than Zero value in the specified cells. In the percentage rate tender, the bidder quoting Zero value is valid and will be taken as Schedule of Rates. Submission of document shall be affected by using DSC of appropriate class.

2. **PAYMENT OF EMD AND COST OF BID DOCUMENTS:**

The Bidder shall furnish, as part of his Bid, EMD for the amount mentioned under NIT/Contract Data. The on-line bidder shall deposit 1% EMD over the amount put to tender. Engineer contractor who wants to avail /claim EMD exemption shall have to furnish scan copy of affidavit along with tender declaring there in that he/she has not yet availed three nos. of EMD exemption during this financial year and to show the original registration certificate to the tender opening authority for verification without which the tender will be rejected. SC/ST contractors desires of availing benefits as per works department resolution No.27748 dated 11.10.1997 and amendment thereto must submit affidavit for the same along with attested copy of caste certificate. The handicapped contractor should submit their certificate along with affidavit for consideration of tender. Otherwise the shall be non-responsive and liable for rejection.

- 2.1 The bidder shall have to furnish **"EMD"** as per the Office Memorandum of Finance Department, Government of Odisha.
- 2.2 The fixed Deposit / Bank Guarantee or any other form as mentioned in detailed tender call notice in respect of Earnest Money Deposit, ISD and APS and the Bank Draft in respect of cost of Bid are to be scanned and uploaded in portable document format (PDF) along with the bid.

- 2.3 The tender accepting authority will verify the originals of all the scanned documents of the successful lowest bidder only within 5 days of opening of the tender (price bid). In the eventuality of failure on the part of the lowest successful bidder to procure the original documents, he will be debarred in future from participating in tender for 3 years and will be black listed by the competent authority. In such a situation, successful L-2 bidder will be required to produce his original documents for consideration of his tender at the negotiated rate equal to L1 bidder.
- 2.4 Contractor exempted from payment of EMD will be able to participate in the tender directly by uploading documentary evidences towards his eligibility for such exemption.
- 2.5 Government of Odisha has been actively considering integrating e-payment gateway in to the portal for payment of cost of Bid and Earnest Money Deposit. The process of using e-payment gateway shall be issued separately after it is established.

3. FORMAT AND SIGNING OF BID:

(Logging to the Portal)-The Contractor/ Bidder is required to type his/her Login ID and Password. The system will again ask to select the DSC and confirm it with the password of DSC as a second stage authentication. For each login, a user's DSC will be validated against its date of validity and also against the Certificate Revocation List (CRL) of respective CAs stored in system database. The system checks the unique Login ID, Password and DSC combination and authenticates the login process for use of portal. The bidder can download the tender of his choice and save it in his system and undertake the necessary preparatory work off-line and upload the completed tender at his convenience within the final date and time of 15 submissions. 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 upload the completed Bid document well ahead of the last date & time of receipt to avoid any last moment problem of power failures etc. 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 upload the completed Bid document well ahead of the last date & time of receipt to avoid any last moment problem of power failures etc. 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 15 submissions. 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 upload the completed Bid document well ahead of the last date & time of receipt to avoid any last moment problem of power failures etc.

- 3.1.** The Bidder shall go through the Bid carefully and list the documents those are asked for submission. He shall prepare all documents including cost of Bid Document, EMD, 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 uploaded in appropriate place, he clicks the submit button to submit the bid to the portal.
 - 3.2.1. The bids once submitted cannot be retrieved or corrected. Tender cannot be pre-opened and cannot be submitted after due date and time. Therefore, only after satisfying that all the documents have been uploaded, 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 EMD shall be forfeited.

SUBMISSION OF BIDS: -

- 3.3.** The bidder shall carefully go through the tender and prepare the required documents. The bid shall have a Technical Bid and a Financial Bid. The Technical bid generally consist of cost of Bid documents, EMD, GSTIN, PAN, Registration Certificate, Affidavits, Profit Loss statement, Joint venture agreement, List of similar nature of works, work in hand, list of machineries and any other information required by OIT. The Financial Bid shall consist of the Bill of Quantities (BOQ) and any other price related information/ undertaking including rebates.
- 3.4.** Bidders are to submit only the original BOQ (in.xls format) uploaded by Procurement Officer Publisher (Officer Inviting Tender) after entering the relevant fields without any alteration/ deletion/ modification. Multiple BOQ submission by bidder shall lead to cancellation of bid. In case of items rate tender, bidders shall fill in their rates other than zero value in the specified cells without keeping it blank. In the percentage rate tender the bidder quoting zero percentage is valid and will be taken at par with the estimated rate of the work put to tender.
- 3.5.** The bidder shall upload the scanned copy/ copies of document in support of eligibility criteria and qualification information in prescribed format in Portable Document Format (PDF) to the portal in the designated locations of Technical Bid.
- 3.6.** The bidder shall write his name in the space provided in the specified location in the Protected Bill of Quantities (BOQ) published by the Officer Inviting Tender. The bidder shall type rates in figure only in the rate column of respective items(s) without any blank cell in the rate column in case of item rate tender and type percentage excess or less up to two decimal places only in case of percentage rate tender.
- 3.7.** The bidder shall log to the portal with his/ her DSC and move to the desired tender for up loading the documents in appropriate place one by one simultaneously checking the documents.
- 3.8.** Bids cannot be submitted after due date and time. The bids once submitted 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 OIT or the Procurement Officer Publisher/ opener before the due date and time of opening.
- 3.9.** Each process in the e-procurement is time stamped and the system can defect the time of log in of each user including the Bidder.
- 3.10.** The Bidder should ensure clarity/ legibility of the document uploaded by him to the portal.
- 3.11.** The system shall require all the mandatory forms and fields filled up by the contractor during the process of submission of the bid/ tender.
- 3.12.** The bidder should check the system generated confirmation statement on the status of the submission.
- 3.13.** The bidder should upload sufficiently ahead of the bid closure time to avoid traffic rush and failure in the network.
- 3.14.** The Tender Inviting Officer is not responsible for any failure, malfunction or breakdown of the electronic system used during the e-procurement process.
- 3.15.** The Bidder is required to upload documents related to his eligibility criteria and qualification information and Bill of Quantity duly filled in. It is not necessary for the part of the bidder to upload the drawing and the other Bid documents (after signing) while uploading his bid. It is assumed that the bidder has referred all the drawings and documents uploaded by the Officer Inviting the Bid.
- 3.16.** The Bidder will not be able to submit his bid after expiry of the date and time of submission of bid (server time). The date and time of bid submission shall remain unaltered even if the specified date for the submission of bids declared as a holiday for the Officer Inviting the Bid.

- 3.17.** The 'Online bidder' shall digitally sign on all statement's 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 shall stand forfeited and his registration in the portal shall be blocked and the bidder is liable to be blacklisted.

4. SECURITY OF BID SUBMISSION:

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

5. DEADLINE FOR SUBMISSION OF THE BIDS:

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

RESUBMISSION AND WITHDRAWAL OF BIDS:

- 5.2.** Resubmission of bid by the Bidders for any number of times before the final date and time of submission is allowed.
- 5.3.** Resubmission of bid shall require uploading of all documents including price bid afresh.
- 5.4.** If the bidder fails to submit his modified bids within the pre-defined time of receipt, the system shall consider only the last bid submitted.

6. LATE BIDS:

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

7. MODIFICATION AND WITHDRAWAL OF BIDS:

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

8. OPENING OF THE BID:

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

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

EVALUATION OF BIDS: -

- 8.5.2 (A) All the opened bids shall be downloaded and printed for taking up evaluation. The officer authorized to open the tender shall sign and number on each page of the documents downloaded and furnish a certificate that "the documents as available in the portal containing..... nos. of pages".
- 8.5.3. After receipt of confirmation of the EMD, the bidder may be asked in writing / online (in their registered e-mail ID) to clarify on the uploaded documents provided in the Technical Bid, if necessary, with respect to any doubts or illegible documents required for Technical Evaluation. The Officer Inviting Tender may ask for any other document of historical nature during Technical Evaluation of the tender. Provided in all such cases, furnishing of any document in no way alters the bidders price bid. Non submission of legible documents may render the bid non-responsive. The authority inviting bid may reserve the right to accept any additional document.
- 8.5.4. The bidders will respond in not more than 7 days of issue of the clarification letter, failing which the bid of the bidder will be evaluated on its own merit
- 8.5.5. Immediately, on receipt of these clarifications, the Evaluating Officers; predefined in the system for the bid, will finalize the list of responsive bidders. They will log on to the site with their DSC and record their comments on the Technical evaluation page in the system. The Officer Inviting the Bid if also the accepting authority, shall log on to the system with his digital signature and check the technical evaluation. He can either accept or pass on to the evaluating officers for re-evaluation. Upon acceptance of technical evaluation by the Accepting authority in the system, the system shall automatically generate letter to all the responsive bidders and the system shall forward the letter to all the responsive bidder that their technical bid has been evaluated responsive with respect to the data/information furnished by him and the letter shall also intimate him the date & time of opening of financial bid. The system shall also inform the non-responsive bidders in their e-mail ID that their bid has been found non-responsive.
- 8.6.** The Technical evaluation of all the bids shall be carried out up as per the information furnished by the Bidders. But evaluation of the bid does not exonerate the bidders from checking their original documents and if at a later date the bidder is found to have misled the evaluation through wrong information, action as per relevant clause of DTCN shall be taken against the bidder/contractor.

- 8.7** The Procurement Officer-Evaluators will evaluate bid and finalized list of responsive bidders.

Opening of price bid and evaluation of lowest bidder is subject to satisfaction of other qualification information.

- 8.7.1 The financial bids of the technically responsive bidders shall be opened on the due date of opening. The Procurement Officer-Openers shall log on to the system in sequence and open the financial bids.
- 8.7.2 The Financial Bid will be opened on the notified date & time in the presence of bidders or their authorized representative who wish to be present.
- 8.7.3 At the time of opening of "Financial Bid", the names of the bidders whose technical bids were found responsive will be announced and the bids of only those bidders will be opened. The remaining bids will be rejected.
- 8.7.4 The responsive bidders' name, the bid prices, the item wise rates, the total amount of each item in case the item rate tender and percentage above or less in case of percentage rate tenders will be announced. any discounts and withdrawals, and such other details as the officer inviting the tender may consider appropriate, will be announced by him or his authorized representatives at the time of opening.
- 8.7.5 Rebate/discount offer if any uploaded to the system shall be declared and recorded first.
- 8.7.6 The Financial bid of the bidders shall be opened one by one by the designated officers. The system shall auto-generate the Comparative statement.
- 8.7.7 The Bidder can witness the principal activities and view the documents/summary reports for that particular work by logging on to the portal with his DSC from anywhere.
- 8.7.8 Procurement Officer-Openers shall sign on each page of the download BOQ and the Comparative Statement and furnish a certificate to that respect.
- 8.7.9 System provides an option to Procurement Officer Publisher for reconsidering the rejected bid with the approval of concern Chief Engineer/ Head of Department.

9. CLARIFICATION AND NEGOTIATION OF BIDS:

- 9.1. For examination, evaluation, and comparison of bids, the officer inviting the bid may, at his discretion, ask the lowest bidder for clarification of his rates including reduction of rate on negotiation and breakdowns of unit rates.
- 9.2. On opening of the price bid the system shall arrange the financial bids in order of their value (L1 first, followed by L2, L3 ...) for subsequent evaluation. The evaluation status (Sheet) will be visible to all the participating bidders after opening on their respective logins. Each activity is recorded in the system with date and time stamping.

10. NOTIFICATION OF AWARD AND SIGNING OF AGREEMENT:

- 10.1. In the E-Procurement Portal, the system shall generate the template of award letter and the Officer Inviting the Bid shall mention the amount of Performance Security and additional security required to be furnished in the letter and intimate the bidders in his e-mail ID.
- 10.2. The Employer/ Divisional Forest Officer 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 Divisional Forest will pay the contractor in consideration of execution and completion of the works by the contractor as prescribed by the contract and the amount of performance security and Additional Performance Security required to be furnished. The issue of the letter of Acceptance shall be treated as closure of the Bid process and commencement of the contract.
- 10.3. The Contractor after furnishing the required acceptable Performance Security and Additional Performance Security, "Letter of Proceed" or "Work Order" shall be issued by the Divisional Forest Officer with copy thereof to the Procurement Officer-Publisher. The Procurement Officer-Publisher shall up load the summery and declare the process as complete.

- 10.4.** If the L1 bidder does not turn up for agreement after finalization of the tender then he shall be debarred from participation in bidding for three years and action will be taken to blacklist the contractor. Besides the consortium/ JV/firm where such an agency/ firm already happens to be or is going to be a partner/ member/ proprietor, he/ they shall neither be allowed for participation in bidding for three years nor his/ their application will be considered for registration and action will be initiated to blacklist him/ them. In that case, the L2 bidder, if fulfils other required criteria would be called for drawing agreement for execution of work subject to condition that the L2 bidder negotiates at par with the quoted by the L1 bidder, otherwise the tender will be cancelled.

11. BLOCKING OF PORTAL REGISTRATION

- 1.1 If the registration Certificate of the contractor is cancelled/ suspended by the registering authority/ blacklisted by the competent authority his portal registration shall be blocked automatically on receipt of information to that effect.
- 1.2 The portal registration blocked in the ground mentioned in the above Para- 11.1 shall be unblocked automatically in receipt of revocation order of cancellation/ suspension/ blacklisting from the concerned authority.
- 1.3 The Officer Inviting Tender shall make due inquiry and issue show cause notice to the concerned contractor who in turn shall furnish his reply, if any, within a fortnight from the date of issue of show cause notice. Thereafter the Officer Inviting Tender is required to issue an intimation to the defaulting bidder about his unsatisfactory reply and recommend to the Chief Manager (Tech) for blocking of portal registration within 10 days of intimation to the defaulting bidder regarding his unsatisfactory reply with intimation to the Registering Authority and concerned Chief Engineer/ Heads of Office if any of the following provisions are violated.
- 1.3.1 Fails to furnish original Technical/ Financial (Tender Paper Cost, EMD) instruments before the designated officer within the stipulated date and time.
- 1.3.2 Backs out from the bid on any day after the last date of receipt of tender till expiry of the bid validity period (including till the extended bid validity period)
- 1.3.3 Fails to execute the agreement within the stipulated date.
- 1.3.4 If any of the information furnished by the bidder is found to be false/ fabricated/ bogus.

Accordingly, the officer Inviting Tender shall recommend to the Chief Manager (Tech) State Procurement Cell, Odisha for blocking of portal registration of bidder and simultaneously action shall also be initiated by OFFICER INVITING TENDER for blacklisting as per Appendix-XXXIV of OPWD code Volume-II.

DETAILED TENDER CALL NOTICE FOR DEVELOPMENT OF VARIOUS TOURISM INFRASTRUCTURES AT SITAKUND WATERFALL SITE

1. Sealed **percentage rate** bids are invited on **ONLINE in Single cover system** from 'A' & 'B' **Class** contractors registered with the State Governments and contractors of equivalent Grade / class registered with Central Government / MES / Railways for execution of civil works on production of definite proof from the appropriate authority in prescribed form to be eventually drawn in P.W.D. **FORM P-1** for the works "**Development of various tourism infrastructures at Sitakund Waterfall Site**" of Similipal South WL Division at an estimated cost of **Rs. 2,02,21,087.00**. The adopted format for percentage rate is same as that of the form adopted for **item rate** tenders but the word "**Item rate**" shall be replaced by "**Percentage rate**" and the contract will be named as **P-1. Bids from Joint Venture are not allowed.**
2. The Bid documents are available from official website of Govt.: <http://tendersodisha.gov.in> from **Dt.20.11.2025**. **The last date and time of submission of Bid is as per contract data.**
3. The Bid documents will be opened by the assigned officer in the office of the Deputy Director, Similipal South WL Division, Baripada at **11.00** Hours on **Dt.01.12.2025** in the presence of the bidders or their authorized representatives who wish to attend.
4. The cost of bid documents of **Rs.6,000.00** as mentioned in **Col. 6**, the bidder shall be deposited through online using electronic payment alongwith the bids as per guideline issued by Works Department.
5. The bid is to be submitted in single cover containing scanned copy of registration certificate, PAN card, valid GST certificate, certificates duly filled-in and documents required as per the relevant clauses of this DTCN and the price bid duly filled in and signed by the bidder
6. **EMD: The Bidders are required to submit 1% EMD through online over the amount put to tender as mentioned in the Column No.5.** Engineer contractor who wants to avail /claim EMD exemption shall have to furnish scan copy of affidavit along with tender declaring there in that he/she has not yet availed three nos. of EMD exemption during this financial year and to show the original registration certificate to the tender opening authority for verification without which the tender will be rejected. SC/ST contractors desires of availing benefits as per works department resolution No.27748 dated 11.10.1997 and amendment thereto must submit affidavit for the same along with attested copy of caste certificate.
7. Additional performance security shall be deposited by the successful bidder before drawl of the agreement **as per Works Department Office Memorandum No. 4559 dated 05.04.2021 within 7 days of issue of L.O.A. by the Deputy Director (Through email.) otherwise the bid of successful bidder will be cancelled and Initial Security Deposit, if any shall be forfeited at following rate as prescribed by State Govt., which may be in shape of TDR/ Bank Guarantee duly pledged in favour of the Deputy Director, Similipal South WL Division, Baripada from any Nationalized Bank/ Scheduled Bank of India Counter guaranteed by the local branch in Bhubaneswar within 7 days of issue of L.O.A. by the Tender Accepting Authority.**

Sl. No.	Range of Difference between estimated cost put to tender & Bid amount	Additional Performance Security to be deposited by the successful bidder
A	B	C
1	Below 5%	No Additional Performance Security
2	From 5% above & below 10%	50% of the difference amount of (Col. B)
3	From 10% & above	150% of the difference amount of (Col. B)

8. The work is to be completed in all respects within the **time period** as specified in the **Contract Data**. Bidders whose bid is accepted must submit a work programme at the time of execution of Agreement.

9. All **bids** received will remain **valid** for a period as specified in the **Contract Data** after the deadline date for submission of bids and validity of bids can also be extended if agreed to by the bidder and the Department.
10. An applicant or any of its constituent partners of whose contract for any work has been rescinded or who has abandoned any work in the last five years, prior to the date of the bid, shall be debarred from qualification. The bidder is to furnish scanned copy an **affidavit** at the time of submission of bid about the authentication of bid documents. An **affidavit** to this effect is to be furnished in **Schedule-F. Non furnishing** of the scanned copy of information in **Schedule - E** and required affidavit in **Schedule – F**, the bid document will be **summarily rejected**.
11. **No Relation certificates.**

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

A. Percentage rate contract (vide Works Department letter no. 8310 dt.17.05.2006) In case of Percentage Rate tender -

- (i) The contractor has to quote percentage excess or less over the estimated cost in the Price Bid appended to the tender document. The estimated cost is excluding GST. The rates of item basing on which estimated cost has been derived are excluding GST on different components to arrive at such rates.
- (ii) The Contractors participated in the tender for more than one work may offer conditional rebate. Rebate offer submitted in a separate letter duly scanned shall be opened, declared and recorded first. The rebate so offered shall be considered after opening of all packages called in the same Tender Notice. The Contractors who wish to tender for two or more works shall submit separate tender for each. Each tender shall have the **Bid Identification No., Name & Sl. No. of the work (as per IFB)** to which they refer.
- (iii) The Contractor will quote percentage excess/less up to two decimal point only. If he writes the percentage excess/less up to three or more decimal points, the

second decimal point shall only be considered without rounding off (vide Works Department O.MNo-7885dtd.23.07.2013.).

- (iv) In the contract P-1 time is the essence. The contractor is required to maintain a certain rate of progress specified in the contract.
- (v) The quantity mentioned can be increased or reduced to the extent of 10% for individual items subject to a maximum of 5% over the estimated cost. If it exceeds the limit stated above prior approval of competent authority is mandatory before making any payment.
- (vi) The period of completion is fixed and cannot be altered except in case of exceptional circumstances with due approval of next higher authority.
- (vii) Bills for percentage rate tenders shall be prepared at the estimated rates for individual items only and the percentage excess or less shall be added or subtracted from the gross amount of the bill.

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

- 1. 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.
- 2. 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 Divisional Forest Officer as and when required.
- 3. (i) Every bidder is expected before quoting his rate to inspect the site of the proposed work. The bidder should also inspect the quarries and approach roads to quarries and satisfy himself/ themselves about the quality and availability of materials. In every case the materials must comply with the relevant specifications. Complaints at future date that the availability of materials at quarries has been misjudged cannot be entertained.
(ii) Amendment to Para 3.4.16 (a) (vii) of OPWD Code Vol.-I by substitution.
For the purpose of estimate, the approved quarry lead is to be provided judiciously. Engineers in charge would be responsible for ensuring the quality of the materials supplied. The contractors would, however, be responsible for procurement of materials from authorized sources and voluntarily disclose the source of procurement for the purpose of billing. Besides, the bidder would be required to submit the details of quarry for procurement while submitting the bids.
- 4. 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.
- 5. 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.
- 6. **(i) Amendment to Appendix – IX, Clause – 36 of OPWD Code Vol.-II by inclusion.**

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

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

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

(iii) Amendment to Para-3.5.5 (v) of OPWD Code Volume-I by inclusion.
(Additional performance Security) Modified vide Works Department office Memorandum No.4559 dt.05.04.2021

Additional Performance Security shall be obtained from the bidder when the bid amount is less than estimated cost put to tender. In such an event, only the successful bidder who has quoted less bid price/rates than the estimated cost put to tender shall have to furnish the amount of Additional Performance Security (APS) in shape of Term Deposit Receipt pledged in favour of Divisional Officer/Bank Guarantee in favour of the Divisional Officer from any Nationalized/Scheduled Bank in India counter guaranteed by its local branch at Bhubaneswar within seven days of issue of Letter of Acceptance. (LOA) by the Divisional Officer (by e-mail) to the successful bidder otherwise the bid of the successful bidder shall be cancelled and **further, proceeding for blacklisting shall be initiated against the bidder as per Works Department Office Memorandum No.14459 dtd.20.09.2018.**

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

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

7. 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.
8. 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.

9.
 - 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 commissions, deductions or alternations set forth in the conditions of the Contract and such commissions, deductions, additions or alternations shall no way invalidate the contract and no extra monetary compensation, will be entertained.
 - (ii) The quantity mentioned can be increased or decreased to the extent of 10% for individual items subject to a maximum of 5% over the estimated cost. If it exceeds the limit stated above, prior approval of competent authority is mandatory before making any payment.
10. The authority reserves the right to reject any or all the tenders received without assigning any reasons there-of what so ever.
11. The EMD will be retained and dealt with as per the terms and conditions of the OPWD Code.
12.
 - (i) The bidder/tenderer whose bid has been accepted will be notified of the award by the Engineer-in-charge prior to expiration of the validity period by cable, telex or facsimile confirmed by registered letter. This letter (hereinafter and in the conditions of Contract called the "Letter of Acceptance") will state the sum that the Divisional Forest Officer will pay the contractor in consideration of the execution, completion and maintenance of the Works by the contractor as prescribed by the contract (Hereinafter and in the contract called the "Contract Price").
 - (ii) The notification of award will constitute the formation of the contract, subject only to the furnishing of a performance security (Initial Security Deposit) in form of Fixed deposit receipt of Schedule Bank/Kissan Vikash Patra/Post Office Savings Bank Account/National Savings Certificate/Postal Office Time Deposit Account and additional performance security as per Clause 28 of DTCN duly pledged in favour of the **Deputy Director, Similipal South WL Division, Baripada** as specified in the **Contract Data** and in no other form which shall be 2% of the value of the tendered amount (excluding 1% deposited towards hiring of equipment's/machineries from outside the State if any) and sign the agreement in the **PWD Form P-1** for the fulfilment of the contract in the office of the **Deputy Director, Similipal South WL Division, Baripada** as specified in the **Contract Data** or as directed. The security deposit and the amount withheld according to the provision of P1 agreement shall be retained as security for the due fulfillment of this contract and additional performance security in accordance with the provisions of the agreement.
 - (iii) The agreement will incorporate all correspondence between the officer inviting the bid-Deputy Director, Similipal South WL Division, Baripada and the successful bidder. Within 15 days following the notification of award along with the Letter of Acceptance, the successful bidder will sign the agreement and deliver it to the Deputy Director, Similipal South WL Division, Baripada. Following documents shall form part of the agreement.
 - (a) The notice inviting bid, all the documents including additional conditions, specifications and drawings, if any, forming the bid as issued at the time of invitation of bid and acceptance thereof together with any correspondence leading there to & required amount of performance security including additional performance security.
 - (b) Standard P.W.D. Form **P-1** with latest amendments.
 - (iv) Failure to enter in to the required agreement and to make the security deposit as above shall entail forfeiture of the **EMD. No contract (tender)** shall be finally accepted until the required amount of initial security deposit and additional performance security deposit are received by the Divisional Forest

Officer. The security will be refunded after **One year** of completion of the work and payment of the final bill and will not carry any interest.

- (v) As concurred by Law Department & Finance Department in their U.O.R. No 848 dtd. 21.05.97 J.O.R.No.202 W.F.D. dtd.06.03.98 respectively the E.M.D. will be forfeited in case, where bidders/tenderers back out from the offer before acceptance of tender by the competent authority.
- (vi) Amendment to Para 3.5.18 Note – viii of OPWD Code Vol.-I

Before acceptance of tender, the successful bidder will be required to submit a work programme and mile stone basing on the financial achievement so as to complete the work within the stipulated time and in case of failure on the part of the agency to achieve the mile stone liquidated damage will be imposed.

- 13. 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.
- 14. 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.
- 15. 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.
- 16. In case of any complaint by the labour working about the non-payment or less payment of his wages as per latest minimum Wages Act, the **Deputy Director, Similipal South WL Division, Baripada** 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 **Deputy Director, Similipal South WL Division, Baripada** is final and binding on the contractor.
- 17. The contractor shall bear cost of various incidentals, sundries and contingencies necessitated by work in full within the following or similar category.
 - a. Rent, royalties and other charges of materials, including all taxes as applicable, ferry, tolls conveyance charge and other cost on account of land and building including temporary building and temporary electric connection to work site as well as construction of service road and diversion road and its maintenance till completion of work as required by the bidders for Collection of materials, storage, housing of staff or other purpose of the work. No bidder will however be liable to pay Govt. for temporary occupation of land owned by Govt. at the site of the work.
 - b. Labour camps or huts necessary to a suitable scale including conservancy and sanitary arrangements therein to the satisfaction of the local health authorities.
 - c. Suitable water supply including pipe water supply wherever available for the staff and labour.
 - d. Fees and duties levied by the municipal, canal or water supply authorities.
 - e. Suitable equipment and wearing apparatus for the labour engaged in risky operations.
 - f. Suitable fencing barriers, signals including paraffin and electric signal where necessary at works and approaches in order to protect the public and employees from accidents.
 - g. Compensation including the cost of any suit for injury to persons or property due to neglect of any major precaution also become payable due to operation of the workmen compensation act.
 - h. The contractor has to arrange adequate lighting arrangement for the work where

ever necessary at his own cost.

18. 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.
19. 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.
20. 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 Divisional Forest Officer and rate settled before the extra items of work or extra quantity of any items of work is taken up.
21. The bidder shall have to abide by the C.P.W.D. safety code rules introduced by the Government of India, Ministry of work Housing and Supply in their standing order No-44150dtd.25.11.57.
22. 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 offices issuing the documents and office of the **Deputy Director, Similipal South WL Division, Baripada** 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.
23. Bidders are required to go through each clause of P.W.D. Form **P-1** carefully in addition to the clause mentioned herein before tendering. In case of ambiguity, the clauses of P.W.D Form **P-1** with latest amendments shall **supersede** the condition of **D.T.C.N.**
24. All reinforced cement concrete work should conform to IRC Code and Bridge Code section I, II, III, IV and VII & latest design criteria for prestressed concrete bridges specifically for road and bridges issued by MoSRT&H, Govt. of India. MoSRT & H Specification for Road & Bridge work (Latest Revision) shall be the guiding book for execution, quality assurance, specification and measurement for all items of Road & Bridgeworks.
25. Steel shuttering & centering shall be used which shall be lined with suitable sheeting and made leak proof and water tight.
26. 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.
27. Concrete should be machine mixed unless otherwise ordered in writing by the Deputy Director, Similipal South WL Division, Baripada. The contractor should arrange his own concrete mixer, vibrator, and pumps etc, for this purpose at his own cost.
28. Cement shall be used by bags and weight of one bag of cement being taken as fifty (50) Kg.
29. The bidder should arrange the materials like Steel, Cement, paint and bitumen etc. of approved quality and specification at his own cost for completion of the work with the time schedule. No extension of time will be granted on the application of the bidder due to delay in procurement of materials.
30. 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.
31. 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.

32. The selected bidder may take delivery of departmental supply according to his need for the work issued by the Divisional Forest Officer subject to the availability of the materials. The bidder shall make all arrangement for proper storages of materials but no cost for raising shed for storage, pay of watchman etc. will be borne by the Department. The Department is not responsible for considering the theft of materials at site. It is the contractor's risk. Under any such plea if the bidder stops the work, he shall have to pay the full penalty as per clause of **P-1** agreement.
33. The Department will have the right to supply at any time in the interest of work any departmental materials to be used in the work and the contractor shall use such materials without any controversy or dispute on that account. The rate of issue of such materials will be at the stock issue rates inclusive of storage charges or rates fixed by the Department or current market rate whichever is higher.
34. All the materials which are to be supplied from Departmental store will be as per availability of stock and the contractor will have to bear the charges of straightening, cutting, jointing, welding etc. to required sizes in case of M. S. Rods or Tor steel/M. S Angles, Tees and Joists etc. After issue from the Departmental store the materials may be under the custody of the contractor and the contractor will be responsible for its safety and storage.
35. Though Departmental issue of cement and steel has indicated, it may not be taken as binding. The contractor must have to arrange by themselves cement, steel, bitumen and every sort of materials from approved manufacturer, get it tested in the Departmental Laboratory and approved by the Department before use.
36. TOR rods, plates and structural members will be supplied in quantity, length and size available in the stock. For payment of reinforcement, the steel including plates etc. shall be measured in length of different diameter, size and specification as actually used (including hooks and cranks) in the work correct to an inch or cm. and their weight calculated as per sectional weight prescribed by the Indian Standard Specification or as directed by the Deputy Director, Similipal South WL Division, Baripada.
37. The tentative alignment of the proposed bridge has been shown in the enclosed drawing. However, the department has got the right to shift the actual bridge position within a reasonable range in both U/s and D/s.
38. 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.
39. After completion of the work the contractor shall arrange at his own cost all requisite equipment for testing one unplugged well and specified span free of cost as directed by the Deputy Director, Similipal South WL Division, Baripada and bear the entire cost of the test.
40. No extra payment will be made for the jungle clearance for taking earth from the borrow areas. Earth work from cutting shall be economically utilized infilling.
41. If required the stack of road metal and gravel will be measured in boxes of 1.5m × 1.5 M × 0.5M which will be taken as $1.5\text{m} \times 1.5\text{M} \times 0.44\text{M} = 1 \text{ Cum}$. 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.
42. The machineries, if available, with the department may be supplied on hire as per normal hire charges of Government in force at the time of execution of work subject to the condition that the contractor will execute in advance an agreement with the Deputy Director, Similipal South WL Division, Baripada. In the event of any delay in

the supply of Department Road roller for unavoidable reasons, no extension of time will be granted to the contractor under any circumstances.

43. Sinking of wells shall be measured as per MoSRT&H Specifications for Road & Bridge works (Latest Revision).
44. All method of sinking including pneumatic sinking by employment of divers and other equipment shall be included in the rate. Removal of trees, logs of trees or isolated boulders and de-silting of sand or earth from existing well, rectification of tilt and shift if any, etc. shall also be included within the rate.
45. 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.
46. When resort has to be made for sinking the wells by air lock and vacuum chamber method rates there of shall be pre- decided by authority accepting the tender.
47. 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.
48. For concreting the bottom plugs of well under the method of providing concrete should be either with tremie or any other approved method as well be directed by the Deputy Director, Similipal South WL Division, Baripada with 10% extra cement to be used for under water concreting without any extra cost to the Department.
49. No claim will be entertained in respect of difficulties during sand blowing met with during sinking of wells.
50. No part of the bearing for the superstructure shall be allowed to rest on the noses of the piers.
51. Tor Steel mesh reinforcement shall be provided in the concrete of the girders on the caps of the piers / abutments immediately in contact with the bearing to ensure proper distributions of heavy load.
52. Lugs and grooves shall be provided in the bearings to prevent them from skewing and getting out of alignment.
53. Inspection by the Director General of Supplies and Disposals of the bearing during manufacture and X-Ray or Gama Ray examination of castings thickness more than 8 inches and load testing of bearing if considered necessary shall have to be carried out at the contractor's cost. The same procedure for testing may have to be followed for ribbed bearing manufactured by widening.
54.
 - 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 Deputy Director, Similipal South WL Division, Baripada.
 - 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 a Divisional Forest Officer or above. The contractor shall bear the cost so involved in testing. The test specimen in cube should be carried out in the Departmental Quality Control and Research Laboratory of Cuttack or Bhubaneswar. Test should be carried out in accordance with the stipulation in Bridges code section-III.
 - c) Test specimens shall be formed carefully in accordance with the standard method of taking test specimen and no plea shall be entertained later on the grounds that the casting of the test specimen was faulty and that the result of the specimen did not give a correct indication of the actual quality of concrete.
 - d) Plain concrete and reinforced concrete specimens will be tested in Government Test Houses at Alipore or Quality Control and Research Laboratory at Bhubaneswar. Cost of testing of all specimens and samples will be borne by the Contractor.
 - e) The construction of well staining by injecting cement or grout in coarse aggregate placed in position shall not be permitted.

55. The thickness of cement concrete in top plugging should be as per Departmental drawing.
56. In well sinking, the maximum tolerance permissible in tilt is 1:80 and the shift is 150mm to the normal direction. Where it is not feasible to work these tolerances, the contractor shall carry out suitable remedial measures as may be directed by the Deputy Director, Similipal South WL Division, Baripada to overcome the adverse effects of tilts and shifts without any extra cost to the Department and without any damages to the well. Any additional work necessary consequent upon the excess tilt and shift shall be carried out by the contractor at no extra cost to the Department.
57. Concrete of strength below of the required strength (as determined by actual tests) shall not be accepted.
58. If the well is beyond rectification the well shall be rejected, the well has to be abandoned and another well to be sunk at a suitable location at the cost of the Contractor. The tilt and shift of the well including compensation is to be abided as per the clauses of MoSRT&H Specification for Roads & Bridge works (Latest Revision).
59. No claim for carriage of water what-so-ever will be entertained as this has been included in the estimate and the bidder has to quote his / their rate accordingly.
60. The contractor shall employ one or more Engineering Graduate or Diploma holders as apprentice at his cost if the work as shown in the tender exceeds Rs.2,50,000/-. The apprentices will be selected by the Chief Engineer. The period of employment will commence within one month after the date of work order and would last till the date, when 90% of the work is completed. The fair wage to be paid to the apprentices should not be less than the emolument of personnel of equivalent qualification employed under Government. The number of apprentices to be employed should be fixed by the Deputy Director, Similipal South WL Division, Baripada in the manner so that the total expenditure does not exceed one percent of the tendered cost of the work.
61. Super class contractor shall employ under himself two Graduate Engineer and two Diploma holders belonging to the State of Odisha. Special class contractor shall employ under him one graduate Engineer and two Diploma Holder belonging to the state of Odisha. Likewise, 'A' class contractor shall employ under him one Graduate Engineer or two Diploma Holders belonging to state of Odisha. The contractor shall pay to the Engineering personnel monthly emoluments which shall not be less than the emoluments of the personnel of equivalent qualification employed under the State Govt. of Odisha. The Deputy Director, Similipal South WL Division, Baripada may however assist the contractor with names of such unemployed Graduate engineers and Diploma Holders if such help is sought for by the contractor. The names of such Engineering personnel appointed by the Contractors should be intimated to the tender receiving authority along with the tender as to who would be supervising the work. Each bill of the Super Class, Special Class or 'A' Class Contractor shall be accompanied by an employment Roll of the Engineering personnel together with a Certificate of the Graduate Engineer or Diploma Holder so employed by the contractor to the effect that the work executed as per the bill has been supervised by him. (Vide Works Department No. Codes M-22/91-15384 dated 9.7.91). The required certificate is to be furnished in the proforma contained in a separate sheet vide **Schedule-B**.
62. It is the responsibility of the contractor to procure and store explosive required for blasting operation. Department may render necessary possible help for procuring license.
63. **Amendment of existing Clauses** :- By admission of a tender for the work, a tenderer will be deemed to have satisfied himself by actual inspection of the site and locality of the work, about the quality and availability of the required quantity of material including the wheat/ rice referred to above, medical aid, labour and food stuff etc., and that rates quoted by him in the tender will be adequate to complete the work according to the specifications attached there to and that he had taken in to account

all conditions and difficulties that may be encountered during its progress and to have quoted rates including labour and materials, octroi, other duties, lead, lifts, loading and unloading, freight for all materials and all other charges necessary for the completion of the work, to the entire satisfaction of the **Deputy Director, Similipal South WL Division, Baripada** of the work and his authorized subordinates. After acceptance of the contract rate Government will not pay any extra charges for any reason in case the contractor claims later on to have misjudged as regard availability of materials, labour and other factors. The rates quoted by the Contractor shall be excluding GST. GST as applicable for works contract shall be payable to Contractor on bill amount.

64. The prevailing percentage of I. T. Department of the gross amount of the bill towards income tax will be deducted from the contractor's bill.
65. Prevailing rate of TDS on GST as applicable under Act on the gross amount of the bill will be deducted from the contractor's bill as tax deduction at source (TDS) as per rules.
66. The contractor is required to pay royalty to Govt. towards use of minor minerals and produce such documents in support of their payment to the concerned **Deputy Director, Similipal South WL Division, Baripada** with their bills, falling which the amount towards royalties of different materials as utilized by them in the work will be recovered from their bills and deposited in the Government revenue. This is as per the Gazette Notification No.2280 dtd.15.12.2016 of Steel & Mines Department, Government of Odisha.
67. CESS @ 1 (one)% of the amount of each bill shall be proportionately deducted from the Contractor's bill at the time of making payment of each bill.
68. Under no circumstances interest is chargeable for the dues or additional dues if any payable for the work.
69. Under section 12 of contractor's labour (Regulation and Abolition) Act. 1970 the contractor who undertakes execution of work through labour should produce valid license from licensing authorities of labour Department.
70. **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 Deputy Director, Similipal South WL Division, Baripada.
71. **Trial Boring** - The foundation level as indicated in the body of the departmental drawing is `purely tentative and for the general guidance only. The Department has no responsibility for the suitability of actual strata at the foundation level. The contractor has to conduct his own boring before starting the work and get the samples tested at his own cost to ascertain the S.B.C. and credibility of the strata at founding level. While quoting his rates for tender the contractor shall take in to account of the above aspects.
72. 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 **Deputy Director, Similipal South WL Division, Baripada** 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.
73. From the commencement of the works to the completion of the same, they are to be under the contractor's charge. The contractor is to be held responsible to make good all injuries, damages and repairs occasioned or rendered necessary to the same by fire or other causes and they hold the Govt. of Odisha harmless for any claims for injuries to person or structural damage to property happening from any neglect, default, want of proper care or misconduct on the part of the contractor or any one in

his employment during the execution of the work. Also no claim shall be entertained for loss due to earthquake, flood, cyclone, epidemic, riot or any other calamity whether natural or incidental damages so caused will have to be made good by the contractor at his own cost.

Price Adjustment

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

- (a) The price adjustment shall apply for the work done from the start date given in the contract data up to end of the initial intended completion date or extensions granted by the Engineer and shall not apply to the work carried out beyond the stipulated time for reasons attributable to the contractor.
- (b) The price adjustment shall be determined during each month from the formula given in following Paras
- (c) Following expressions and meanings are assigned to the work done during each month:

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

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

The formula (e) for adjustment of prices is:

96(a) (i): Adjustment of Other Materials Component

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

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

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

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

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

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

96(a)(ii): Adjustment for Cement Component

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

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

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

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

C_1 = The all-India wholesale price index for Ordinary Portland Cement (OPC) for the month under consideration as published by the Ministry of Commerce and Industry, Government of India, New Delhi.

P_C = Percentage of Cement Component of the work

96(a)(iii): Adjustment for Steel Component

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

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

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

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

S_1 = The all-India wholesale price index for steel (Mild Steel long products) for the month under consideration as published by the Ministry of commerce and industry, Government of India, New Delhi.

P_S = Percentage of steel component of the work

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

96(a)(iv): Adjustment of Bitumen Component

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

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

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

- B_0 = The official retail price of bulk bitumen at the IOC / BPCL depot at nearest center on the day 28 days prior to date of opening of Bids.
- B_1 = The official retail price of bulk bitumen at IOC / BPCL depot at nearest center for the 15th day of the month under consideration.
- P_b = Percentage of bitumen component of the work

96(a)(v): Adjustment towards differential cost of Pipes.

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

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

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

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

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

P_{i0} = All India Whole sale price index of pipe on 28 days preceding the date of opening of Bids as published by the Ministry of commerce and Industry, Government of India, New Delhi.

96(b): Adjustment of Labour Component

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

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

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

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

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

P_1 = Percentage of labour component of the work.

96(c): Adjustment of POL (fuel and lubricant) Component

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

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

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

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

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

P_f = Percentage of fuel and lubricants component of the work

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

96(d): Adjustment for Plant and Machinery Spares Component

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

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

V_p = Increase or decrease in the cost of work during the month under consideration due to changes in the rates for plant and machinery spares.

- Po- The all-India wholesale price index for manufacture of machinery for mining, quarrying and construction on 28 days preceding the date of opening of Bids as published by the Ministry of Commerce and Industry, Government of India, New Delhi.
- P1- The all-India wholesale price index for manufacture of machinery for mining, quarrying and construction for the month under consideration as published by the Ministry of Commerce and industry, Government of India, New Delhi.
- Pp- Percentage of plant and machinery spares component of the work
Note: For the application of this clause, index of manufacturing of machinery for mining, quarrying and construction has been chosen to represent the Plant and machinery Spares group.

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

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

96(e): APPLICATION OF ESCALATION CLAUSE:

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

Percentage Table

Sl. No.	Category of works		% Component (cost wise)		
			Labour (PI)	POL (Pf)	Steel (PS)+Cement (PC)+Bitumen (PB)+Pipes (Ppi)+Plant and Machinery spare and component (Pp)+other materials*
1	R&B Works (% of component)	Road Works	5	5	90
		Bridge Work	5	5	90
		Building Works	5	5	90
2	Irrigation works (% of component)	Structural work	5	5	90
		Earth, Canal & Embankment work	5	5	90
3	P.H. work	Structural work	5	5	90
		Pipeline Work	5	5	Pipe- 70% *Machinery + Other material -20%
		Sewer Line	5	5	Pipe- /70% *Machinery + Other material -20%

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

**Appendix to Bid
Schedule of Adjustment Data**

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

Cl. No- 96 of: P1 Contract Sl. No.	Index description	Source of index	Base value *	Base Date*	Weight age of Item**
96 (a)(i)	Other Materials	All India Whole sale price index (all commodities) as published by the Economic Advisor to the Govt of India, Ministry of Commerce and industry			57.07%
96 (a)(ii)	Cement	Whole sale price index for Cement (Ordinary Portland Cement) as published by the office the Economic, Advisor to the Govt. of India, Ministry of commerce and industry.			9.50%
96 (a)(iii)	Steel	Whole sale price index for steel (Mild Steel-Long Products) as published by the office of the Economic Advisor to the Govt. of India. Ministry of Commerce and Industry.			19.06%
96 (a)(iv)	Bitumen (VG-30)	Official retail price of bulk bitumen at the nearest IOC/HPCL depot			0.00%
96 (a)(v)	Pipes	Whole sale price index for the type of Pipe under consideration, as published by the office the Economic Advisor to the Govt. of India, Ministry Commerce and Industry.			0.00%
96 (b)	Labour	Minimum Wage notified by the Labour and Employee's State Insurance Department of Government of Odisha, India			5%
96 (c)	POL	Official retail price of HSD at near IOCL/ HPCL/ BPCL Consumer pump depot.			5%

96 (d)	Plant and Machinery	Whole sale price index for Manufacture of Machinery for Mining, Quarrying and Construction as published by the office the Economic Advisor to the Govt. of India, Ministry of Commerce and industry.			4.37%
				Total	100%

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

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

1. 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.
2. The contractor has to arrange the land required for borrowing earth if necessary, for the road work at his cost. No extra payment by the Department will be made on this account and no claim what-so-ever will be entertained on this ground. The rate quoted by the contractor should be inclusive of all such charges.
3. Where it will be found necessary by the Department, the Divisional Forest Officer of the work shall issue a Site Order book to the contractor to be kept at the site of the work with pages serially numbered. Orders regarding the work whenever necessary are to be entered in this book by the Divisional Forest Officer with their dated signatures and duly noted by the contractor or his authorized agents with their dated signature. Orders entered in this book and noted by the contractor's agent shall be considered to have been duly given to the contractor for following the instructions of the Department. The Site Order Book shall be the property of the Department and shall not be removed from the site of work without written permission of the Deputy Director, Similipal South WL Division, Baripada and to be submitted to the Deputy Director, Similipal South WL Division, Baripada every month.
4. The bidder should conduct three bores at each pier and S.B.C. of soil at foundation level and abutments location and furnish the test results in conformity with I.R.C. code at his own cost before execution of the work and rate quoted by the contractor should be inclusive of such bores and S.B.C. tests etc. without any extra cost to the Department.
5. The details of foundation, sub-structure and floor protection for execution shall be done in accordance with the test results thus obtained.
6. The contractor shall have no claim what so ever for the extra quantity of work to be executed in view of above possible changes and payments is to be made as per Clause 10 of the **P-1**Contract.
7. Over and above these conditions, the terms and conditions and rules and regulations and specifications as laid down in Odisha P.W.D. Code, Bridge code and MoSRT&H Specifications with latest revision / amendment are also binding on the part of the contractor.
8. No part of the contract shall be sublet without written permission of the concerned Deputy Director, Similipal South WL Division, Baripada or transfer be made by power of Attorney authorizing others to receive payment on the contractor's behalf.
10. 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.
11. 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.

12. 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.
13. 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.
14. 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.
15. The contractor shall make requisition of claim book from the date of commencement of the work from the Department and shall maintain in proper P.W.D. form with pages serially numbered in order to record items of works are not covered by his contract and claimable as extra. Claims shall be entered regularly in this book under the dated signature of the contractor or his duly authorized agents at the end of each month. A certificate should be furnished along with the claim to the effect that he has no other claim beyond this claim up-to-date. If in any month there are no claims to record, a certificate to that effect should be furnished by the contractor in the claim book. Each claim must be defined and should be given as far as possible regarding the quantities as well as the total amount claimed. The claim book must be submitted by the contractor regularly by 10th and 16th days of each month for orders of the Divisional Forest Officer or competent authority. Claims not made in this manner or the claim books not maintained from the commencement of the work are liable to be summarily rejected. The claim books are the property of the Department and shall be surrendered by the contractor to the Divisional Forest Officer after completion of the work or before recession of the contract by the Department whichever is earlier for record.
16. Number of tests as specified in I.R.C./MoSRT&H/I.S.I specification required for the construction of roads /bridges / buildings or any other structural works will be conducted in any Govt. Test House / Departmental laboratories/reputed material testing laboratory as to be decided by the Divisional Forest Officer. Testing charges including expenditure for collection / transportation of samples /specimens etc. will be borne by the contractor. The collection of samples and testing are to be conducted for both prior to execution and during execution as may be directed by the Divisional Forest Officer and on both the accounts the cost shall be borne by the contractor.
17.
 - 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 Divisional Forest Officer and above.
 - iii) After completion of the road in all respects the road furniture's should be affixed by the executing agency indicating locations like school, hospital, No-horn etc.
18. **Condition for issue of plant & machinery to contractor on hire:** - Tools & plants will be issued to the contractor only if it is desirable in the interest of Govt. works and if these can be spared without inconvenience to the Department. The Sanction of the Deputy Director, Similipal South WL Division, Baripada shall be necessary in each case. The contractor shall arrange his programme of work according to the availability of the plant & machinery & no claim will be entertained for any delay in supply by the Department.

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

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

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

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

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

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

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

The tools and plants shall while in transit and in the custody of contractor be at his sole risk and responsibility for damages and / or loss except fair wear and tear. The damage or loss as assessed by Deputy Director shall be made good by the contractor. In the event of a disagreement as to the extent of damage or the value of article lost, the decision of Deputy Director, Similipal South Wildlife Division, Baripada shall be final. The contractor shall on or before the supply of plant and machinery sign an agreement in indemnifying the Govt. against loss or damage to the machine. The Contractor shall also be responsible for any claim for compensation for loss of life, injury or damages to property etc. arising from any cause what-so-ever. The contractor shall provide full time chaukidar for guarding the plant and machinery at site.

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

FORM OF AGREEMENT – The contractor shall, before taking the possession of the machinery, enter in to an agreement with the Divisional Forest Officer or his nominees in the form attached.

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

AGREEMENT FOR LOANS OF GOVERNMENT TOOLS & PLANTS.

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

Whereas the hirer desirous of hiring the tools and plants of the Department of the Odisha Govt. more particularly specified in the schedule here under between here in after referred to as "the tools and plants".

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

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

- (a) In consideration of agreement that hire charges be recovered from their bill for work executed on which this machinery will be used or any other than standing in the names of contractors in the book of the Department or any other Government Department. The Govt. agrees to let the hirer tools and plants for the period to be computed from the date of delivery of the tools and plant to the hirer at the Forest Department workshop **at headquarters of concerned Deputy Director, Similipal South WL Division, Baripada as per Contract Data.**
- (b) The rate of higher charges will be as mentioned in the schedule attached.
- (c) The hirer shall not transfer, assign or sublet or in any way part with the tools and plants or any part there-off without the previous written approval of the Deputy Director
- (d) On the expiry of the period of the hire, the hirer shall return the tools and plants to the Public Works Department. & Workshop / Store at **headquarters of concerned Deputy Director, Similipal South WL Division, Baripada as per Contract Data** in the same good condition in which they were received by him.
- (e) In the event of the tools and plants not being returned on the expiry of the above-mentioned period, the hirer shall without prejudice and any other liability pay to the Government on account equivalent to the rate of hire specified for the working period and an increase of ten percent.
- (f) The tools and plants shall be open for inspection at all times to the officers of the Government.
- (g) The hirer shall not operate the tools and plants so hired for more than one shift / two shifts of 8 hours each per day without the prior sanction of the Divisional Forest Officer. If the hirer operates the tools and plants beyond the aforesaid limit without the prior sanction of the **Deputy Director, Similipal South WL Division, Baripada**, he shall pay to Government additional hire charges as well as over time charges for staff for such excess operation at the rate approved by the Deputy Director from time to time.
- (h) In case of break down, repairable at the site within a period of three days hire charges as specified in the schedule will be levied except in case of major repairs.
- (i) Normally the tools and plants will be supplied with operating staff.
- (j) The hirer shall be responsible for any claims for compensation for loss of life, injury or damage to property etc. arising due to any causes what-so-ever during the period of the machinery is in his charge.
- (k) All municipal or other dues and taxes payable on account of the use or operation of the tools and plants for the period of hire shall be defrayed by the hirer.
- (l) The hirer shall make good any loss or damages arising out of causes other than fair wear and tear to the tools and plants during the period of hire. The cost recoverable from the hirer shall be the full replacement value as determined by the Deputy Director. In the event of any loss or damage not being made good by the hirer to the satisfaction of the said Deputy Director the office shall be at liberty to make good himself such loss or damage and recover the cost thereof from the hirer. The hirer shall pay to the Deputy Director such an

amount as shall be necessary to make good the loss or damage failing which the same will be recovered from his dues as in case of hire charges.

- (m) On the breach of any terms or conditions of this agreement by the hirer the Deputy Director- shall be entitled to demand the return of tools and plants and the hirer shall return the tools and plants within 72 hours from the date of receipt of such order in writing .In case of failure on the part of the hirer to comply with such order he shall be liable to pay such penalty as may be imposed by the Deputy Director for the period the tools and plant are detained provided that the maximum penalty shall not exceed the cost replacement of the tools and plants.
- (n) In case of any disputes between the hirer and the Government, the decision of the **Deputy Director, Similipal South WL Division, Baripada** shall be final.
- (o) This agreement shall be operated by the Deputy Director on behalf of the Government and the term Deputy Director shall include all officers duly authorized by him to exercise powers on his behalf.

THE SCHEDULE

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

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

Signed by: 1. 2.

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

1. The agency will be responsible for traffic management and maintenance of the stretch of the road (for which the tender has been invited) at his own cost during the period of execution.
2. 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.
3. The information furnished must be sufficient to show that the applicant is capable in all respects to successfully complete the envisaged work.
4. 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.

ADDENDUM TO THE CONDITION OF P1CONTRACT

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

2.1. Progress of work and Re-scheduling programme.

- 2.1.1. The Deputy Director, Similipal South WL Division, Baripada shall issue the letter of acceptance to the successful contractor. The issue of the letter of acceptance shall be treated as closure of the Bid process and commencement of the contract.
- 2.1.2. As per amendment to Para-3.5.18 Note-VIII of O.P.W.D. Code Volume-I, before acceptance of the tender. The successful bidder will be required to submit a work programme and Milestone basing on the financial achievement so as to complete the work within the stipulated time and in case of failure on part of the agency to achieve the Milestone Liquidated damages will be imposed.
- 2.1.3. To ensure good progress during the execution of the work the contractors shall be bound in all cases in which the time allowed for any work exceeds one month to complete, $\frac{1}{4}$ 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.
- 2.1.4. If at any time it should appear to the Divisional Forest Officer that the actual process of the work does not conform to the programme to which consent has been given the Contractor shall produce, at the request of the Deputy Director/Divisional Forest Officer 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 Divisional Forest Officer may withhold the amount of 1% of the contract value from the next payment certificate and continue to withhold this amount until the next payment after the date on which the overdue Programme has been submitted.
- 2.1.5. An update of the Programme shall be a programme showing the actual progress achieved on each activity and the effect of the progress achieved on the timing of the remaining work including any changes to the sequence of the activities.
- 2.1.6. The Divisional Forest Officer approval of the Programme shall not alter the Contractor's obligations. The Contractor may revise the Programme and submit it to the Divisional Forest Officer again at any time. A revised Programme is to show the effect of Variations and Compensation Events.

2.2. Extension of the Completion Date.

- 2.2.1. The time allowed for execution of the works as specified in the Contract data shall be the essence of the Contract. The execution of the works shall commence from the 15th day or such time period as mentioned in letter of Award after the date on which the Divisional Forest Officer issues written orders to commence the work or from the date of handing over of the site whichever is later. If the Contractor commits default in commencing the execution of the work as aforesaid, Government shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the earnest money & performance guarantee / Security deposit absolutely.
- 2.2.2. As soon as possible after the Contract is concluded the Contractor shall submit the Time & Progress Chart for each milestone and get it approved by the Department. The Chart shall be prepared in direct relation to the time stated in the Contract documents for completion of items of the works. It shall indicate the forecast of the dates of commencement and completion of various trades of sections of the work and may be amended as necessary by agreement between the Divisional Forest Officer and the Contractor within the limitations of time imposed in the contract documents, and further to ensure good progress during the execution of the work, the contractor shall in all cases in which the time allowed for any work, exceeds one month (save for special jobs for which a separate programme has been agreed upon) complete the work as per milestone given in contract data.
- 2.2.3. In case of delay occurred due to any of the reasons mentioned below, the Contractor shall immediately give notice thereof in writing to the Divisional Forest Officer but shall nevertheless use constantly his best endeavors to prevent or make good the delay and shall do all that may be reasonably required to the satisfaction of the Divisional Forest Officer to proceed with the works.
- 2.2.3.1 Force majeure, or

- 2.2.3.2 Abnormally bad weather, or
- 2.2.3.3 Serious loss or damage by fire, or
- 2.2.3.4 Civil commotion, local commotion of workmen, strike or lockout affecting any of the trades employed on the work, or.
- 2.2.3.5 Delay on the part of other contractors or tradesmen engaged by Divisional Forest Officer in executing work not forming part of the Contract.
- 2.2.3.6 In case a Variation is issued which makes it impossible for Completion to be achieved by the Intended Completion Date without the Contractor taking steps to accelerate the remaining work and which would cause the Contractor to incur additional cost, or
- 2.2.3.7 Any other cause, which, in the absolute discretion of the authority mentioned, in Contract data is beyond the Contractors control.
- 2.2.4 Request for reschedule and extension of time, to be eligible for consideration, shall be made by the Contractor in writing within fourteen days of the happening of the event causing delay. The Contractor may also, if practicable, indicate in such a request the period for which extension is desired.
- 2.2.5 In any such case a fair and reasonable extension of time for completion of work may be given. Such extension shall be communicated to the Contractor by the Divisional Forest Officer in writing, within 3 months of the date of receipt of such request. Non-application by the contractor for extension of time shall not be a bar for giving a fair and reasonable extension by the Divisional Forest Officer and this shall be binding on the contractor.

2.3. Compensation for Delay.

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

This will also apply to items or group of items for which a separate period of completion has been specified.

Compensation @ 1.5% per month for delay of work, delay to be completed on per Day basis.

Provided always that the total amount of compensation for delay to be paid under this condition shall not exceed 10% of the Tendered Value of work.

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

2.4. Management Meetings.

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

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

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

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

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

As per said amendment a Contractor may be blacklisted

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

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

- a. Required **Cost of Bid document as per Clause No.04.** The proof of payment of cost of bid document must be uploaded with the tender documents.
- b. The bidder is required to submit **1% EMD through online over the amount put to tender as per Clause - 06.**
- c. Scanned Copy of valid Contractor's Registration Certificate, GST Registration certificate, GSTIN, PAN card along with the tender documents as per **Clause No.07.**
- d. Information in scanned copy regarding current litigation, debarring / expelling of the applicant or abandonment of work by the applicant in **schedule "E"** and **affidavit to that effect including authentication of tender documents in schedule "F"** as per **clause-11.**
- e. No relation Certificate in Schedule - A
- f. Submission of documents as prescribed in the relevant clause of DTCN.

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

Special Condition:

- ❖ All reinforcement steel and structural steel shall be procured from primary producers of steel- SAIL/RINL/TATA/JINDAL STEEL/ SHYAMSTEEL.
In case of exigency, other brands (primary producers) of steel may be used with proper justification and prior approval of competent authority satisfying the tests as required by BIS's Code.
The Cement of the companies having their own manufacturing units in the State of Odisha is to be used in all works.

N.B. If any doubt or clarification sought for may be contacted through

e-mail-ID: dfo.similipalsouthwl@odisha.gov.in

Tenderers are required to submit the information in the following Schedules

SCHEDULE-A

CERTIFICATE OF NO RELATIONSHIP

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

(*) - Strike out which is not applicable

Signature of the Tenderer

Date: -

SCHEUDLE -D

CERTIFICATE OF LIST WORKS EXECUTED

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

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

Signature of the tenderer

Date.

SCHEDULE – E

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

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

Signature of the tenderer

Note:

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

AFFIDAVIT

(To be furnished in original in legal stamp paper)

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

(Signature of Tenderer)

Title of Officer

Name of Firm

Date.

GENERAL INSTRUCTION TO CONTRACTORS

1. Any Agency or Contractor executing a work should be aware about the local festivals like Makar Sankranti, Raja Sankranti, Chaiti Parab, Danda Nata or any such festivals which may affect the work schedule. Therefore, the contractor should engage more work forces during working period available at his disposal to complete the work as per schedule.
2. In the peak summer season, working hour is curtailed by the Labour Department to avoid exposure to personnel to the scorching sun and heat. It is the duty of the agency to increase the number of workforce and to employ the existing workforce during morning and afternoon as per government orders.
3. Rainfall is a normal occurrence during monsoon in Odisha. So, unless there is unusually heavy rainfall resulting in a declared calamity, the contractor is not eligible for any extension of time. The Contractor should plan the deployment of workforce and machinery, so as to complete the works as per schedule considering ordinary vagaries of the nature.
4. The Contractor should take up the work with due diligence in the acquired land without waiting for acquisition of the entire land. This should be completed in proportionally less period depending on the quantum of available work front.
5. The Agency should plan his work programme and mobilize men and machineries considering the canal closure programme of a particular system or area. Khariff / Rabi closure can't be imposed arbitrarily on the farmers as per the convenience of the agency. Closure of canal for the interest of work will be solely at the discretion of the Engineer-in-Charge and can't be claimed as a matter of right.
6. There will always be standing crop before harvesting season as per crop schedule and this fact has to be clearly understood by the agency. Extension of time on this ground may not be considered by Divisional Officers.
7. Only the day(s) of elections to the Local Bodies / Assembly / Parliament will be treated at a non-working day(s).

SPECIAL INSTRUCTION TO CONTRACTORS

N.B : The materials specifically Cement & MS Rod to be used for construction of works are as follows :

1. **Cement** : Ultratech, Lafarge, Dalmia, Concreto.
2. **MS Rod** : Tata Tiscon, SAIL.

BILL OF QUANTITY

DEVELOPMENT OF VARIOUS TOURISM INFRASTRUCTURES AT SITAKUND WATERFALL SITE, MAYURBHANJ, BARIPADA						
Sl. No.	Item Description		TOTAL QUANTITY	UNIT	RATE	AMOUNT
A	CIVIL		3	4	5	6
1	Earth work in excavation of foundation trenches in all kinds of soil including dressing and levelling the bed upto the required depth and depositing the excavated materials with all leads & lifts T&P shoring and shuttering watering if necessary etc. complete as per directed by the Engineer-in-charge		411.00	/Cum	431.82	1,77,478.93
2	Filling foundation trenches with excavated earth including watering ramming and compacting in layer not exceeding 150 mm thick including labour sundries T & P etc. complete and as per direction of Engineer-in-charge		248.47	/Cum	287.88	71,528.99
3	Excavation of any approved type of soil in approved borrow area by mechanical means loading into & transportation by mechanical means and unloading the soil within initial lead of 1km on properly prepared and scientifically approved surface including spreading and levelling the earth in 22.5cm layers to make ready for watering and compaction with sheep foot rollers and dozers but excluding watering and compaction in dams and dykes for all heights including construction , maintenance , watering and lighting of haul road and borrow area etc. complete as per direction of Engineer - In-Charge.(measurement of the fill to be taken on the finished compacted section)Providing filling foundation and plinth with sand well-watered and rammed with rammer including cost of all materials and labour T & P etc. complete.		124.23	/Cum	565.52	70,256.91
4	Supplying & filling in foundation and plinth with good quality river sand including watering, ramming with cost, conveyance, royalties, taxes of all materials and cost of all labour with T&P, sundries required for the work etc., complete (Measurement will be taken on finished compacted section) as per specification and direction of Engineer-in-charge.		160.13	/Cum	1,277.41	2,04,552.24
5	Cement concrete(1:3:6) using 40 mm size B.H.G C.B chips laying in layers not exceeding 150mm ramming in rammer, watering and curing etc.		42.76	/Cum	6,453.89	2,75,995.44
6	Fly-Ash Brick masonry with c.m (1:6) in foundation and Plinth using Fly-Ash Bricks 250 x 120 x 81mm size watering ,curing etc complete including cost of materials, labour all comp. complete as per the direction of Engineer-In-Charge		32.69	/Cum	5,917.84	1,93,440.04

7	Providing, lifting, hoisting and laying R.C.C of M-25 grade in Column base, Column Footings, Raft Foundation, Stem of the Columns, beams, chajja, fin, lintel, stair Case, jali , shelves and slab etc as per approved designs and drawings having a minimum Compressive strength (in work test) 20N. / Square mm. in 15cm. cubes at 28 days after mixing and test conducted in accordance with 1.S. 456 and 1.S. 516 using screened & washed sharp Hiver sand far mertar and 18mm. to 20 mm. size black hand crusher broken granite stone chips of approved quality from approved quarry, washed and cleaned to be mixed in concrete mixture with approved quality of cement Including hoisting, lowering, laying and compacting concrete by using vibrators, watering and curing for 29 days including, centering and shuttering then after {dismantling and removing the debris away from the work site and finishing the exposed ~ Surface -smooth. providing grooves-or beads: wherever necessary. including: cost, conveyance, loading, unloading, royalties and taxes of all materials , cost of all labours, scaffolding, sundries, T&P required for the work etc. Complete in all respect but the excluding cost & conveyance of M.S. rods or Tor Steel and Binding wires and labour charges for straightening, cutting, bending etc. of M.S. rods or Tor steel and binding wires and tying the grills and placing in. proper position as directed by the Engineer-in-charge.					
a)	Footing		63.75	/Cum	8,115.98	5,17,418.22
b)	Pedestal		0.58	/Cum	8,115.98	4,674.81
c)	Pedestal upto NGL		4.98	/Cum	8,115.98	40,429.77
d)	Coloumn		24.44	/Cum	19,359.98	4,73,119.26
e)	Plinth Bend		28.36	/Cum	15,351.44	4,35,395.62
f)	Floors		29.19	/Cum	7,315.09	2,13,509.09
g)	RCC Slab		41.04	/Sqm	1,409.08	57,828.58
h)	Lintal		0.04	/Cum	15,351.44	537.30
8	Cutting, Straightening coiled or bent up M.S plain HYSD/TMT reinforcement bars welding or jointing if necessary bending, binding, tying the grills as required for R.C.C works, providing fan hooks where necessary and hoisting, lowering and placing in proper position according to approved designs and drawings including cost, canveyance, loading, ...unloading & taxes of M.S Plain HYSD/TMT reinforcement bars and binding wires of 18 to 20 gaugo required for the work and cost of all labour, sundries, TP and Scaffolding complete in alt respect as directed by the Engineer in charge (payment will be made according to the actual weight of M.S Plain HYSD/TMT reinforcement bars consumed in the work only.		135.81	/Qntl	7,312.97	9,93,159.19

9	Brick work with Fly Ash bricks 25cm x 12cm x 8cm size having crushing Strength not less than 75kg/cm ² in cement mortar (1:6) in superstructure including all cost complete as per direction of Engineer-In-Charge.		55.83	/Cum	5,951.17	3,32,251.05
10	6mm thick cement plaster (1:4) over R.C.C surface including all cost and conveyance, royalty, taxes of all materials etc. complete as directed by the Engineer in Charge.		144.52	/Sqm	230.09	33,252.90
11	Providing 12mm thick cement plaster in cement mortar (1:6) in all floors finished smooth to out, Side smooth surface of brick walls after racking out joints, scrapping & cleaning the surface & finishing the plaster surface Smooth using wooden float only to proper plumbs & level and making necessary grooves, beads & drip course to give required ornamental finish as per drawing, watering, curing, Scaffolding, screening sand etc. complete with cost, conveyances, royalties, taxes of all materials and cost of all Jabour with T&P, sundries required for the work etc. complete as per specification & direction of Engineer-in-charge		268.90	/Sqm	201.11	54,077.55
12	16mm thick cement plaster (1:6) on brick work inside wall including all cost conveyance royalty & taxes etc, to work site as per direction of Engineer-In-Charge		144.73	/Sqm	287.65	41,632.65
13	2.5cm thick A.S flooring with C.C (1:2:4) using 12 mm chips lowering and laying concrete with punning etc complete.		196.51	/Sqm	427.41	83,989.38
14	Providing and Painting wall Surface one coat with Wall Primer to give an even shed before applying weather coat to Exterior walls including cost of Primer, labour, T&P all comp.		685.29	/Sqm	80.60	55,235.00
15	Wall painting 2 coats with weather coat over a coat of primer to inside and out side smooth surface with all cost of labour, T&P material etc complete.		402.82	/Sqm	225.01	90,636.20
16	Providing, Fitting & Fixing of Granite Stone in Floors, steps & Landing slab over 25mm thick cement plaster in Cement Mortar (1:1) including cost of Tiles, Labour, T&P all comp.		70.68	/Sqm	3,728.12	2,63,503.43
17	Finishing wall surface of walls with Acrylic wall putty (Water based) of approved make and finished smooth and even surface to receive painting including cost of scaffolding staging charges with cost of all materials taxes, labour T&P etc complete.		177.57	/Sqm	145.90	25,906.27
18	Wall painting two coats with Plastic emulsion paints over a coat primer of approved shade including cost and conveyance of all materials to site, and all labour charges complete as per direction of E.I.C..		177.57	/Sqm	104.27	18,514.68
19	Supplying, fitting and fixing vetrified tile in floors of size 600mm x 600mm of approved make with application of polymer modified cement based water resistant adhesive bed of required thickness of 10mm and filling joints with epoxy grout of approved quality including cost of all materials, labour T&P etc required for the work.		38.41	/Sqm	2,351.41	90,324.67
20	Providing, Fitting & Fixing of Vitrified tiles in Walls on 12mm thick Cement Plaster in Cement mortar (1:3) jointed with neat cement Slurry mixed with Pigments including cost of Tiles, labour, T&P all comp.		110.76	/Sqm	2,956.31	3,27,433.12
21	Supplying, fitting and fixing of two track UPVC sliding window of approved make with 6mm thick glass of approved quality complete with frame, shutters and all fitting and fixtures.		7.38	/Sqm	4,960.97	36,611.96
22	Supplying, fitting and fixing of openable UPVC doors with door frame of approved make with 6mm thick glass of approved quality complete with frame, shutters and all fitting and fixtures.		10.92	/Sqm	8,682.12	94,808.75

23	Water proofing treatment		210.92	/Sqm	234.80	49,524.60
24	Providing dry rubble rock toe with blasted and quarried granite boulders of sizes 30cm and above with all leads and lifts including dumping with packing interstices properly and surface packing to proper line and level complete as directed by the Engineer-in-charge. (No deduction to be made towards voids in finished section.) (Cost of transportation to be added)		19.50	/Sqm	1,772.98	34,573.17
					TOTAL	53,61,706.59
					OR SAY	53,61,707.00
B	SEPTIC TANK. (50 USER) Size-(4x1.4x2) Mtr					
1	Earthwork in excavation in all types of soil for site leveling, foundation, pits, trenches and other civil works up to and including 1.5 metre lift and stacking the soil upto a lead of 100 metre and including dewatering, removing slush, shoring and strutting (as required), complete as per specification and as directed by the Engineer-In-Charge.		13.50	Cum	431.82	5,829.57
2	Filling at all depth with available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 15 cm in depth: consolidating each deposited layer by ramming and watering complete (lead upto 100m) as directed by the Engineer-In-charge.		9.05	Cum	287.88	2,603.87
3	Supplying of filling sand in foundation and over areas including watering, ramming, consolidating and dressing, labours, tools, taxes etc. all complete as per the specification and direction of E.I.C.		1.20	Cum	1,277.41	1,532.89
4	Providing and laying plain cement concrete 1:3:6 (1 cement:3 sand: 6 stone aggregate 40mm nominal size) as levelling course in foundation and plinth etc. including tempering, curing, shuttering etc. complete all depth and height.		0.60	Cum	6,453.89	3,872.33
5	Providing, lifting, hoisting and laying Reinforced cement concrete of M-25 grade as per approved designs and drawings having a minimum compressive strength (in work test) 250 Kg. / Square cm. in 15 cm. cubes at 28 days after mixing and test conducted in accordance with I.S. 516 using 12 mm. to 20 mm. size black hard crushed broken granite stone chips and screened and washed sharp sand for mortar of approved quality from approved quarry, washed and cleaned (20mm. size chips not to exceeds 25 %) to be mixed in concrete mixture with Portland slag cement (PSC) including hoisting, lowering, laying and compaction concrete by using vibrators, watering and curing for 28 days, centering and shuttering then after dismantling and removing debris from the work site and finishing the exposed surface smooth providing grooves or beads wherever necessary including cost, conveyance, loading, unloading, royalties and taxes of all materials and cost of all labours, sundries, T & P required of the work etc. complete in all respect as directed by the Engineer-in-Charge. But excluding cost and conveyance of M.S. rods or Tor steel and binding wires and labour charges for straightening, cutting, bending etc. of M.S. rods or tor steel tying the grills and placing in proper position.					

	a) Base					
	Septic tank		1.20	Cum	8,115.98	9,739.18
	b) Wall/Beam					
	Septic tank					
	X-axis					
	Y-axis					
	Less Cutout					
	Baffle Wall		5.91	Cum	19,359.98	1,14,470.74
	c) Slab					
	Septic tank					
	Less MH					
	Inlet & outlet chamber		1.19	Cum	15,095.07	17,911.95
6	Supplying, straightening, cutting, bending, placing in position and binding reinforcement steel work in RCC/reinforced brick works as per drawing and specification including preparation of respective bar bending schedule and binding (Binding wire to be used as per the IS code) etc. all complete as per direction of Engineer-In-Charge. Cold Twisted bars, Thermo-Mechanically-treated bars.		8.30	Qntl	8,553.60	70,989.40
7	Fly Ash bricks Masonry (1:6) (in F & P).					
	First class Fly Ash Brick masonry using F.A. bricks of size 25 cm. x 12 cm. x 8 cm. having crushing strength not less than 75 kg. Per. Sqr. Cm. in cement mortar of mix(1:6) with ordinary Portland slag cement(PSC) and screened & washed sand for mortar after immersing the bricks for 6 (Six) hours in water before use in Foundation & Plinth including splays cutting, circular moulding, corbelling, chamfering and similar such type of works, watering and curing etc. including cost, conveyance, loading, unloading, royalties and taxes of all materials, cost of all labour, scaffolding, sundries, T&P required for the works etc. complete in all respect as directed by the Engineer-in-Charge.		0.41	Cum	5,917.84	2,404.12
8	12mm cement plaster on internal smooth side of RCC/brick surfaces with cement mortar of mix 1:4 (1 cement : 4 fine sand) including neat cement punning & necessary scaffolding, curing etc. all complete at all floors and all heights.		57.69	Cum	201.11	11,601.56
9	16 mm Plastering.					
	Providing 16mm. thick cement plaster in all floors at all height with cement mortar of mix (1:6) with OPC 53 grade cement finished smooth to inside smooth surface of brick masonry walls after racking out the joints including watering and curing, rounding of corners etc. complete with cost, conveyance, loading and unloading, royalties and taxes of all materials and cost of all labours, sundries, T&P and scaffolding required for the work etc. complete in all respect as desired by the Engineer in charge.		7.96	Cum	287.65	2,288.57

10	Supplying all materials, labour, T&P and providing , fitting & fixing 100mm x100mm x100 mm SW Tee in wall including filling the recess with cement concrete (1:3:6) with 12mm size H.G chips all complete including watering, curing, conveyance of all materials to worksite, payment of royalty all complete as per specification and direction of the Engineer in charge.		2.00	Each	309.70	619.40
11	Supplying all materials, labour, T&P and making MS STEP IRON IN 20MM diameter MS steel bars & fixing into walls of man hole/septic tank duly embedded in cement concrete (1:3:6) complete as per specification and direction of the Engineer in charge.		5.00	Each	176.30	881.50
					TOTAL	2,44,773.73
C	(Pathway)					
1	Construction of granular sub-base by providing Close graded Granular sub- base Grading-III material as per table 400-1, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with vibratory roller to achieve the desired density complete as per Clause 401 of MoSRT&H Specifications for Road & Bridge works (4th Revision) PAGE- 160		318.00	/cum	2,948.37	9,37,581.66
2	Providing stone riprap to the slopes of earth dam and dyke with quarried and blasted granite stone boulders of size 0.30m and above including dumping on slopes filling interstices with small stones & wedges and packing surface to proper line and levels including fixing wave breakers complete with all leads & lifts complete as directed by the Engineer-in-charge. (No deduction towards voids in finished section.) (Cost of transportation to be added)		318.00	/cum	1,983.38	6,30,714.01
					TOTAL	15,68,296.50
D	(Parking)					
1	Construction of granular sub-base by providing Close graded Granular sub- base Grading-III material as per table 400-1, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with vibratory roller to achieve the desired density complete as per Clause 401 of MoSRT&H Specifications for Road & Bridge works (4th Revision) PAGE- 160		254.31	/cum	2,948.37	7,49,799.97
2	Providing stone riprap to the slopes of earth dam and dyke with quarried and blasted granite stone boulders of size 0.30m and above including dumping on slopes filling interstices with small stones & wedges and packing surface to proper line and levels including fixing wave breakers complete with all leads & lifts complete as directed by the Engineer-in-charge. (No deduction towards voids in finished section.) (Cost of transportation to be added)		254.31	/cum	1,983.38	5,04,392.71

	added)					
					TOTAL	12,54,193.3
E	Site leveling & PRR					
1	Earth work in hard soil or gravelly soil in embankment, roads etc. within 50m initial lead and 1.5m initial lift including rough dressing and breaking clods to maximum 5cm to 7cm and laying in layers not exceeding 0.3m in depth and as per specification approved by the Department alongwith proper compaction with P.R.R. including hire and running charges of P.R.R. (section measurement to be taken on the finished compacted section of the fill)		219.44	cum	408.32	89,601.50
2	Providing granular sub-base using with morrum & sand and compacted with PRR		151.44	cum	1,655.45	2,50,700.42
3	Providing WBM 75mm thick compacted thickness against the loose collection of 100mm using one cum of metal with 0.25 cum of gravel as bindage per 10sqm, and consolidation with PRR including cost, conveyance, and T&P required for the work.					
			56.79	cum	2,868.18	1,62,883.26
					TOTAL	5,03,187.03
F	Ramp					
1	Providing granular sub-base using with moorum & sand and compacted with PRR		23.44	cum	1,655.45	38,802.76
2	Providing WBM 75mm thick compacted thickness against the loose collection of 100mm using one cum of metal with 0.25 cum of gravel as bindage per 10sqm, and consolidation with PRR including cost, conveyance, and T&P required for the work. 53mm to 22.4mm		8.79	cum	2,868.18	25,210.65
3	Providing Reinforced Cement Concrete of (1:1.5:3) with 12mm downgraded stone aggregate in foundations upto a depth of 1.5m below ground level and upto a height of 1.5m above ground level / bed level including cost and conveyance of all materials to site, and all labour charges complete as per direction of E.I.C.		23.44	cum	8,452.57	1,98,123.14
					TOTAL	2,62,143.29
G	PH FITTINGS (TOILET & ADMIN BLOCK)					
1	Supplying all materials, labour, T&P and providing and fixing to wall or ceiling and floor pvc pipes conforming to ASTM-D-1785/89 (Sch-80) and pipe fittings of the following nominal bore with clamps including making good the wall, ceiling and floor all complete as per specification and direction of the Engineer in charge.		80.00	Mtr	211.50	16,920.00

	Ground Floor 25mm dia PVC ASTM pipe (sch-80)					
	32mm dia PVC ASTM pipe (sch-80)		50	Mtr	275.60	13,780.00
	40mm dia PVC ASTM pipe (sch-80)		80	Mtr	361.10	28,888.00
2	Supplying all materials, labour, T&P and providing and fixing to wall or ceiling and floor CPVC pipes conforming to IS:15778 having thermal stability for hot and cold water supply, including all CPVC plain and brass threaded fittings including fixing the pipe with clamps at 1.00. spacing. This includes Jointing of pipes & fittings with one step CPVC solvent cement and testing of Joints all complete as per specification and direction of the Engineer in charge. Ground Floor 20mm dia CPVC pipe		8	Mtr	273.40	2,187.20
	25mm dia CPVC pipe		80	Mtr	361.70	28,936.00
	32mm dia CPVC pipe		90	Mtr	534.60	48,114.00
3	Supplying all materials, labour, T&P and cutting holes through existing brick work including making good the damages in cement mortar (1:4) for taking GI pipes and fittings/ PVC pipes and fittings etc all complete as per PH specification and direction of the Engineer in charge. 250mm thick wall Ground Floor		15	Each	64.10	961.50
4	Supplying all materials, labour, T&P and cutting hole in R.C.C floors, roofs, etc upto 19 cm thick for passing GI pipes / PVC pipes and fittings etc and repairing the holes after insertion of pipes etc with cement concrete (1:2:4) including finishing complete so as to make it leak proof as per direction of the Engineer in charge. Ground Floor		22	Each	218.10	4,798.20
5	Supplying all materials, labour, T&P and cutting grooves in pucca floors and walls for taking GI/ PVC pipes and making good the damages as per the direction of the Engineer in charge. Ground Floor		8	Mtr	228.00	1,824.00
6	Supplying all materials, labour, T&P and fitting and fixing brass/CP fittings of the following nominal bore with supply of all jointing materials complete as per specification and direction of the Engineer in charge. 15 mm dia 2 WAY BIB COCK WITH WALL FLANGE (FLR-CHR-5041N Jaquar Make)		11	Each	2140.90	23,549.90
7	15mm dia CP Health Faucet (ALD-CHR-577)		11	Each	1698.00	18,678.00
8	15 mm dia CP Long body Bib cock(FLR-CHR-5043N Jaquar make)		10	Each	2288.50	22,885.00
9	15mm dia CP ANGULAR STOP COCK WITH WALL FLANGE (FLR-MCH-5053N Jaquar Make)		12	Each	1255.00	15,060.00
10	20mm dia CP CONCEALED STOP COCK EXT HVY WTH WITH FLANGE(FLR-MCH-5083N Jaquar) Make		12	Each	1501.10	18,013.20
11	32mm dia CP Bottle trap (Jaquar make)-ALD -CHR-769L -300x190cm		12	Each	1747.20	20,966.40
12	Auto closing concealed urinal flush valve(Jaquar make)-PRS-CHR-077		12	Each	2288.50	27,462.00
13	URINAL PARTITION ST.450mm(JSE-CHR-810US450X)		5	Each	4774.00	23,870.00
14	15 mm dia CP pillar cock auto closing system(Jaquar)-PRS-CHR-031		12	Each	2214.70	26,576.40

15	Soap Dispenser with glass bottle(ACN-CHR-1135N)		8	Each	1328.80	10,630.40
16	CP soap Dish holder (Jaquar make)-AKP -ABR-35731P		8	Each	1698.00	13,584.00
17	Towel Ring Round - (As Per Jaquar,Cat no.:ACN-CHR-1121BN)		8	Each	935.10	7,480.80
18	600mm long CP towel rail(Jaquar)-ACN-IVY-1111NM		11	Each	1378.10	15,159.10
19	25mm dia brass or gun metal fullway valve (Shakti Make)		10	Each	944.60	9,446.00
20	32mm dia brass or gun metal fullway valve (Shakti Make)		10	Each	1383.40	13,834.00
21	50mm dia brass or gun metal fullway valve (Shakti Make)		10	Each	2579.00	25,790.00
22	15mm dia CP flange		15	Each	40.30	604.50
23	15mm dia CP extension piece		15	Each	59.30	889.50
24	C.P. Waste 1 1/4"		6	Each	104.30	625.80
25	Supplying all materials, labour, T&P and fitting and fixing CP shower with 15mm or 20mm inlet with CP shower arm including polishing all complete as per specification and direction of the Engineer in charge.15mm dia CP revolving shower With shower arm(Jaquar)OHS-CHR-1985+SHA-CHR-477		3	Each	1722.60	5,167.80
26	Supplying all materials, labour, T&P and fitting and fixing 10 litres capacity low level flushing cistern with a pair of cast iron or M.S brackets complete with fittings such as siphonic arrangements 15mm nominal size brass/pvc ball valve with polythene float CP brass handle, unions and couplings for connection with inlet, outlet and overflow pipes,32mm dia CP flush bend,15mm dia pvc inlet connection pipe including cutting holes and making good the same and connecting the flush bend with cistern and closet and connecting the inlet pipe with supply main etc all complete as per specification and direction of the Engineer in charge 10 litres capacity pvc low level cistern with 32mm dia CP long flush bend Slimline white (Hindware / Parryware Make)		11	Each	1651.60	18,167.60
27	Supplying all materials, labour, T&P and fitting and fixing U-PVC SWR soil waste ventilating pipes and fittings of the following outside diameter conforming to ISI No. 13592/1992 to walls with nails, bobbins and wooden plugs or laying in trenches including jointing with supply of approved rubber lubricant by non-heat application method/as per manufacturer's specification, testing, earthwork in excavation in all kinds of soil and refilling of trenches as per specification and direction of the Engineer in charge					
28	110mm U-PVC door tee		18	Each	386.00	6,948.00
29	110mm U-PVC Plain tee		18	Each	322.70	5,808.60
30	110mm U-PVC door bend		20	Each	293.60	5,872.00
31	110mm U-PVC plain bend		21	Each	232.00	4,872.00
32	110mm dia U-PVC 'P' trap		11	Each	497.30	5,470.30
33	110mm dia U-PVC Plain Shoe Bend		19	Each	232.00	4,408.00

34	110mm dia U-PVC offset with out ear		22	Each	407.40	8,962.80
35	110mm dia U-PVC cowl		11	Each	58.20	640.20
36	125mm dia CP grating		23	Each	94.40	2,171.20
37	Grab bar 300MM (Jaquar make)AHS-CHR-1501		11	Each	1353.40	14,887.40
38	Supplying all materials, labour, T&P and cutting holes through existing brick or laterite masonry wall for taking HCl pipes and fittings including making good the damages etc. all complete as per PH specification and direction of the Engineer in charge. 250mm to 375mm thick wall		10	Each	257.30	2,573.00
39	Supplying all materials, labour, T&P and cutting of R.C.C roof or cornice for taking H.C.I pipes and making good the damages etc. all complete as per P.H. Specification and direction of the Engineer in charge.		8	Each	213.10	1,704.80
40	Supplying all materials, labour, T&P and fixing the following vitreous china Wash Down Water Closet (European type W.C pan) with integral 'P' or 'S' trap to the floor with wooden plug and chromium plated pedestal screws including jointing the trap with soil pipe in cement mortar (1:1), fixing plastic seat and cover for wash down water closet with chromium plated brass hinges and rubber buffers including polishing etc. all complete as per specification and direction of the Engineer in charge. European water closet with 'S' trap plain (Hindware)No.20079		11	Each	3313.60	36,449.60
41	Supplying all materials, labour, T&P and fixing bowl pattern urinal conforming to IS:771-part-3-1985 of the following sizes including connecting the urinal with 32mm dia pvc waste pipe 910mm long by means of white lead mixed with chopped hemp, fixing 32mm dia CP dome waste, 15mm dia CP spreader including cutting holes in walls and making good the damages with supply of wooden plugs, screws and cement etc all complete as per specification and direction of the Engineer in charge. Half stall urinal (Parryware / Hindware make)		6	Each	3450.60	20,703.60
42	15mm dia urinal spreader		6	Each	286.60	1,719.60
43	32mm dia C.P. dome waste		6	Each	128.50	771.00
44	Supplying all materials, labour, T&P and fixing wash basins with hole for pillar taps with cast iron or M S brackets painted white including cutting holes in walls and making good the damages with supply of wooden plugs, screws and cement etc, fixing pedestal for wash basin recessed at the back for the reception of pipes and fittings, fixing PVC waste pipe of 32mm nominal diameter for wash basin including brass check nut complete, fixing pillar taps capstan head screw down high pressure lettered 'Hot' and 'Cold' with long screws, shanks and back nuts of 15mm dia nominal bore, fixing 15mm dia PVC inlet connection pipe and making connection with pillar cocks and supply mains for wash basin, fixing 32mm dia CP brass waste, etc all complete as per specification and direction of the Engineer in charge. Under counter basin(Hindware)10095 LARA		9	Each	6546.50	58,918.50
45	Supplying all materials, labour, T&P and fixing mirror of superior glass mounted on 6mm thick A.C sheet or plywood sheet and fixed to wooden plugs with CP screws and washers complete as per specification an		12	Each	1662.70	19,952.40

	direction of the Engineer in charge. Design mirror					
46	Supplying all materials, labour, T&P and fixing CP soap holder complete with CP brass brackets fixed to wooden plugs with CP screws as per specification and direction of the Engineer in charge CP soap holder		12	Each	214.60	2,575.20
					TOTAL	6,70,257.50
I	E.I. estimate for both internal works ADMIN BLOCK & TOILET					
SI NO	DESCRIPTION					
	Wiring					
1	Recessed wiring to light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor of ISI marked Make-Finolex/Anchor/Polycab/HAVELLS/RR KABLE/KEI with 20 mm dia HMS FRLS PVC conduit ISI marked Make- AKG/BEC/Precision/Norpak/Anchor/Kinjal 6A modular type (flame retradant type) switch ISI marked Make-Schneider(Zencelo)/legrand(Myrius) /Panasonic (vision) and ceiling rose ISI marked of modular type G.I box with metallic cover plate (both side) (flame retradant type) Make- Schneider(Zencelo)/legrand(Myrius) /Panasonic (vision) of suitable size, modular box with 1.5 sq. Mm FRLS PVC insulated single core multistandard copper conductor as earth wire including all accessories and connection as per direction of Engineer -in -Charge. . All the switches & sockets should be warrantied for a replacement period of 2 years against defects with necessary test report & Warranty certificate to be submitted to the department for genuinity of product & to avail free after sales service within warranty period for acceptance of materials.					
a	Group A		15	NOS	611.00	9,165.00
b	Group B		15	NOS	903.00	13,545.00
c	Group C		30	NOS	1275.00	38,250.00
2	Supply and fixing of ISI marked modular type 2nos 6Amp socket with switch on suitable size of metal box and modular cover in front on surface or recess including all connection as per direction of E.I.C. All the switches & sockets should be warrantied for a replacement period of 2 years against defects with necessary test report & Warranty certificate to be submitted to the department for genuinity of product & to avail free after sales service within warranty period for acceptance of materials. (Make :Legrand(Myrius)/Schnider(Zencelo)//PANASONIC(VISION)		10	NOS	937.00	9,370.00

3	Supply and fixing of modular metal box on surface or recess with suitable size of modular cover in front including providing an fixing of ISI marked 16Amp modular plug with switch with all connection. on surface or recess including all connection as per direction of E.I.C. All the switches & sockets should be warranted for a replacement period of 2 years against defects with necessary test report & Warranty certificate to be submitted to the department for genuinity of product & to avail free after sales service within warranty period for acceptance of materials. (Make :Legrand(Myrius)/Schnider(Zencelo)//PANASONIC(VISION))		7	NOS	683.00	4,781.00
4	Supply& fixing of Modular type 6 Amp one way switch and 6 A socket outlet with metal box and modular cover Separate Board on surface or recess including all connection as per special conditions of contract making good the damages caused complete as per the direction of Engineer-in-charge. All the switches & sockets should be warranted for a replacement period of 2 years against defects with necessary test report & Warranty certificate to be submitted to the department for genuinity of product & to avail free after sales service within warranty period for acceptance of materials. (Make :Legrand(Myrius)/Schnider(Zencelo)//PANASONIC(VISION))		10	NOS	547.00	5,470.00
5	Submains: Recessed wiring for circuit/submain wiring with the following mentioned size PVC FRLS insulated, copper conductor, single core cable Make-Finolex/Anchor/Polycab/HAVELLS/RR KABLE/KEI in recessed HMS FRLS PVC conduit of mentioned size Make-AKG/BEC/Precision/Norpak/Anchor/Kinjal as required as per direction of Engg.-in-Charge.					
a	2 x 1.5 sq.mm. + 1 x 1.5 sq.mm.		200	MTR	157.00	31,400.00
b	2 x 2.5 sq.mm. + 1 x 1.5 sq.mm.		250	MTR	171.00	42,750.00
c	2 x 4.0 sq.mm. + 1 x 1.5 sq.mm.		150	MTR	188.00	28,200.00
d	4 x 6.0 sq.mm. + 2 x 4 sq.mm.		160	MTR	317.00	50,720.00
6	Supplying and fixing of following sizes of medium class PVC FRLS conduit ISI marked along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required as per direction of Engg.-in-Charge . Make-AKG/ BEC/ Precision/ Norpak					
A	20 MM		25	Mtr	122.00	3,050.00
B	25 MM		35	Mtr	124.00	4,340.00

7	Supplying and fixing of following mentioned way, three pole/single pole and neutral, sheet steel,double door MCB distribution board, 415 volts/240 volts shall be as per IEC 61439-3,integrated door earthing system offering additional safety to the user,High quality polyurethane Gasket,the box and cover shall be fabricated to withstand IK09,the DB should be properly pre-treated with 7 tank process and duly powder coated, phosphatized with powder coated finish, on surface/recess, complete with terminal blocks,with suitable size FR PVC insulated copper conductor up to terminal blocks, tinned copper busbar, neutral busbar, earth bar, din bar. Make-LEGRAND-Ekinox3 DB/ Siemens-Betaguard/ Schneider- Acti 9 as per direction of Engg.-in-Charge. The Distribution boards should be Replacement Warranty will be 3 years.					
a	4 Way(8+12) Way TPN MCB DD DB Horizontal Type as per IEC 61439-3 suitable for Flush mounting and Surface mounting with 100A Copper Bus Bar for each phase, with neutral Bus bar, Earth Bar & Cable ties for cable management, prefitted masking sheet, IP43-IK09 with metal door Warranty on DB is 3 years		2	Nos.	2202.00	4,404.00
b	Supplying and fixing 63 Amps rating, C series,10KA breaking capacity,4P, 415 volts, MCB . Make-LEGRAND-DX3/ Siemens-Betaguard/ Schneider- Acti 9 in the existing MCB DB complete with connections, testing and commissioning etc. as required as per direction of Engg.-in-Charge. .. The MCB should be Replacement Warranty will be 3 years..		2	Nos.	1808.00	3,616.00
E	Supplying and fixing 25 Amps rating,C series,10KA breaking capacity, DP, 240 volts, RCCB 30mA . Make-LEGRAND-DX3/ Siemens-Betaguard/ Schneider- Acti 9 in the existing MCB DB complete with connections, testing and commissioning etc. as required as per direction of Engg.-in-Charge. . The MCB should be Replacement Warranty will be 3 years.		6	Nos.	1693.00	10,158.00
f	Supplying and fixing 6 amps to 32 amps rating, 240 volts, C series,10KA breaking capacity, single poles MCB of Make-LEGRAND-DX3/ Siemens-Betaguard/ Schneider- Acti 9 . the existing MCB DB complete with connections as per direction of Engg.-in-Charge. .Warranty on MCB is 3 years.		24	Nos.	142.00	3,408.00
10	Fittings & Fixtures					
	Supply of 20 watt Surface mounted indoor type BATTERN LED Luminaire with LED GLARE FREE opal diffuser , IP20 Efficiency 120-130lm/w Lamp complete assembly With supply of required T&P and making connection from the suitable point outlet as per the Direction of Engineer-In-Charge		20	NOS	1250.99	25,019.80
A	Supply of 30 watt Surface SUSPENDED mounted indoor type LED LINEAR PROFILE Luminaire with LED GLARE FREE opal diffuser , IP20 Efficiency 120-130lm/w Lamp complete assembly With supply of required T&P and making connection from the suitable point outlet as per the Direction of Engineer-In-Charge .		5	Nos.	6500.00	32,500.00
B	SITC of Sleek LED 10 watt mirror light fitting with decorative aluminium LED batten having extruded polycarbonate housing,High optically efficient diffuser, above wash basin complete with all accessoriesetc. directly on wall, including connection with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required.		11	Nos.	1633.00	17,963.00

	panasonic/havells/LT/Bajaj/Phillips/Crompton/Wipro					
C	Supply ,Installation and testing of Surface mounted indoor type 20 WATTLED Luminaire with LED GLARE FREE opal diffuser , IP20 Efficiency 120-130lm/w & Functioning as per Product TDS complete assembly With supply of required T&P and making connection from the suitable point outlet as per the Direction of Engineer-In-Charge.MAKE: PANASONIC/PHILIPS/HALONIX/CROMPTON/WIPRO /HAVELLS/LT		2	NOS	781.00	1,562.00
D	Supply of 15 watt Extruded aluminium housing type WALL LIGHT Luminaire with LED glass diffuser in screen protection , IP65 high Efficiency 120-130lm/w Lamp complete assembly With supply of required T&P and making connection from the suitable point outlet as per the Direction of Engineer-In-Charge .		2	NOS	4500.00	9,000.00
F	Supplying, installation, of exhaust fan of heavy duty 300 mm sweep 1400 rpm 1700 cmh air delivery with louvers of exhaust fan in the existing wall, including fixing & connection complete etc.as required and as per the direction of E.I.C..(Make-USHA (Model.Turbo HDEF 1400 RPM ISI)/Eq. model of /Havells/ ALmonrad/ Crompton		11	NOS	2406.00	26,466.00
G	S/F of 48" Ceiling fan Alluminium Body, Copper winding, High speed ceiling fan (Make-Crompton Model-Jura, Polycab Model-Vital, Polar Model-Winpro) etc.		4	NOS	2619.13	10,476.52
H	Supplying and fixing of Stepped type modular fan regulator on existing switch box / cover including connections etc as required.		4	NOS	304.00	1,216.00
8	MAIN PANEL: Incomer:63 A 4P MCCB (36 KA) with adjustable thermal setting Ics = 100% of Icu Bus bar: 4 nos. 125 A CU Busbar duly sleeved Instruments: 1 set.LED type phase indicating lamps with control fuses Outgoing : 3 Nos 63A 4P MCB. (10KA) ,3 NOS 63 DP MCB 10 KA , Instruments: 1 set.LED type phase indicating lamps with control fuses ,Instruments: 1 set.LED type phase indicating lamps with control fuses ,1 no 160/5A CT operated Digital ammeter,1nos Basic multifunction meter SPD 4 Pole 50 KA type (1+11) Complete duly factory wired as per SLD and panel should have proper earth by suitable rated Aluminium flat earthing studs as per specification mentioned below duly factory wired conforming to the relevant ISS and as per special conditions of contract making good the damages caused complete as per the direction of Engineer-in-charge..MAKE - LEGRAND-DPX3 / Siemens-3VA Model/ Schneider- CVS Make of MCBs- LEGRAND-DPX3/Siemens-Betaguard-Schneider-Acti-9		1	Set	40636.00	40,636.00
	CABLE					

10	Supplying, laying & testing of following size of PVC insulated XLPE shethed / strip armoured aluminium / Copper conductor power cables of 1100 volt grade laid directly unground with sand cushioning, brick protection, clamped on surface of the walss / columns / existing RCC / inside masonry cable trenches / on the cable tray /through G.I Pipes / hume pipes / PVC pipes as the case may be, including cost of shaddles/ clamps/ markers etc but excluding the cost of G.I. Pipes / Hume pipes cpmplete with making good to the damages as required and as per direction of Engineer-in-charge. MAKE: FINOLEX/ KEI/ POLYCAB/HAVELLS/RR CABLE			CHEC K		
B	3.5 core x 25 sq mm Aluminium armoured Cable.(FOR MAIN PANEL)		50	Mtr.	419.00	20,950.00
11	Laying of one number of PVC insulated and PVC seathed / XLPE power cable of 1.1 KV grade of size exceeding 25 sq.mm but not exceeding 120 sq.mm direct in ground in the same trench in one tier horizontal formation including excavation , sand cushining protective covering and refilling the trench etc. as required.		40	Mtr.	122.00	4,880.00
12	Supplying and making end termination with brass double compression gland and aluminium lugs for following mentioned size cable.					
A	3.5 core x 50 sq mm brass double compression gland and aluminium lugs		1	Nos	461.00	461.00
12	Supplying,installation,testing & commissioning Of Earthing with copper earth plate 600 mm x 600mm x 3.15 mm thick ISI marked including accessories and providing masonary with cover plate having loccking arrangement and watering pipe etc as required as per direction of Engg.-in-Charge. The entire earthing system should be Replacement Warranty will be 2 years		2	Nos.	5113.00	10,226.00
13	Extra for using salt and charcoal for G.I or copper plate earth as required		2	NOS	682.00	1,364.00
14	Providing and fixing 25 mm X 5 mm GI strip on surface or in recess for connections etc. as required.		30	Mtr	77.00	2,310.00
15	Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required.		25	MTR	505.00	12,625.00
16	Supplying of following Materials.					
a)	Supply installation of 33kV 3mm thick Class-C Rubber Mat as per IS-15652 and complete as per direction of Eng-in-charge.(Size-10mx1m)		6	Sqmtr.	822.00	4,932.00
b)	Danger Board.		1	Set	176.96	176.96
C	Supply and fixing of first aid box with medicines complete with medicine with three years expiry date to be fixed in Electrical control panel room..		1	set	1500.00	1,500.00
D	Supply and fixing of shock treatement charts duly laminated along with separate colour single line diagram laminated, to be fixed in Electrical control panel room.		1	sets	760.00	760.00
					TOTAL	4,87,651.28

J	NON SCHEDULE ITEMS					
1	ESTIMATE FOR LANDSCAPE & GARDEN DEVELOPMENT WORK					
Sl.No.	Description					
A	Land preparation					
	Site Preparation Uprooting rank vegetation and weeds by digging the area to a depth of 300 mm removing all weeds and other growth with roots by forking repeatedly ,breaking colds,rough dressing,flooding with water,uprooting fresh growth after 2 to 4 days and then dressing ,including disposal of all rubbish with all lead and lifts		1200	Sqm	85.00	1,02,000.00
B	Supply of Soil					-
	Supply and filling of good garden soil: Supply and filling of good garden soil i.e. top soil with good texture, good humus content and free from weed propagules, doob, mutha, pebbles etc., in a place as instructed by Engineer-in-Charge including transportation cost, cost of men, material, tools, tackles all complete.		400	Cum	600.00	2,40,000.00
C	Lawn					-
	Supplying & Turfing including transportation BroadleafGrass grass.Digging and pulverizing of soil up to a depth of 30 cm including removal of weeds, debris and disposal of waste outside the periphery of area meant for lawn making, initial grading and levelling , spreading and mixing of manures, fertilizers, organic meals and antitermite chemicals etc. in pulverized soil, dressing, levelling, landscaping the area with proper slope and making the area suitable for grassing work .		1200	Sqm	240.00	2,88,000.00
D	Supply of Manure					-
	Supply of Vermi Compost of 25 kg Bags		200	Bags	750.00	1,50,000.00
	Neem Cake 25 kg Bags		40	Bags	2500.00	1,00,000.00
	Mustard Cake 25 kg Bags		40	Bags	2500.00	1,00,000.00
E	Planting Preparation					-
	Planting of Trees					-
	Digging holes of size 3' x 3' x 3' and refilling the same with sweet earth mixed with manure 2 : 1 by volume flooding with water, dressing including removal of rubbish and surplus earth if any with all leads and lifts; holes 1.2m dia., 1.2m deep. Excluding cost of earth and manure.		250	Nos	150.00	37,500.00
	Planting of Palms & Cycads					-
	Digging holes of size 3' x 3' x 3' and refilling the same with sweet earth mixed with manure 4 : 1 by volume , flooding with water, dressing including removal of rubbish and surplus earth if any with all leads and lifts: '. Excluding cost of earth and manure.		50	Nos	150.00	7,500.00

	Planting of Shrubs					-
	Digging holes of size 3' x 3' x 3' and refilling the same with sweet earth mixed with manure 4 : 1 by volume , flooding with water, dressing including removal of rubbish and surplus earth if any with all leads and lifts: '. Excluding cost of earth and manure.		100	Nos	85.00	8,500.00
	Planting of Hedges & Ground Covers					-
	Prparing planting beds for ground cover planting by excavating and refilling the same with sweet earth mixed with manure 8 : 1 by volume , flooding with water, dressing including removal of rubbish and surplus earth if any with all leads and lifts: 0.3m deep. Excluding cost of earth and manure.		2000	Nos	10.00	20,000.00
F	Supply of Trees		250	Nos	750.00	1,87,500.00
G	Supply of Palms		50	Nos	1200.00	60,000.00
H	Supply of Ornamental Shrubs		100	Nos	450.00	45,000.00
I	Supply of Hedges & Ground Covers		2000	Nos	90.00	1,80,000.00
					TOTAL	15,26,000.00
	STEEL STRUCTURE					
K	ADMIN BLOCK					
1	Design Providing, fabricating and erecting Structural steel members/sections in position at all levels and at all heights as specified in the drawings made out of standard MS sections conforming to IS 2062/1161/4923/12778/800. Cost to include fabricating necessary Anchor Bolts, Gusset Plates, Stiffener plates, Brackets, Bolts, Cleats, seating angles, Insert plates, chequered plate of specified thickness etc., to the required size, shape, alignment etc, as per the drawings. Cost to include welding of members using structural steel welding electrodes as per IS 814/816/817, a coat of anti corrosive Steel Guard coat primer (non flammable) to the exposed surfaces, testing as per IS 7307 (PART 1), necessary equipment, tools and tackles, staging, scaffolding required etc.,complete. Rate shall include preparation of surface, applying two coats of Zinc chromate/Phosphate primer before and after erection and two coats of first quality synthetic enamel paint of approved make of Specified Colour,after erection, sand blasting etc. complete, as directed. Rate also includes for Turn buckle (tension rod) as per the detailed drawings-Complete. (Scope shall also included detailed design of structural member connections, Preparation of GA drawings and Shop drawings, submission of all these		1281	KG	220.50	2,82,460.50
	ROOFING					
1	Providing and fixing Singles on 12mm thick with GI tile profile roofing The panels shall be fixed to the steel frame structure with minimum 5 mm thick self tapping GI screws of required length and nos. with minimum spacing of 300 mm c/cassembly/ the cost shall include ridge, soffit junctions & flashings as specified puff panel		40	SQM	1200.00	48,000.00

	makers. Cost to include Approved Color As per Architect / consultant Requirement.					
					TOTAL	3,30,460.50
L	CUBICAL TOILET					
1	<p>Toilet Cubical</p> <p>Providing and fixing Toilet cubical made up of thermosetting resin treated high pressure ,self supporting decorative compact laminates with permanently incorporate anti-bacterial agents during manufacturing .Compact board should be resistance to water immersion through permissible increase on thickness and mass 1.35kg/cm³ and fulfilled the criteria of FSC and green guard gold certification and manufactured under EN438-2&3:2005 standard. 12mm thick compact board should be Moisture resistant, Impact resistant, termite resistant ,Scratch resistant ,Weather and climatic shock resistant. Finish of compact laminates should be suede finish which includes door, pilasters and intermediate panels finished with approved texture/shades as per IS2046 and fulfilled the criteria of fire retardant under BS-476/97 and EN438-6 th classification of BS1D0 standard. Pilaster to be supported with SS(grade316) adjustable foot and intermediate panels will attached to the wall with the help of approved SS(grade316) channels and all required hardware, made up of stainless steel as per manufacturer's specification.. Door knob, gravity hinges, Thumb turn locksets with occupancy indicators, coat hooks with door stopper, U channel, top rail with corner connector, adjustable foot/pedestal, Rubber noise deafening tape, screw & wall plugs should be approved under the instruction of Engineer in charge. The top fitting should consist of SS. All screw will of 304 grade in SS with stain finish. All pilasters are supported by SS bottom cladding. The base of the stainless steel bottom cladding will be anchored to the floor with a clearance height upto 150 mm. Finish and colour of Toilet cubical should be approved under guidance of engineer-in-charge. Toilet cubical with standard dimension of 2100 mm(H) x 1000mm(W) x 1500mm (Depth), which includes 600mm door size width or as per drawing. Or Toilet cubical I- shape (front partition) with standard dimension of 2025mm(H) x 1000mm (W) which includes door size width or as per drawing.</p>		9	NOS	37000.00	3,33,000.00
2	<p>Providing & fixing Urinal Modesty Panels made of 12 mm thick compact laminated board of approved texture/shade having standard dimension of 1200 mm Height x 450 mm Width and made as per IS 2046 (Indian Standard) and as per fire retardant BS-476/97 standard and should be heat, bacteria, water, chemical, scratch and impact resistant . The product should have Green Guard Certificate. Including all accessories as per approval and direction of Engineer-in-Charge .Modesty panels will be fixed to the wall at an height of 500-600mm from the floor with 304 grade SS right angle bracket, 34 grade SS Screws with satin finish & Wall Plugs. The work includes all accessories, machineries, tools etc.,</p>		5	NOS	6000.00	30,000.00

	complete as per direction of Engineer-in- charge.					
					TOTAL	3,63,000.00
M	OVER HEAD TANK					
1	Design Providing, fabricating and erecting Structural steel members/sections in position at all levels and at all heights as specified in the drawings made out of standard MS sections conforming to IS 2062/1161/4923/12778/800. Cost to include fabricating necessary Anchor Bolts, Gusset Plates, Stiffener plates, Brackets, Bolts, Cleats, seating angles, Insert plates , chequered plate of specified thickness etc., to the required size, shape, alignment etc, as per the drawings. Cost to include welding of members using structural steel welding electrodes as per IS 814/816/817, a coat of anti corrosive Steel Guard coat primer (non flammable) to the exposed surfaces, testing as per IS 7307 (PART 1), necessary equipment, tools and tackles, staging, scaffolding required etc.,complete. Rate shall include preparation of surface, applying two coats of Zinc chromate/Phosphate primer before and after erection and two coats of first quality synthetic enamel paint of approved make of Specified Colour, after erection, sand blasting etc. complete, as directed. Rate also includes for Turn buckle (tension rod) as per the detailed drawings-Complete. (Scope shall also included detailed design of structural member connections, Preparation of GA drawings and Shop drawings, submission of all these		345.6	KG	220.50	76,204.80
					TOTAL	76,204.80
N	PICNIC SPOT -1					
1	Design Providing, fabricating and erecting Structural steel members/sections in position at all levels and at all heights as specified in the drawings made out of standard MS sections conforming to IS 2062/1161/4923/12778/800. Cost to include fabricating necessary Anchor Bolts, Gusset Plates, Stiffener plates, Brackets, Bolts, Cleats, seating angles, Insert plates , chequered plate of specified thickness etc., to the required size, shape, alignment etc, as per the drawings. Cost to include welding of members using structural steel welding electrodes as per IS 814/816/817, a coat of anti corrosive Steel Guard coat primer (non flammable) to the exposed surfaces, testing as per IS 7307 (PART 1), necessary equipments, tools and tackles, staging, scaffolding required etc.,complete.Rate shall include preparation of surface, applying two coats of Zinc chromate/Phosphate primer before and after erection and two coats of first quality synthetic enamel paint of approved make of Specified Colour, after erection, sand blasting etc. complete, as directed. Rate also		4517.10	KG	220.50	9,96,020.55

	includes for Turn buckle (tension rod) as per the detailed drawings-Complete. (Scope shall also included detailed design of structural member connections, Preparation of GA drawings and Shop drawings, submission of all these					
	ROOFING					
2	Providing and fixing Singles on 0.50 mm thick GI tile profile roofing The panels shall be fixed to the steel frame structure with minimum 5 mm thick self tapping GI screws of required length and nos. with minimum spacing of 300 mm c/cassembly/ the cost shall include ridge, soffit junctions & flashings as specified puff panel makers.Cost to include Approved Color As per Architect / consultant Requirement.		197.10	SQMT R	1200.00	2,36,520.00
					TOTAL	12,32,540.55
O	PICNIC SPOT -2					
1	Design Providing, fabricating and erecting Structural steel members/sections in position at all levels and at all heights as specified in the drawings made out of standard MS sections conforming to IS 2062/1161/4923/12778/800. Cost to include fabricating necessary Anchor Bolts, Gusset Plates, Stiffener plates, Brackets, Bolts, Cleats, seating angles, Insert plates , chequered plate of specified thickness etc., to the required size, shape, alignment etc, as per the drawings. Cost to include welding of members using structural steel welding electrodes as per IS 814/816/817, a coat of anti corrosive Steel Guard coat primer (non flammable) to the exposed surfaces, testing as per IS 7307 (PART 1), necessary equipment, tools and tackles, staging, scaffolding required etc.,complete.Rate shall include preparation of surface, applying two coats of Zinc chromate/Phosphate primer before and after erection and two coats of first quality synthetic enamel paint of approved make of Specified Colour,after erection, sand blasting etc. complete, as directed. Rate also includes for Turn buckle (tension rod) as per the detailed drawings-Complete. (Scope shall also included detailed design of structural member connections, Preparation of GA drawings and Shop drawings, submission of all these		5535.36	KG	220.50	12,20,546.88
	Roofing					
2	Providing and fixing Singles on 12mm thick Fibre Cement Board. The panels shall be fixed to the steel frame structure with minimum 5 mm thick self tapping GI screws of required length and nos. with minimum spacing of 300 mm c/cassembly/ the cost shall include ridge, soffit junctions & flashings as specified puff panel makers. Cost to include Approved Color As per Architect / consultant Requirement.		154	SQM	1200.00	1,84,800.00
					TOTAL	14,05,346.88
P	MAIN GATE					

1	Design Providing, fabricating and erecting Structural steel members/sections in position at all levels and at all heights as specified in the drawings made out of standard MS sections conforming to IS 2062/1161/4923/12778/800. Cost to include fabricating necessary Anchor Bolts, Gusset Plates, Stiffener plates, Brackets, Bolts, Cleats, seating angles, Insert plates , chequered plate of specified thickness etc., to the required size, shape, alignment etc, as per the drawings. Cost to include welding of members using structural steel welding electrodes as per IS 814/816/817, a coat of anti corrosive Steel Guard coat primer (non flammable) to the exposed surfaces, testing as per IS 7307 (PART 1), necessary equipments, tools and tackles, staging, scaffolding required etc.,complete.Rate shall include preparation of surface, applying two coats of Zinc chromate/Phosphate primer before and after erection and two coats of first quality synthetic enamel paint of approved make of Specified Colour,after erection, sand blasting etc. complete, as directed. Rate also includes for Turn buckle (tension rod) as per the detailed drawings-Complete. (Scope shall also included detailed design of structural member connections, Preparation of GA drawings and Shop drawings, submission of all these		1284.12	KG	220.50	2,83,148.46
					TOTAL	2,83,148.46
Q	VENDING ZONE					
1	Design Providing, fabricating and erecting Structural steel members/sections in position at all levels and at all heights as specified in the drawings made out of standard MS sections conforming to IS 2062/1161/4923/12778/800. Cost to include fabricating necessary Anchor Bolts, Gusset Plates, Stiffener plates, Brackets, Bolts, Cleats, seating angles, Insert plates , chequered plate of specified thickness etc., to the required size, shape, alignment etc, as per the drawings. Cost to include welding of members using structural steel welding electrodes as per IS 814/816/817, a coat of anti corrosive Steel Guard coat primer (non flammable) to the exposed surfaces, testing as per IS 7307 (PART 1), necessary equipment, tools and tackles, staging, scaffolding required etc., complete.Rate shall include preparation of surface, applying two coats of Zinc chromate/Phosphate primer before and after erection and two coats of first quality synthetic enamel paint of approved make of Specified Colour,after erection, sand blasting etc. complete, as directed. Rate also includes for Turn buckle (tension rod) as per the detailed drawings-Complete. (Scope shall also included detailed design of structural member connections, Preparation of GA drawings and Shop drawings, submission of all these		396.90	KG	220.50	87,516.45
	Roofing					
2	Providing and fixing Singles on 0.50 mm thick GI tile profile roofing The panels shall be fixed to the steel frame structure with minimum 5 mm thick self tapping GI screws of required length and nos. with minimum spacing of 300 mm c/cassembly/ the cost shall include ridge, soffit junctions & flashings as specified puff panel makers.Cost to include Approved Color As per Architect / consultant Requirement.		25.20	SQM	1200.00	30,240.00

					TOTAL	1,17,756.45
R	TOILET BLOCK					
1	Design Providing, fabricating and erecting Structural steel members/sections in position at all levels and at all heights as specified in the drawings made out of standard MS sections conforming to IS 2062/1161/4923/12778/800. Cost to include fabricating necessary Anchor Bolts, Gusset Plates, Stiffener plates, Brackets, Bolts, Cleats, seating angles, Insert plates, chequered plate of specified thickness etc., to the required size, shape, alignment etc, as per the drawings. Cost to include welding of members using structural steel welding electrodes as per IS 814/816/817, a coat of anti corrosive Steel Guard coat primer (non flammable) to the exposed surfaces, testing as per IS 7307 (PART 1), necessary equipment, tools and tackles, staging, scaffolding required etc.,complete. Rate shall include preparation of surface, applying two coats of Zinc chromate/Phosphate primer before and after erection and two coats of first quality synthetic enamel paint of approved make of Specified Colour,after erection, sand blasting etc. complete, as directed. Rate also includes for Turn buckle (tension rod) as per the detailed drawings-Complete. (Scope shall also included detailed design of structural member connections, Preparation of GA drawings and Shop drawings, submission of all these		2692.8	KG	220.50	5,93,762.40
	Roofing					
2	Providing and fixing Singles on 0.50 mm thick GI tile profile roofing The panels shall be fixed to the steel frame structure with minimum 5 mm thick self tapping GI screws of required length and nos. with minimum spacing of 300 mm c/cassembly/ the cost shall include ridge, soffit junctions & flashings as specified puff panel makers.Cost to include Approved Color As per Architect / consultant Requirement.		75	SQM	1200.00	90,000.00
					TOTAL	6,83,762.40
	BAMBOO WORK					
S	ADMIN BLOCK CLADDING					
1	Fiber Cement Sandwich Panel- Prefabricated Fibre Cement Sandwich Panels shall be made of two fibre reinforced cement facing boards on either sides of a lightweight concrete core. These fiber cement boards shall be of thickness upto 5 mm and conforms to IS 14862:2000 (Type - A). The core shall composed of Portland cement and a mix of silaceous & micaceous material. These panels shall have unique tongue and Groove locking arrangements for jointing.		103	SQMT	2690.00	2,77,070.00
	• There shall be 2 types of Fibre Cement Sandwich Panels, which will be used depending upon the finish required and type of application of wall, namely Recess Edge (RE - 1 mm x 30 mm recess area along the height on tongue & groove location to accommodate the jointing tape) and Square Edge . It is Certified by CPWD DSR, BMTPC, IGBC and GRIHA.					
	• Size - 600 mm x 2400/2700/3000 mm x 75 mm (W X H X T)					
	• Recyclable material such as Fly Ash as a raw material is used in panel manufacturing makes the					

	product Eco Friendly & Green Building Material.					
	<ul style="list-style-type: none"> • Panels are having excellent fire, water and termite resistance properties. Panels can withstand adverse weather conditions. 					
2	<p>Bamboo Matboard- Bamboo mat board is made of two or more bamboo mats bonded with an adhesive. The mat used is made by weaving thin, uniform strips of bamboo, In the present scenario, where availability of conventional timber has been reduced to considerable extent, the bamboo mat board is expected to find extensive use in future A board made of two or more bamboo mats bonded with an adhesive. Adhesive for bonding bamboo mat board shall be of phenolic type conforming to BWR type specified in IS 818: 1974. Adhesive coated mats shall be allowed sufficient length of open assembly time and/or passed through a band dryer at elevated temperature in the range of 80°C to 90°C to bring down the moisture content of adhesive coated mats to 8 to 12percent. After hot pressing the finished bamboo mat board shall be conditioned to a moisture content not less than 5 percent and not more than 15 percent. For bamboo mat board manufactured by applying the resin by passing the mats through mechanical glue spreader, the manufactured boards shall be treated with non-leachable type preservatives such as Copper-Chrome Arsenic (CCA), Copper-Chrome-Boron (CeO) or Acid-Copper-Chrome (ACe) as per 5.2.2.3 of IS 5539 : 1969. For bamboo mat board manufactured by applying the resin by soaking method, preservative treatment shall be done by incorporating the preservatives like boron (octaborate or tetraborate) into the resin before soaking the mats. The preservative becomes non-leachable during hot pressing.</p>		21.48	SQMT	3770.00	80,979.60
3	<p>Whole Bamboo- Bamboo treatment with Borax and Boric Acid. Borax or sodium borate is a soft, colorless, powdery mineral that dissolves easily in water. It is a natural insect repellent and preservative. Treated bamboo is incredibly versatile, finding uses in construction, furniture, textiles, and even food and medicine. It's often treated to enhance its durability and resistance to insects and decay, making it suitable for a wide range of applications.</p>		35.8	RMT	180.00	6,444.00
4	<p>Rubber Shingles - Rubber shingles, offer a durable and environmentally friendly roofing option. They are known for their impact resistance (especially Class 4 rating), long lifespan, and ability to withstand extreme temperatures and high winds. Roofing shingles are a construction material for residential roofing application that is used on roof slopes of 12° or greater. It is the smartest solution for a complex or intricate roof design. Bitumen shingles do not fade; they are resistant to harmful environmental impacts, decay, corrosion, fire damage, and, what is very important, they perform well in extreme temperatures. Roofing shingles by TECHNOMICOL fully comply with EN 544. This European standard for bitumen shingles is known for its strict requirements for the minimum mass of bitumen in products (1300 g/m2 – for single-layer roofing shingles and 1500 g/m2 – for multilayer ones). Our commitment to quality control, best raw materials and up-to-date technology guarantees years of superior performance to customers. Algae resistance for 10 years officially guaranteed for some collections. Basalt granules of</p>		21.48	SQMT	4304.00	92,449.92

	diverse shades add depth and dimension to shingles texture to get a statement-making roofing. Thanks to weather resistant mineral surface, the color will not fade over time. Multilayer coating and its specific components make extremely quiet roofing. The noise of rain, wind or hail hitting the roof will not torture you. Enjoy peace and quiet in your house! Roofing shingles weight is just 12.5 kg/m2 (COUNTRY collection) compared with 40 kg/m2 weight of ceramic tiles. It results in the lower load and greater safety.					
5	Cement Board (12mm)- Cement board is a auto clave cellulose fiber cement flat boar and is 100% asbestos free board with a smooth surface and square edges. It is a green board which use fly ash as pozzolonic material with 53 grade OP cement as per IS:12269-1987 and reinforce by fiber cellulose pulp in manufacture of flat sheets. It possess superior thermal insulation properties, thus helps save on air conditioning and heating bills which further reduced the carbon footprints.		103	SQMT	1720.00	1,77,160.00
					TOTAL	6,34,103.52
T	CELLING					
1	Bamboo Mat board- Bamboo mat board is made of two or more bamboo mats bonded with an adhesive. The mat used is made by weaving thin, uniform strips of bamboo, In the present scenario, where availability of conventional timber has been reduced to considerable extent, the bamboo mat board is expected to find extensive use in future A board made of two or more bamboo mats bonded with an adhesive. Adhesive for bonding bamboo mat board shall be of phenolic type conforming to BWR type specified in IS 818: 1974. Adhesive coated mats shall be allowed sufficient length of open assembly time and/or passed through a band dryer at elevated temperature in the range of 80°C to 90°C to bring down the moisture content of adhesive coated mats to 8 to 12percent. After hot pressing the finished bamboo mat board shall be conditioned to a moisture content not less than 5 percent and not more than 15 percent. For bamboo mat board manufactured by applying the resin by passing the mats through mechanical glue spreader, the manufactured boards shall be treated with non-leachable type preservatives such as Copper-Chrome Arsenic (CCA), Copper-Chrome-Boron (CeO) or Acid-Copper-Chrome (ACe) as per 5.2.2.3 of IS 5539 : 1969. For bamboo mat board manufactured by applying the resin by soaking method, preservative treatment shall be done by incorporating the preservatives like boron (octaborate or tetraborate) into the resin before soaking the mats. The preservative becomes non-leachable during hot pressing.		40	Sqmt.	3770	150800.00
					TOTAL	1,50,800.00
U	MAIN GATE ROOF					

1	Bamboo Matboard- Bamboo mat board is made of two or more bamboo mats bonded with an adhesive. The mat used is made by weaving thin, uniform strips of bamboo, In the present scenario, where availability of conventional timber has been reduced to considerable extent, the bamboo mat board is expected to find extensive use in future A board made of two or more bamboo mats bonded with an adhesive. Adhesive for bonding bamboo mat board shall be of phenolic type conforming to BWR type specified in IS 818: 1974. Adhesive coated mats shall be allowed sufficient length of open assembly time and/or passed through a band dryer at elevated temperature in the range of 80°C to 90°C to bring down the moisture content of adhesive coated mats to 8 to 12percent. After hot pressing the finished bamboo mat board shall be conditioned to a moisture content not less than 5 percent and not more than 15 percent. For bamboo mat board manufactured by applying the resin by passing the mats through mechanical glue spreader, the manufactured boards shall be treated with non-leachable type preservatives such as Copper-Chrome Arsenic (CCA), Copper-Chrome-Boron (CeO) or Acid-Copper-Chrome (ACe) as per 5.2.2.3 of IS 5539 : 1969. For bamboo mat board manufactured by applying the resin by soaking method, preservative treatment shall be done by incorporating the preservatives like boron (octaborate or tetraborate) into the resin before soaking the mats. The preservative becomes non-leachable during hot pressing.		44.28	SQMT	3770.00	1,66,935.60
2	Whole Bamboo- Bamboo treatment with Borax and Boric Acid. Borax or sodium borate is a soft, colorless, powdery mineral that dissolves easily in water. It is a natural insect repellent and preservative. Treated bamboo is incredibly versatile, finding uses in construction, furniture, textiles, and even food and medicine. It's often treated to enhance its durability and resistance to insects and decay, making it suitable for a wide range of applications.		110.00	RMT	180.00	19,800.00
3	Rubber Shingles - Rubber shingles, offer a durable and environmentally friendly roofing option. They are known for their impact resistance (especially Class 4 rating), long lifespan, and ability to withstand extreme temperatures and high winds. Roofing shingles are a construction material for residential roofing application that is used on roof slopes of 12° or greater. It is the smartest solution for a complex or intricate roof design. Bitumen shingles do not fade; they are resistant to harmful environmental impacts, decay, corrosion, fire damage, and, what is very important, they perform well in extreme temperatures. Roofing shingles by TECHNONICOL fully comply with EN 544. This European standard for bitumen shingles is known for its strict requirements for the minimum mass of bitumen in products (1300 g/m2 – for single-layer roofing shingles and 1500 g/m2 – for multilayer ones). Our commitment to quality control, best raw materials and up-to-date technology guarantees years of superior performance to customers. Algae resistance for 10 years officially guaranteed for some collections. Basalt granules of diverse shades add depth and dimension to shingles texture to get a statement-making roofing. Thanks to weather resistant mineral surface, the color will not fade over time. Multilayer coating and its specific components make extremely quiet roofing. The noise of		44.28	SQMT	4304.00	1,90,581.12

	rain, wind or hail hitting the roof will not torture you. Enjoy peace and quiet in your house! Roofing shingles weight is just 12.5 kg/m2 (COUNTRY collection) compared with 40 kg/m2 weight of ceramic tiles. It results in the lower load and greater safety.					
4	Cement Board (12mm)- Cement board is a auto clave cellulose fiber cement flat boar and is 100% asbestos free board with a smooth surface and square edges. It is a green board which use fly ash as pozzolonic material with 53 grade OP cement as per IS:12269-1987 and reinforce by fiber cellulose pulp in manufacture of flat sheets. It possess superior thermal insulation properties, thus helps save on air conditioning and heating bills which further reduced		44.28	SQMT	1720.00	76,161.60
					TOTAL	4,53,478.32
V	PICNIC SPOT -1					
1	Bamboo Matboard- Bamboo mat board is made of two or more bamboo mats bonded with an adhesive. The mat used is made by weaving thin, uniform strips of bamboo, In the present scenario, where availability of conventional timber has been reduced to considerable extent, the bamboo mat board is expected to find extensive use in future A board made of two or more bamboo mats bonded with an adhesive. Adhesive for bonding bamboo mat board shall be of phenolic type conforming to BWR type specified in IS 818: 1974. Adhesive coated mats shall be allowed sufficient length of open assembly time and/or passed through a band dryer at elevated temperature in the range of 80°C to 90°C to bring down the moisture content of adhesive coated mats to 8 to 12percent. After hot pressing the finished bamboo mat board shall be conditioned to a moisture content not less than 5 percent and not more than 15 percent. For bamboo mat board manufactured by applying the resin by passing the mats through mechanical glue spreader, the manufactured boards shall be treated with non-leachable type preservatives such as Copper-Chrome Arsenic (CCA), Copper-Chrome-Boron (CeO) or Acid-Copper-Chrome (ACe) as per 5.2.2.3 of IS 5539 : 1969. For bamboo mat board manufactured by applying the resin by soaking method, preservative treatment shall be done by incorporating the preservatives like boron (octaborate or tetraborate) into the resin before soaking the mats. The preservative becomes non-leachable during hot pressing.		197.10	SQMT	3770.00	7,43,067.00
					TOTAL	7,43,067.00
W	PICNIC SPOT -2					

	Bamboo Matboard- Bamboo mat board is made of two or more bamboo mats bonded with an adhesive. The mat used is made by weaving thin, uniform strips of bamboo, In the present scenario, where availability of conventional timber has been reduced to considerable extent, the bamboo mat board is expected to find extensive use in future A board made of two or more bamboo mats bonded with an adhesive. Adhesive for bonding bamboo mat board shall be of phenolic type conforming to BWR type specified in IS 818: 1974. Adhesive coated mats shall be allowed sufficient length of open assembly time and/or passed through a band dryer at elevated temperature in the range of 80°C to 90°C to bring down the moisture content of adhesive coated mats to 8 to 12percent. After hot pressing the finished bamboo mat board shall be conditioned to a moisture content not less than 5 percent and not more than 15 percent. For bamboo mat board manufactured by applying the resin by passing the mats through mechanical glue spreader, the manufactured boards shall be treated with non-leachable type preservatives such as Copper-Chrome Arsenic (CCA), Copper-Chrome-Boron (CeO) or Acid-Copper-Chrome (ACe) as per 5.2.2.3 of IS 5539 : 1969. For bamboo mat board manufactured by applying the resin by soaking method, preservative treatment shall be done by incorporating the preservatives like boron (octaborate or tetraborate) into the resin before soaking the mats. The preservative becomes non-leachable during hot pressing.		154	SQMT	3770.00	5,80,580.00
					TOTAL	5,80,580.00
X	TOILET BLOCK CLADDING & CEMENT BOARD					
1	<p>Fiber Cement Sandwich Panel- Prefabricated Fibre Cement Sandwich Panels shall be made of two fibre reinforced cement facing boards on either sides of a lightweight concrete core. These fiber cement boards shall be of thickness upto 5 mm and conforms to IS 14862:2000 (Type - A). The core shall composed of Portland cement and a mix of silacaceous & micaceous material. These panels shall have unique tongue and Groove locking arrangements for jointing.</p> <ul style="list-style-type: none"> There shall be 2 types of Fibre Cement Sandwich Panels, which will be used depending upon the finish required and type of application of wall, namely Recess Edge (RE - 1 mm x 30 mm recess area along the height on tongue & groove location to accommodate the jointing tape) and Square Edge . It is Certified by CPWD DSR, BMTPC, IGBC and GRIHA. Size - 600 mm x 2400/2700/3000 mm x 75 mm (W X H X T) Recyclable material such as Fly Ash as a raw material is used in panel manufacturing makes the product Eco Friendly & Green Building Material. Panels are having excellent fire, water and termite resistance properties. Panels can withstand adverse weather conditions. 		77.8	SQMT	2690.00	2,09,282.00

2	<p>Bamboo Matboard- Bamboo mat board is made of two or more bamboo mats bonded with an adhesive. The mat used is made by weaving thin, uniform strips of bamboo, In the present scenario, where availability of conventional timber has been reduced to considerable extent, the bamboo mat board is expected to find extensive use in future A board made of two or more bamboo mats bonded with an adhesive. Adhesive for bonding bamboo mat board shall be of phenolic type conforming to BWR type specified in IS 818: 1974. Adhesive coated mats shall be allowed sufficient length of open assembly time and/or passed through a band dryer at elevated temperature in the range of 80°C to 90°C to bring down the moisture content of adhesive coated mats to 8 to 12percent. After hot pressing the finished bamboo mat board shall be conditioned to a moisture content not less than 5 percent and not more than 15 percent. For bamboo mat board manufactured by applying the resin by passing the mats through mechanical glue spreader, the manufactured boards shall be treated with non-leachable type preservatives such as Copper-Chrome Arsenic (CCA), Copper-Chrome-Boron (CeO) or Acid-Copper-Chrome (ACe) as per 5.2.2.3 of IS 5539 : 1969. For bamboo mat board manufactured by applying the resin by soaking method, preservative treatment shall be done by incorporating the preservatives like boron (octaborate or tetraborate) into the resin before soaking the mats. The preservative becomes non-leachable during hot pressing.</p>		77.8	SQMT	3770.00	2,93,306.00
3	<p>Whole Bamboo- Bamboo treatment with Borax and Boric Acid. Borax or sodium borate is a soft, colorless, powdery mineral that dissolves easily in water. It is a natural insect repellent and preservative. Treated bamboo is incredibly versatile, finding uses in construction, furniture, textiles, and even food and medicine. It's often treated to enhance its durability and resistance to insects and decay, making it suitable for a wide range of applications.</p>		23.9	RMT	180.00	4,302.00
4	<p>Rubber Shingles - Rubber shingles, offer a durable and environmentally friendly roofing option. They are known for their impact resistance (especially Class 4 rating), long lifespan, and ability to withstand extreme temperatures and high winds. Roofing shingles are a construction material for residential roofing application that is used on roof slopes of 12° or greater. It is the smartest solution for a complex or intricate roof design. Bitumen shingles do not fade; they are resistant to harmful environmental impacts, decay, corrosion, fire damage, and, what is very important, they perform well in extreme temperatures. Roofing shingles by TECHNONICOL fully comply with EN 544. This European standard for bitumen shingles is known for its strict requirements for the minimum mass of bitumen in products (1300 g/m2 – for single-layer roofing shingles and 1500 g/m2 – for multilayer ones). Our commitment to quality control, best raw materials and up-to-date technology guarantees years of superior performance to customers. Algae resistance for 10 years officially guaranteed for some collections. Basalt granules of diverse shades add depth and dimension to shingles texture to get a statement-making roofing. Thanks to weather resistant mineral surface, the color will not fade over time. Multilayer coating and its specific components make extremely quiet roofing. The noise of</p>		77.8	SQMT	4304.00	3,34,851.20

	rain, wind or hail hitting the roof will not torture you. Enjoy peace and quiet in your house! Roofing shingles weight is just 12.5 kg/m2 (COUNTRY collection) compared with 40 kg/m2 weight of ceramic tiles. It results in the lower load and greater safety.					
5	Cement Board (12mm)- Cement board is a auto clave cellulose fiber cement flat boar and is 100% asbestos free board with a smooth surface and square edges. It is a green board which use fly ash as pozzolonic material with 53 grade OP cement as per IS:12269-1987 and reinforce by fiber cellulose pulp in manufacture of flat sheets. It possess superior thermal insulation properties, thus helps save on air conditioning and heating bills which further reduced the carbon footprints.		77.8	SQMT	1720.00	1,33,816.00
					TOTAL	9,75,557.20
Y	TOILET BLOCK CELLING					
	Bamboo Mat board- Bamboo mat board is made of two or more bamboo mats bonded with an adhesive. The mat used is made by weaving thin, uniform strips of bamboo, In the present scenario, where availability of conventional timber has been reduced to considerable extent, the bamboo mat board is expected to find extensive use in future A board made of two or more bamboo mats bonded with an adhesive. Adhesive for bonding bamboo mat board shall be of phenolic type conforming to BWR type specified in IS 818: 1974. Adhesive coated mats shall be allowed sufficient length of open assembly time and/or passed through a band dryer at elevated temperature in the range of 80°C to 90°C to bring down the moisture content of adhesive coated mats to 8 to 12percent. After hot pressing the finished bamboo mat board shall be conditioned to a moisture content not less than 5 percent and not more than 15 percent. For bamboo mat board manufactured by applying the resin by passing the mats through mechanical glue spreader, the manufactured boards shall be treated with non-leachable type preservatives such as Copper-Chrome Arsenic (CCA), Copper-Chrome-Boron (CeO) or Acid-Copper-Chrome (ACe) as per 5.2.2.3 of IS 5539 : 1969. For bamboo mat board manufactured by applying the resin by soaking method, preservative treatment shall be done by incorporating the preservatives like boron (octaborate or tetraborate) into the resin before soaking the mats. The preservative becomes non-leachable during hot pressing.		75	Sqmt.	3770	2,82,750.00
					TOTAL	2,82,750.00
	LS ITEMS					
1	WASTE MANAGEMENT			LS		40,000.00
2	SIGN BOARD SS			LS		1,10,000.00

3	SCULPTURE			LS		1,00,000.00
4	SITTING BENCHES			LS		1,80,322.00
5	MISCELLANEOUS			LS		
	AS PER ABSTRACT BOQ =					2,06,21,087.34
QUOTED RATE IN FIGURE = RS. 2,06,21,087.00						
QUOTED RATE IN WORD = Two Cores Six Lakh Twenty One Thousand Eighty Seven only						

DEVELOPMENT OF VARIOUS TOURISM INFRASTRUCTURES AT SITAKUND WATERFALL SITE,BARIPADA,MAYURBHANJ

GENERAL ABSTRACT

(A)	CIVILCOST :-					
I.	Main Gate(civil work)				Rs	88,100.00
	Main Gate (STEEL WORK)	1,284.12	Kg	Rs 220.50	Rs	2,83,148.46
	Main Gate (Bamboo Roofing)	44.28	Sqm		Rs	4,53,478.32
II.	Parking Area(civil work)				Rs	12,54,200.00
III.	Base for picnic kiosk					
a.	Picnic Spot-1 (Base civil work)(3 Nos.)				Rs	10,62,700.00
	Picnic Spot-1(3 Nos.)(STEEL WORK)	4,517.10	Kg	Rs 220.50	Rs	9,96,020.55
	Picnic Spot-1(3 Nos.)(MS structure with GI tile profile roofing)	197.10	Sqm.	Rs 1,200.00	Rs	2,36,520.00
	Picnic Spot-1(3 Nos.)(Bamboo Cladding)	197.10	Sqm	Rs 3,770.00	Rs	7,43,067.00
b.	Picnic Spot-2 (Base civil work)(4 Nos.)				Rs	10,50,300.00
	Picnic Spot-2(4 Nos.)(STEEL WORK)	5,535.36	Kg	Rs 220.50	Rs	12,20,546.88
	Picnic Spot-2(4 Nos.)(Ms Roofing)	154.00	Sqm.	Rs 1,200.00	Rs	1,84,800.00
	Picnic Spot-2(4 Nos.)(Bamboo Cladding)	154.00	Sqm	Rs 3,770.00	Rs	5,80,580.00
IV.	Admin block(civil work)				Rs	6,04,500.00
	Admin block(Steel work)	1,281.00	Kg	Rs 220.50	Rs	2,82,460.50
	Admin block (MS structure with GI tile profile roofing)	40.00	Sqm.	Rs 1,200.00	Rs	48,000.00
	Admin block (Bamboo wall Cladding & Fiber board work etc)				Rs	6,34,103.52
	Admin block (Bamboo matt board Ceilling)	40.00	Sqm	Rs 3,770.00	Rs	1,50,800.00
V.	Toilet block(civil work)				Rs	12,07,600.00
	Toilet block (Steel work)	2,692.80	Kg	Rs 220.50	Rs	5,93,762.40
	Toilet block (Ms Roofing)	75.00	Sqm.	Rs 1,200.00	Rs	90,000.00
	Toilet block (Bamboo wall cladding & cement board work)				Rs	9,75,557.20
	Toilet block (Bamboo Ceilling)	75.00	Sqm	Rs 3,770.00	Rs	2,82,750.00
VI.	Waste management		LS.		Rs	40,000.00
VIII.	Activity Area(civil work)				Rs	1,14,400.00
IX.	Pathway(civil work)				Rs	15,68,300.00

X.	Vending area(civil work)				Rs	1,41,700.00
	Vending area (2 Nos.)(STEEL WORK)	396.90	Kg	Rs 220.50	Rs	87,516.45
	Vending area(2 Nos.)(Ms Roofing)	25.20	Sqm.	Rs 1,200.00	Rs	30,240.00
XI.	Ramp(civil work)				Rs	2,62,136.55
XII.	Guard Wall(civil work)				Rs	9,12,800.00
XIII.	Sign Bord SS	2	Nos.		Rs	1,10,000.00
XIV.	Sculpture	2	Nos.	LS.	Rs	1,00,000.00
XV.	Sitting benches	10	Nos.	LS.	Rs	1,80,000.00
XVI.	Septic Tank & Soak Pit 1nos.				Rs	2,44,800.00
	Site levelling & PRR(CIVIL WORK)				Rs	5,03,185.17
XVIII.	Over head Water tank(civil work)				Rs	1,79,900.00
	Over head Water tank (STEEL WORK)	345.60	Kg	Rs 220.50	Rs	76,204.80
XIX.	Cubicle Toilet 9nos.				Rs	3,33,000.00
XX.	Urinal Partition 5nos.				Rs	30,000.00
				Total	Rs	1,79,37,177.80
(D)	ELECTRIFICATION :-					
I.	INTERNAL WORK (TOILET)				Rs	2,13,622.80
II.	INTERNAL ELECTRICAL WORK(ADMIN)				Rs	2,74,028.48
					Rs	4,87,651.28
(E)	PH Cost				Rs	6,70,258.00
(F)	Landscape				Rs	15,26,000.00
						2,06,21,087.08
	Or, Say				Rs	2,49,77,100.00

3D Design of various Infrastructure to be constructed at Sitakund tourism Site

XXXXX



(Admin Block)



(Toilet Block)



(Picnic kiosk)



(Entry Gate)



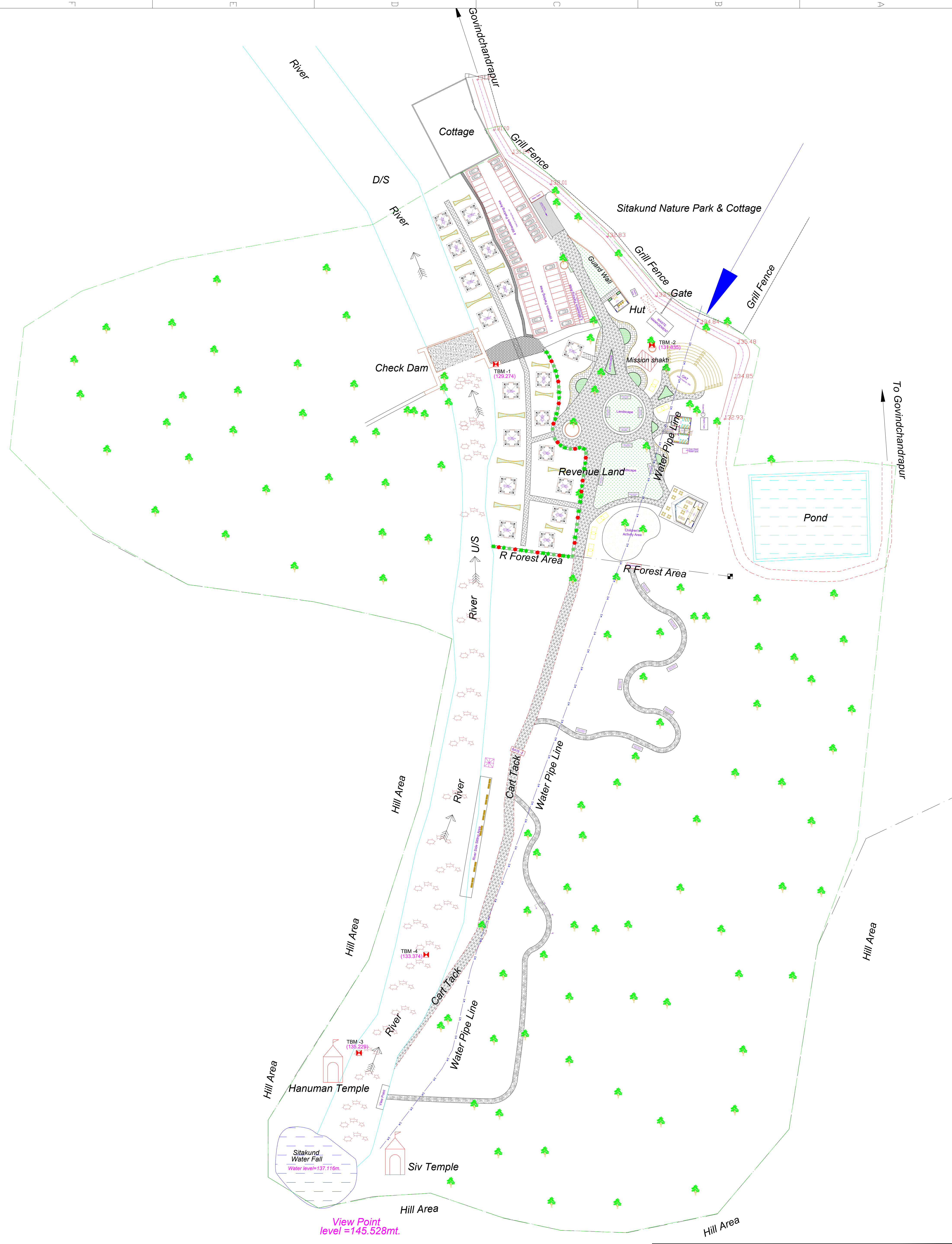
(Vending Zone)



(Parking Zone)

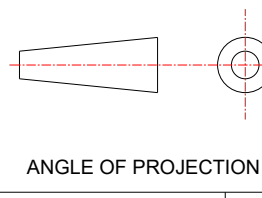


(Landscaping and Sculpture)

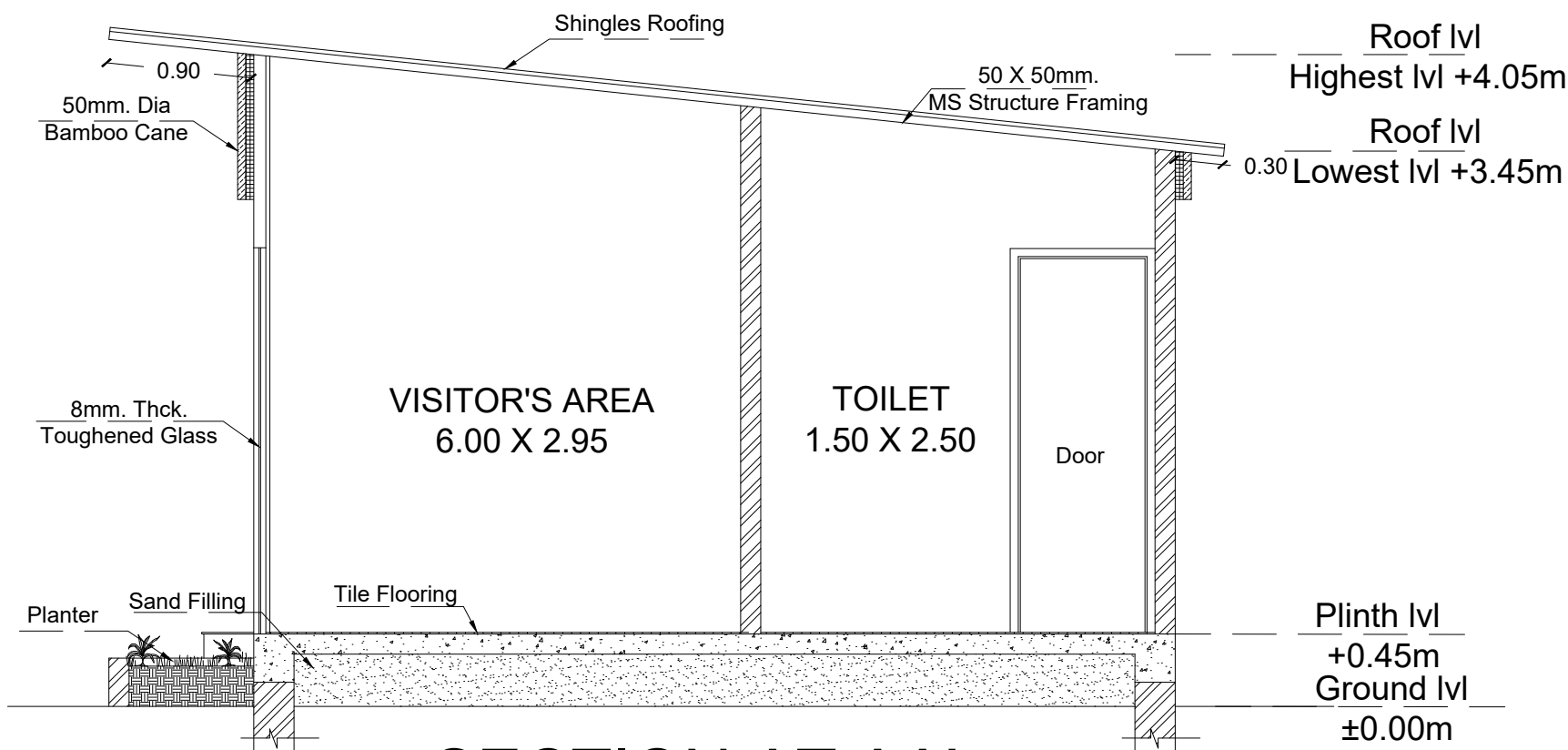
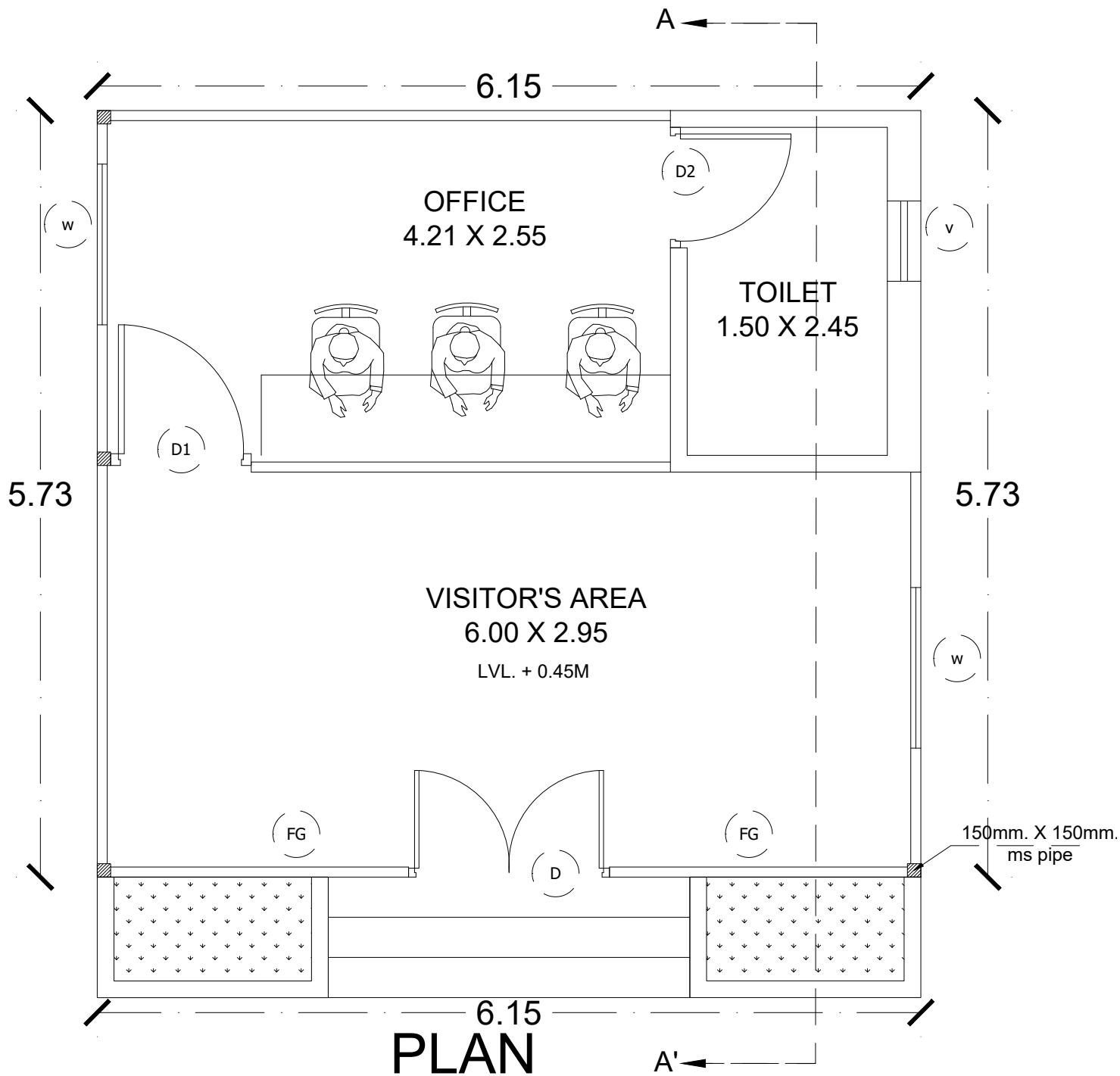


<div><div></div><div>MALUS INFRA</div></div> <div>PLOT NO.-924/1,GGP COLONY,RASULGARH,BHUBANESWAR-751010</div>			
DEPARTMENT			CLIENT
DETAIL	SITE PLAN	PROJECT	SITAKUND DEVELOPMENT
PROJECT ARCHITECT		AR. ANKAN KUMAR BASA	SIMLIPAL SOUTH WILDLIFE DIVISION, BARIPADA
DRN.	AR. SUCHITRA	SHEET NO. 01	
CHD.	AR. ANKAN	DRG.NO.	
APP.			

DISCUSSION	APPROVAL	REFERENCES
TENDER	GFC	



REV



SECTION AT AA'

OPENING SCHEDULE					
SL. NO.	MARK	SIZE	SILL	LINTEL	SPECIFICATION
1	w	1.20 X 1.65	0.75	2.40	UPVC Finish Sliding Window
2	v	0.60 X 1.20	1.20	2.40	UPVC Finish Top Hung Ventilator
3	D	1.50 X 2.40		2.40	8mm. Toughen Glass Door
4	D1	1.05 X 2.40		2.40	Wooden Laminated Flush Door
5	D2	0.90 X 2.40		2.40	Wooden Laminated Flush Door
6	FG	2.25 X 2.40		2.40	Wooden Laminated Flush Door

DISCUSSION

APPROVAL

TENDER

G F C

REFERENCES



PLOT NO.-924/1,GGP COLONY,RASULGARH,BHUBANESWAR-751010

DEPARTMENT

ARCHITECTURE

PROJECT

CLIENT

DETAIL

ADMIN BLOCK PLAN, SECTION

SITAKUND DEVELOPMENT

SIMLIPAL SOUTH WILDLIFE DIVISION, BARIPADA

PROJECT ARCHITECT

AR. ANKAN KUMAR BASA

DRN.

AR. SUCHITRA

SHEET NO. 02

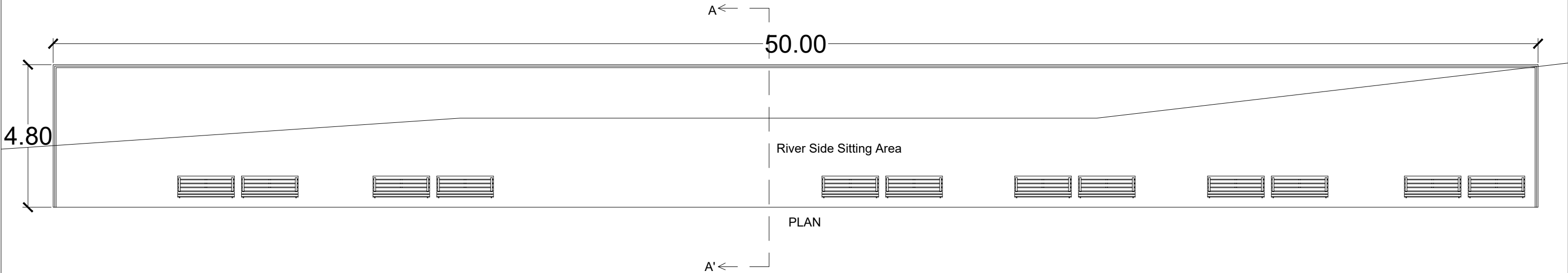
CHD.

AR. ANKAN

DRG.NO.

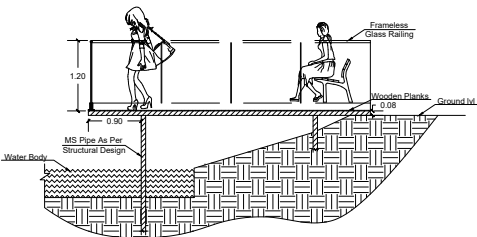
REV

RIVER SIDE SITTING AREA



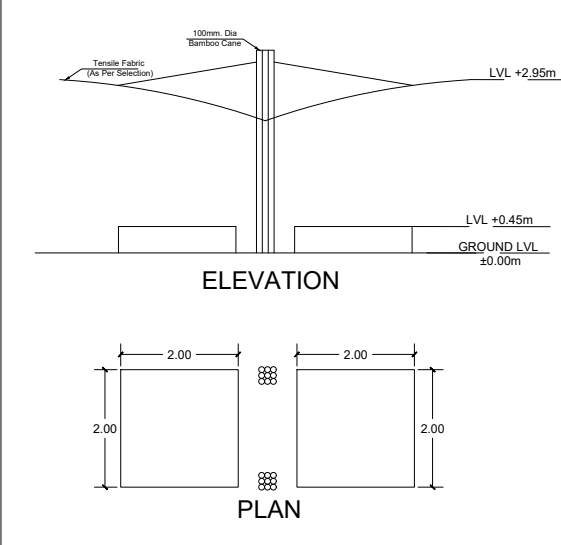
River Side Sitting Area

PLAN



SECTION AT AA'

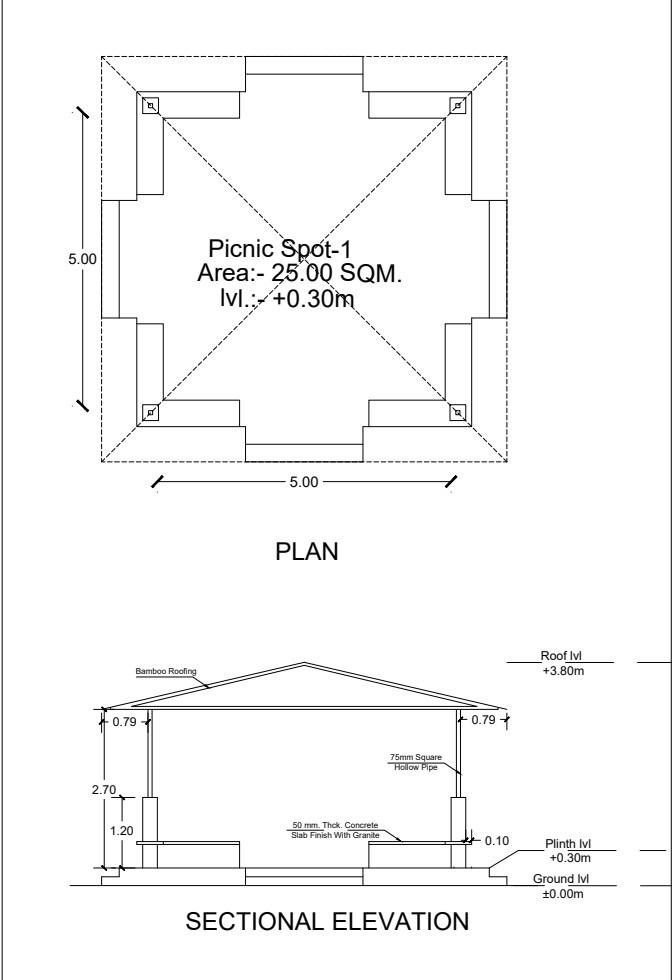
VENDING AREA



ELEVATION

PLAN

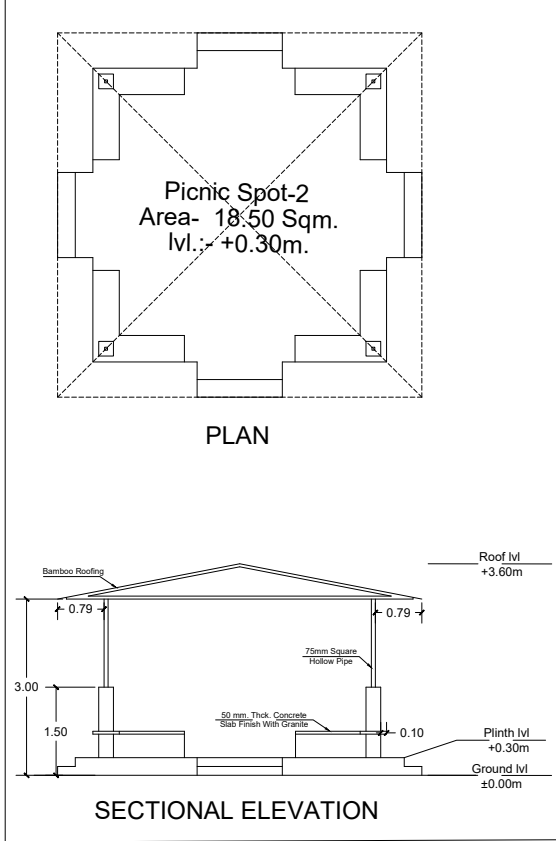
PICNIC SPOT-1



PLAN

SECTIONAL ELEVATION

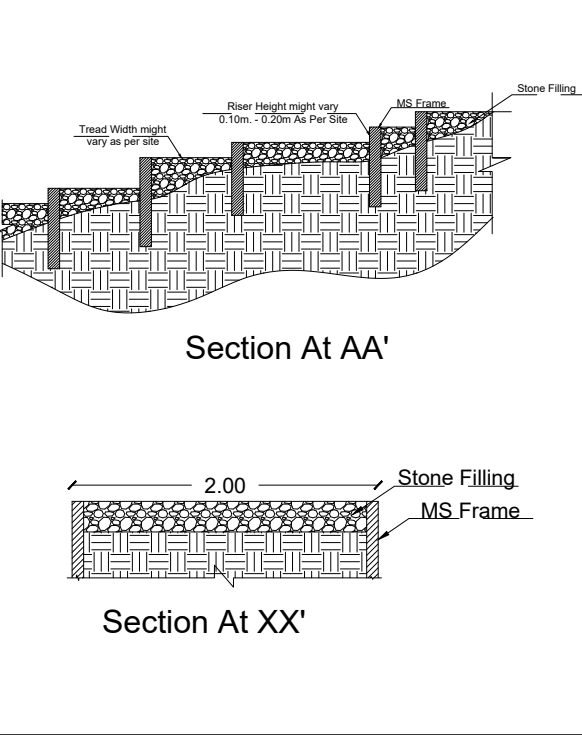
PICNIC SPOT-2



PLAN

SECTIONAL ELEVATION

PATHWAY DETAILING

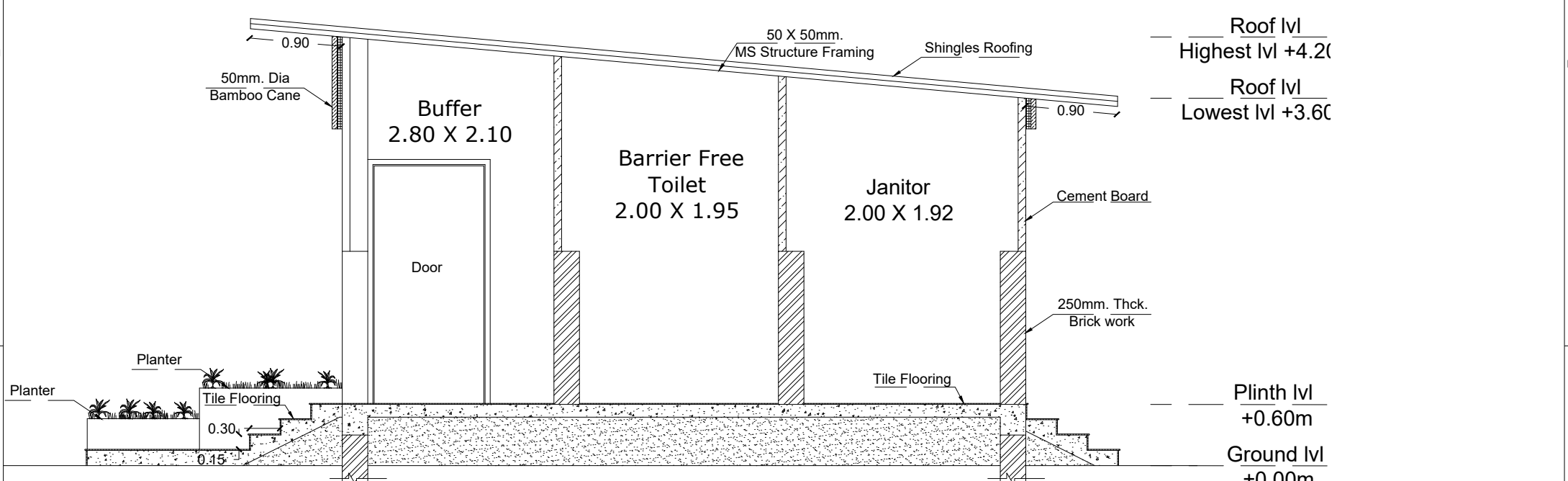
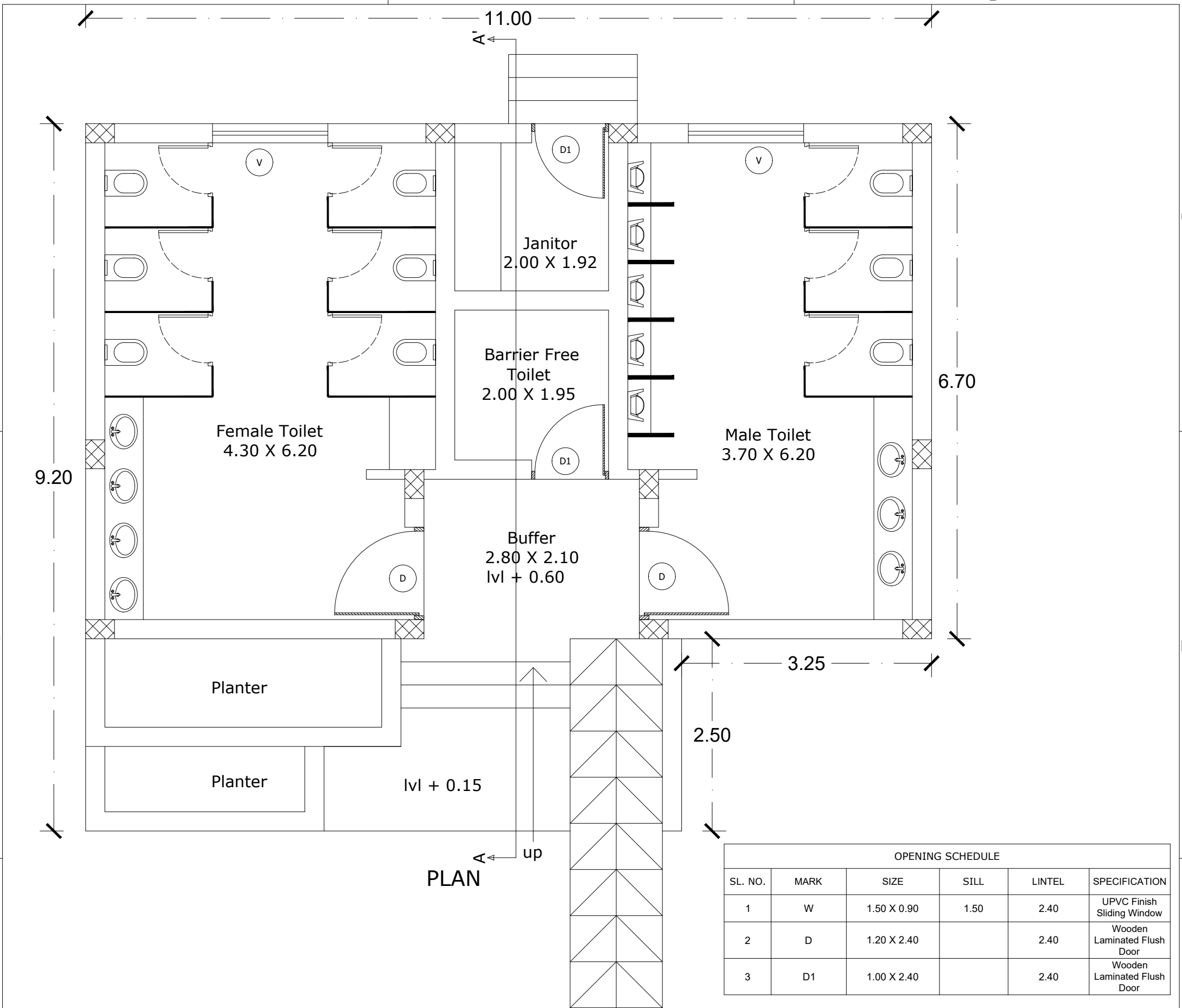


Section At AA'

Section At XX'

DISCUSSION	APPROVAL	
TENDER	G F C	REFERENCES

PLOT NO.-924/1,GGP COLONY,RASULGARH,BHUBANESWAR-751010			
DEPARTMENT	ARCHITECTURE	PROJECT	CLIENT
DETAIL	RIVER SIDE SITTING AREA PLAN & SECTION, VENDING AREA PLAN & ELEVATION,PICNIC SPOT PLAN & SECTIONAL ELEVATION	SITAKUND DEVELOPMENT	SIMLIPAL SOUTH WILDLIFE DIVISION, BARIPADA
PROJECT ARCHITECT	AR. ANKAN KUMAR BASA		
DRN.	AR. SUCHITRA	SHEET NO. 07	
CHD.	AR. ANKAN	DRG.NO.	REV



SECTION AT AA'

Toilet Cubicle Details

PLOT NO.-924/1,GGP COLONY,RASULGARH,BHUBANESWAR-751010			
DEPARTMENT	ARCHITECTURE	PROJECT	CLIENT
DETAIL	TOILET BLOCK PLAN, SECTION	SITAKUND DEVELOPMENT	SIMLIPAL SOUTH WILDLIFE DIVISION, BARIKATA
PROJECT ARCHITECT		AR. ANKAN KUMAR BASA	
DRN.	AR. SUCHITRA	SHEET NO. 03	
CHD.	AR. ANKAN	DRG.NO.	
DISCUSSION		APPROVAL	
TENDER		G F C	
REFERENCES			