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Regional Office : Alok Bharati Complex, 7th floor, Saheed Nagar, Bhubaneswar-751007
Phone No. 0674 - 2546848/ 2544206/ 2541747/ 2544607/ 2547508. Fax No. 0674- 2546847; CIN: L51909DL1963GOI004033.

NIT No. MMTC/BBSR/CSR/KALAHANDI/3-L.R./2018-19

Date: 23.01.2019

NOTICE INVITING TENDER (NIT) FOR CONSTRUCTION OF LABOUR ROOMS AT REGEDA PHC UNDER KARLAMUNDA BLOCK, AT UTKELA PHC UNDER KESINGA BLOCK & AT BENGALON PHC UNDER LANJIGARH BLOCK OF KALAHANDI DISTRICT OF ODISHA THROUGH CSR ACTIVITIES FOR F/Y. 2018-19.

Appendix

1	Period of completion	: Two Months (by 31.03.2019)
2	Defect Liability period	: Six (6) months from the date of Completion
3	Earnest Money Deposit	Rs.75,000/- (Rupees Seventy Five Thousand only) for all three construction projects i.e. Rs.25,000/- per project. The Bidders can participate for one or, two or, three construction project(s) as per the open tender.
4	Security Deposit	: 10% of award value, to be deducted from the Running Bills
5	Participation fees	: NIL (Free of cost and downloadable from websites)
6	Address of site:	(a) AT REGEDA PHC UNDER KARLAMUNDA BLOCK, KALAHANDI (b) AT UTKELA PHC UNDER KESINGA BLOCK OF KALAHANDI DISTRICT (c) AT BENGALON PHC UNDER LANJIGARH BLOCK OF KALAHANDI DISTRICT OF ODISHA

NIT No. MMTC/BBSR/CSR/KALAHANDI/3-L.R./2018-19

Date: 23.01.2019

GENERAL ABSTRACT OF BASIC ESTIMATED COST IN INR					
(A) CONSTRUCTION OF LABOUR ROOMS AT REGEDA PHC					
Name of Work:-		Civil cost	E.I internal	PH external and Internal	Total
1	Building	Rs16,16,633.00	Rs 2,73,452.00	Rs 2,53,900.00	Rs 21,43,985.00
2	approach	Rs1,91,102.00			Rs 1,91,102.00
	Sub-Total	Rs 18,07,735.00	Rs 2,73,452.00	Rs2,53,900.00	Rs 23,35,087.00

(B) CONSTRUCTION OF LABOUR ROOMS AT UTKELA PHC					
Name of Work:-		Civil cost	E.I internal	PH external and Internal	Total
1	Building	Rs15,94,358.00	Rs 2,73,452.00	Rs 2,53,900.00	Rs 21,21,710.00
2	approach	Rs2,20,002.00			Rs 2,20,002.00
	Sub-Total	Rs 18,14,360.00	Rs 2,73,452.00	Rs2,53,900.00	Rs 23,41,712.00

(C) CONSTRUCTION OF LABOUR ROOMS AT BENGAON PHC					
Name of Work:-		Civil cost	E.I internal	PH external and Internal	Total
1	Building	Rs16,85,971.00	Rs 2,73,452.00	Rs 2,53,900.00	Rs 22,13,323.00
2	approach	Rs1,05,627.00			Rs 1,05,627.00
	Sub-Total	Rs 17,91,598.00	Rs 2,73,452.00	Rs2,53,900.00	Rs 23,18,950.00

GROSS TOTAL: RS. 69,95,749/- (*GST EXTRA)

TENDER INSTRUCTIONS, GUIDELINES, TERMS AND CONDITIONS

MMTC Limited, established in 1963, A Government of India Enterprise, is a leading International company engaged in International Trading of minerals, agro products, precious metals, non-ferrous metals, coal & hydrocarbons, fertilizers etc. MMTC is one of the major global players in the minerals trade and is the single largest exporter of minerals. MMTC Limited is a CPSE, under Ministry of Commerce (Moc&I), Government of India. MMTC's tagline, "Touching Lives, Adding Value" aptly summarizes its Corporate Social Responsibility Policy. It has consistently played the role of a good corporate citizen and has shown its deeper commitment towards Corporate Social Responsibility (CSR) and Sustainable Development (SD) practices by conducting its business in an economically, socially and environmentally sustainable manner. As a socially aware corporate citizen, MMTC's responsibilities extend beyond its objective on financial performance towards social inclusive growth and performance. MMTC has been playing a committed role as a constructive partner in the communities where it operates, to make a positive impact on the environment, stakeholders and the society at large.

The District Collector of Kalahandi, Government of Odisha has kindly approved allocation of construction projects in favour of MMTC Limited vide Letter No. 2064/DPMU/ Dt. 17.12.2018 & CDMO Letter No. 21/NHM/DPMU (Engg) dt.15.01.2019 for total construction of three Labour rooms at MMTC's cost and handing over to District Administration/Health Department after completion of the projects. Hence, MMTC proposes to float open tender for identification & selection of suitable Contractor, carrying out the construction activities, completion of projects and handing over the constructed facilities/premises to concerned authority subsequently.

MMTC Limited (A Govt. of India Enterprise) invites **percentage rate** open tender under **two-bid** system (Technical Bid & Financial Bid) for **CONSTRUCTION OF LABOUR ROOMS AT REGEDA PHC UNDER KARLAMUNDA BLOCK, AT UTKELA PHC UNDER KESINGA BLOCK & AT BENGALON PHC UNDER LANJIGARH BLOCK OF KALAHANDI DISTRICT OF ODISHA THROUGH CSR ACTIVITIES FOR F/Y. 2018-19** from well-established and reputed Indian firms/Contractors having experience in similar type of works. The required design, drawings, estimates, b.o.q.s, materials etc, are prepared by Engineers, NHM, Kalahandi and approved by CDMO, Kalahandi, Govt of Odisha.

Interested India Bidders fulfilling minimum eligibility criteria as mentioned in this tender document may submit their bid along with the required set of documents. The hard original documents of **Technical Bid** (Part-1) & **Financial/Price Bid** (Part-2) duly signed/stamped in each page of this tender along with requisite documents & EMD in the shape of Bank Draft (D.D.) from any Nationalised Banks in favour of **MMTC Limited**, payable at **Bhubaneswar** or, fund transfer to MMTC Limited as per bank details given below, indicating Fund Transfer Advice, shall be sent in physical mode so as to reach the Office of the General Manager, MMTC Limited, 7th Floor, Alok Bharati Complex, Sahid Nagar, Bhubaneswar-751007, Odisha on or before **15:00 hrs of 31.01.2019 (Thursday)**. The technical bids shall be opened at **1600 hrs on 31.01.2019**.

The bank details of MMTC Limited, Bhubaneswar are as follows:

Name	MMTC LIMITED, BHUBANESWAR
BANK	STATE BANK OF INDIA, COMMERCIAL BRANCH, IDCOL HOUSE, ASHOK NAGAR, BHUBANESWAR- 751009, ODISHA, INDIA
ACCOUNT NO.	10229909115
IFSC CODE	SBIN0006657
SWIFT NO.	SBININBB 119

The sealed bid of Part-1(Technical bid) and the sealed bid of Part-2 (Price Bid) shall be put in another single sealed cover superscribing name of tender, date and name, address of bidder, for submission of tender bids in tender-box.

The documents required are:

1. Proof of documents for similar nature of works carried out with Govt. Departments / PSU's / reputed Public or Private Organizations etc. in the last **three financial years** only, i.e., 2015-16, 2016-17 & 2017-18 to know the experience profile of bidders.
2. The estimated cost of three works is **RS. 69,95,749/-** which is based on the estimates prepared as per current schedule of rate-2014 (Post GST) and enhanced labour rate of Government of Odisha. The design, estimate, drawings, b.o.q.s, approved manufacturers for materials to be supplied, the standard specifications etc, as per norms of Govt. of Odisha will be followed during the execution of works. Any eligible tenderer can participate for construction of minimum one project and maximum three projects & accordingly the EMD @ Rs.25,000/- per project & tender terms shall be applicable.
3. **Three** similar works, each of value not less than 40% of the estimated cost put to tender, or, (ii) **Two** similar works, each of value not less than 60% of the estimated cost, or (iii) **One** similar work of value not less than 80% of the estimated cost, all amounts rounded off to a convenient full figure, in the **last 3 years** i.e. 2015-16, 2016-17 & 2017-18.
4. Proof of valid registration with statutory authorities for Works Contract, GST, any other etc.
5. Whether black-listed/ put on holiday list/ withdrawal of works etc by any clients in the last 5 years, if any. Give details.
6. Copies of annual turn over details for the **last three financial years** (including Balance Sheet, Income Tax returns, Profit & Loss accounts) certified by Chartered Accountant.
7. Profile of the firm.
8. Copy of PAN Card issued by Income tax Department, Govt. of India and details of GST registrations.

9. The EMD in the form of original Demand Draft/Pay Order for Rs. 75,000/- (Rupees Seventy Five Thousand only) for three projects or Rs.25,000/- per project, may be submitted in favour of "MMTC Limited" payable at Bhubaneswar or, Fund Transfer Advice (subject to fund credit to MMTC Account).
10. Details of Bank account e.g. Name of Bank, name of branch, type of A/c, along with copy of cancelled Cheque leaf.
11. Proof of financial soundness during the last financial year and attested copy of *Solvency Certificate* issued by the scheduled / nationalized bank for carrying out construction works to the tune of our estimated cost.
12. The bidders have to quote in Financial/Price Bid format (**in percentage rates**) **all inclusive rate** i.e. rates shall include Taxes, Cess, & Statutory duties etc **except GST**. The rates once quoted shall be firm and any subsequent price revision/ adjustment/revamping etc. shall not be entertained during the currency of the Contract and will be valid till completion of the work. As such, the bidders are advised to ensure that their offers are complete in all respect and in full conformity with the tender terms and specifications.

The rates in the Price/Financial bid shall be put by the Bidders 'in percentages' both in 'figure' and 'words' writing 'Excess' or 'Less' into one decimal point shall be considered infect round off, with respect to Estimated Cost mentioned in the tender.

13. The documents required are mentioned above from Sl. No.1 to 12 (Sl. No.1 to 11 are for Technical bid and Sl. No.12 is for Price/Financial Bid) which shall be self certified and to be attached in the tender appropriately.
14. **COMPLETION PERIOD:** The estimated completion time under normal circumstances shall be about two (2) months after issue of Award of works/Work Order or, 31.03.2019 whichever is earlier.
15. The technical bids (Part-I) shall be opened on **31.01.2019 at 1600** hours in Office of MMTC Ltd, Bhubaneswar and those bidders/ authorised representatives willing to witness the process of opening may like to attend the same with authorisation Letter. The date and time for opening of the Price/Financial bid shall be informed later to the bidders who qualify in the technical evaluation process by phone/email at the address given by them in the Technical Bid.
16. **Offer validity:** The offer should remain valid for a period of **30 days** from the date of opening of price/financial bid for acceptance by MMTC.
17. **Pre-bid meeting:** A pre-bid meeting will be held on **28/29th January, 2019** at Bhawanipatna. Interested bidders may attend for queries, if any.
18. For details, please visit www.mmtclimited.com, www.eprocure.gov.in

19. It should be noted that no price / rate indication directly or indirectly be reflected in any way in the Part – I (Technical Bid).
20. The Earnest Money may be forfeited at MMTC's option in case the bidder withdraws its tender during the validity period. The EMDs of unsuccessful bidders shall be returned without any interest. The EMD of successful bidder shall be retained and to be adjusted in security deposit (10% of award value in cash). The security deposit amount shall be retained from Bills of Contractor, which shall be refunded after satisfactory completion/virtual completion of defect liability period.
21. If the bidder deliberately gives wrong information in his tender, MMTC reserves its right to reject such tender at any stage or cancel the contract, if awarded, and forfeit the earnest money/security deposit/any other dues. Canvassing in any form in connection with the tender is strictly prohibited and the tenders submitted by the Contractor who resorts to canvassing are liable to be rejected.
22. The Contractor (if selected in the tender) shall be provided the Award of Works/Work Order by MMTC immediately after finalisation. However, no escalation in rates quoted by the bidder shall be permitted during the currency of the agreement / extended period(s).
23. The Contractor shall not sub-let the contract in part or whole as detailed in the tender /specifications without the written permission of MMTC.
24. All the work shall be carried out as per the specifications/ Descriptions of items and the terms and conditions given in the tender. The quality consciousness in execution of works is required.
25. Any Deviation from the tender terms and conditions is liable for non-acceptance at the sole discretion of MMTC Ltd.
26. The contract or the contract document shall mean and include the work orders/agreement, schedule of quantities, if any, general conditions of the contract, instruction to bidders, if any, the tender document and the acceptance letter issued by MMTC. Any conditions or terms stipulated by the bidder in the tender document or the subsequent letter shall not form part of the contract unless specifically accepted in writing by MMTC and incorporated in the agreement/work order.
27. Letter of award/ letter of acceptance / letter of intent/ work order shall mean the intimation by letter / by fax/e-mail to the bidder that the tender has been accepted in accordance with the provisions contained in the letter. The responsibility of the Contractor commences from the date of issue of this letter and all the terms and conditions of the contract shall be applicable from this date.

28. The Contractor has to mobilise all required resources (work force, materials, machineries etc) at own cost and perform the construction works as per tender. The Contractor at own cost shall arrange necessary local clearances if any, water supply, electricity, temporary sheds, security, man-powers etc, as required to perform the works. *Any State Government Directives required for compliance for the construction/commissioning of projects works to be performed shall be obtained by Contractor at own cost.*
29. Completion time shall mean the period / date specified in the letter of intent, work order, tender document.
30. The Contractor shall furnish to MMTC, the name, designation and address of his authorized representatives/agent on his behalf. The complaints, notices, communications, reference shall be deemed to have been duly given if delivered to the Contractor or his authorized agent by hand at work site or thru' ordinary post.
31. The bidder should study all the tender documents carefully and understand the conditions and specifications etc. The bidders or his authorized representative should sign & stamp every page of the tender document.
32. The bidders shall remove all debris/wastes etc. wash and clean the floors/areas and hand over the site in a clean and habitable condition after completion of work at their cost. The Contractor at own cost shall put a sign-board/required painting indicating that the said projects are constructed by MMTC Limited, Bhubaneswar under CSR - 2018-19.
33. Timely completion of the work is the essence of the contract. Contractor shall submit the work completion schedule. The Contractor can work round the clock for expediting the work.
34. All Guarantees/tender terms as envisaged in the work shall be legally binding and enforceable as per law of the land.
35. **Payment of bills:** It may be noted that no advance payment/ resources mobilisation advance shall be paid to eligible Contractor. After completion of works, the Contractor shall prefer their bills on MMTC Limited, Bhubaneswar enclosing documents after due checking, verification, measurements etc, which are ready in all respects, payment shall be made within three (3) weeks of receipt of bill at MMTC. Further, the Contractor can prefer one running bill after roof casting for interim payment of 50% of civil cost. The Bills should accompany Certification by MMTC officials/Authorised Persons/Engineers/Consultant towards the works done as per tender specifications. MMTC shall retain Security Deposit amount (10% of awarded value with adjustment of EMD). The statutory GST shall be paid after deducting applicable GST TDS. The IT TDS as applicable shall also be deducted. The TDS so retained shall be paid to respective Departments directly and necessary Certificates shall be provided to Contractor subsequently.

36. Any Drains, pipes, cables, overhead wires and similar services encountered in the course of the work shall be guarded from damage by the contractor/successful bidder at his own cost, so that they may continue in full and uninterrupted use to the satisfaction of the Engineer or his representative thereof and the contractor/successful bidder shall not store materials or otherwise occupy any part of the site in a manner likely to hinder the operation of such services. Should any damage be done by the contractor/successful bidder to any mains, pipes, cables or lines (whether above or below ground), the contractor/successful bidder shall make good or bear the cost of making good the same without delay, to the entire satisfaction of the Engineer or his representative.
37. The decision of MMTC Limited regarding extension of time with or without levy of penalty shall be final & binding on the Contractor/successful bidder.
38. **Defect Liability Period** – The amount towards the defect liability will be deducted & retained from the payment (to Contractor after works completion) as Security Deposit @ 10 % of value of work awarded, till the sum along with the sum already deposited as earnest money amounts (EMD) to defect liability @ 10% of the tendered work (adjusting EMD received). The same shall be refunded to the Contractor/successful bidder on completion of the defect liability period which shall be six (6) months from the date of issuance of completion certificate /virtual completion of the works during which the Contractor/successful bidder shall be responsible for removal of defects to the satisfaction of MMTC, failing which action as deemed fit including forfeiture of security deposit/Performance Guarantee amount shall be contemplated by MMTC at its sole discretion.
39. **Labour engagement:** It shall be the sole liability of the contractor/successful bidder (including the contracting firm/company) to adhere to all necessary licenses/permissions/acts from the concerned authorities.
40. The lowest 'Acceptable' tender (L-1) project-wise shall be considered generally for conclusion of the contract.
41. **TERMINATION OF THE CONTRACT:** In the event, Contractor/successful bidder fails to execute the work with due diligence or expeditiously or shall refuse or neglect to comply with any orders/ instructions given to him in writing within the scope of the work order or shall contravene the provisions of the work order, MMTC may give notice to the Contractor/successful bidder in writing, calling him to make good the failure within such time which may be deemed reasonable, but not exceeding 30 days & in default, MMTC without prejudice to its right under the work order, may rescind or cancel the work order, holding the Contractor/successful bidder liable for damages and MMTC shall have the option and be at liberty to get the balance /unexecuted work done through some other agency at the risk and cost of the Contractor/successful bidder. The cost so incurred along with damages as decided by the MMTC, shall be recoverable from the dues payable to the Contractor/successful bidder for the work executed under the work order or any other of his dues payable by MMTC.

42. **ARBITRATION:**
In case the bidder is Govt. Dept/Public Sector Undertaking , Settlement of dispute will be followed as per the following clause

“In the event of any dispute or difference relating to the interpretation and application of the provisions of commercial contract(s) between Central Public Sector Enterprises(CPSEs)/ Port Trusts inter se and also between CPSEs and Government Departments/ Organizations (excluding disputes concerning Railways, Income Tax, Customs & Excise Departments), such dispute or difference shall be taken up by either party for resolution through AMRCD as mentioned in DPE OM No 4(1)/2013-DPE(GM)/FTS-1835 dated 22-05-2018.

In case the bidder is not a Govt department / Public Sector Undertaking, Settlement of dispute will be followed as per the following clause:

In case the bidder is not a Govt department / Public Sector Undertaking, Settlement of dispute will be followed as per the following clause: ii) “Any dispute or difference whatsoever arising between the parties out of or relating to the construction, meaning, scope, operation or effect of this contract or the validity or the beach thereof shall be settled by Arbitration by a sole arbitrator to be nominated by General Manager, MMTC Ltd, Bhubaneswar. The Arbitration Act 1996 shall be applicable to the arbitration under this clause. The parties to the dispute will share equally the cost of arbitration as intimated by the arbitrator.

The seat/venue of the arbitration shall be Bhubaneswar, Odisha.

JURISDICTION CLAUSE: The parties hereto agree that any matter or issues arising hereunder or any dispute hereunder shall be subject to the exclusive jurisdiction of the courts of Bhubaneswar only.

43. **FORCE MAJEURE:**

If at any time during the existence of this contract either party is unable to perform in whole or in part any obligations under this contract because of war, hostility, military operations, civil commotions, sabotage, quarantine, restrictions, acts of God and acts of governments, fires, floods, explosions, epidemics, strikes or any other labor trouble, embargoes, then the date of fulfillment of any obligations engagements shall be postponed during the time when such circumstances are operative. Any waiver/Extension of time in respect of the execution of work shall not be deemed to be waiver/extension of time in respect of the remaining work to be executed.

“If operation of such circumstances exceed one month, either party will have the right to refuse further performance of the contract in which case neither party shall have the right to claim eventual damages”

The party which is unable to fulfill its obligations under the present contract must within 15days of occurrence of any of the causes mentioned in this clause shall inform the other party of the existence or termination of the circumstances preventing the performance of the contract with supporting documents to the effect of force-majeure issued by the government/Competent Authority.

44. **Safety measures:** The Contractor/successful bidder alone shall be responsible for compliance with respect to any safety measures as may be required by law or may be prudent as per the accepted industry practice with respect to the works to be executed under this Contract.

45. **Indemnity:** The Contractor/successful bidder or the sub- Contractor shall indemnify, defend and hold and keep indemnified, the MMTC from and against all actions, suits, claims costs, liabilities and demands brought or made against the MMTC in respect of any matter or thing done or omitted to be done by the Contractor/successful bidder or any of his Sub-Contractor(s) or their employees, workmen, representatives, agents, servants or suppliers in the execution of or in connection with the Work or the Contractor/successful bidder's or Sub-Contractor's performance under this Contract and against any loss or damage to the MMTC in consequence of any action or suit being brought against the Contractor/successful bidder or any of his Sub-Contractor(s) or their employees, workmen, representatives, agents, servants or suppliers for anything done or omitted to be done in execution of the Work and the Project coordination services under this Contract, including but not limited to meeting the Project milestones, non-compliance with the applicable laws and regulations of the government and local authorities, not obtaining the relevant licenses and permits, infringing any patents rights and specifically regarding use, storage and disposal of hazardous materials. The obligations of the Contractor/successful bidder under this clause shall survive the termination or expiry of this Contract.

46. **FRAUD PREVENTION POLICY:**

1. Commitments of the Bidder(s):

- (a) The Bidder(s) shall be bound to take all measures necessary to prevent Fraud and Corruption while dealing with MMTC. They agree and undertake to observe the principles/provisions as laid down in "Fraud Prevention Policy" of MMTC(Full text of which is available on MMTC's website at www.mmtclimited.com during their participation in the tender process, during the execution of contract and in any other transaction with MMTC.
- (b) The Bidder(s) shall not, directly or through any other person or firm, offer, promise or give or otherwise allow any of MMTC's employees any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.
- (c) The Bidder(s) shall not enter with other Bidders into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications in the bidding process.
- (d) The Bidder(s) shall not commit or allow any employees of MMTC to commit any offence under the relevant provisions of IPC/Prevention of Corruption Act: further the Bidder(s) will not use improperly or allow any employee(s) of MMTC, for purposes of competition or personal gain or pass on to others, any information or document provided by MMTC as part of the business relationship, including information contained or transmitted electronically.

(e) The Bidder(s) shall not instigate third persons to commit offences/activates outlined in Fraud Prevention Policy or be any accessory to such offences.

(f) The Bidder(s) if any possession of any information regarding fraud/suspected fraud, hereby agree and undertake to inform MMTC of same without any delay.

2. Disqualification from tender process and exclusion from future contracts: IF the Bidder(s)/Contractor/successful bidder(s), before award or during execution has committed a transgression through a violation of Clause 34(1) or "Fraud Prevention Policy" of MMTC in any other form such as to put their reliability or credibility in question, MMTC other than taking recourse available under law, shall be entitled to disqualify the Bidder(s)/Contractor/successful bidder(S)/Buyers(s)/Vendor(s) from undertaking any transaction with MMTC and/or declare the bidder(s)/contractor/successful bidder(s) ineligible to be awarded a contract either indefinitely or for a stated period of time.

3. Damages: If MMTC has disqualified the Bidder(s) from the tender process prior to the award of during execution according to Clause 34(2), MMTC shall be entitled to demand and recover from the Contractor/successful bidder liquidated damages of the Contract value .or the amount equivalent to Performance Bank Guarantee.

47. **HOLIDAY LISTING:**

"Notwithstanding anything contained in this agreement, MMTC's policy for Holiday-Listing of an Agency mutatis mutandis applies to this agreement and in the event, the agency(s) while discharging its obligations under the Agreement or otherwise, come(s) within the ambit of the said policy, MMTC at its sole discretion reserves the right to suspend/discontinue dealings or take any curative measures with the agency(s) in accordance with the policy in force".

48. Bidder has to fill and submit the Mandatory Information Form (Annexure I), Terms and conditions as agreed (Annexure II), Declaration by the bidder (Annexure III) and other documents as per the Tender.

49. MMTC Ltd. does not bind itself to accept the lowest or any other tender and reserves its right to reject / accept any or all the tenders received without assigning any reason whatsoever. Tenders, in which any of the prescribed conditions are not fulfilled by the bidder, shall be summarily rejected. Joint tenders shall not be accepted / considered. MMTC reserves the right of accepting part or whole of the tender and the bidder shall meet the same as per the tender. MMTC also reserves the right to award the works project-wise to one or more parties (maximum three parties) without assigning any reason thereof.

General Manager,

MMTC, Bhubaneswar

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ANNEXURE -I

Mandatory Information of Bidder

Company/Contractor's Name	:	
Registration Number	:	
Registered Address	:	
PAN NO. / TAN NO./ GST	:	
Name of Partners / Directors	:	
City Name	:	
Postal Code	:	
Company's Establishment Year	:	
Company's Nature of Business	:	
Company's Legal Status	:	
Company Category	:	
Contact Details	:	
Contact Name	:	
Designation	:	
Date Of Birth	:	
Correspondence Email	:	
Phone	:	
Mobile	:	

Signature of the bidder: _____

Name:

Designation:

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ANNEXURE II

**TERMS AND CONDITIONS AS AGREED
(On Company's Letter Head)**

- a. This is to confirm that in case we are considered, we do hereby undertake to carry out the said works as per our all inclusive quoted rates under the laid down schedules, BOQs, specifications, drawings etc in the tender. We also confirm that the works shall be done within the stipulated period as per NIT. We shall give our best and make all efforts for the said works.
- b. The NIT/ tender form/ terms & conditions which is/are downloaded from the website(s) has not been changed or corrected in any manner. I understand that only the conditions and readings as appearing in the original uploaded form will be treated as valid. For checking the form and the conditions and the readings used by me in the tender submitted will be compared and confirmed with the original uploaded at MMTC &/or Govt. websites. If there are any changes/ corrections in the NIT/ tender form/ terms & conditions, my tender is liable to be rejected as per the discretion of MMTC Ltd.
- c. I/We hereby confirm that, all the terms and conditions specified in this NIT/ Tender Form are acceptable to me/us. I/We further confirm that all the required details have been furnished in the appropriate places and if this Tender form is incomplete in any respect on my/our part, then the same is liable to be rejected at the discretion of MMTC Ltd.

Signature _____

Name _____

Designation _____

Company/Firm _____

Date _____

Place _____

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ANNEXURE III

DECLARATION BY BIDDER

I hereby declare that:

Our Company/firm has not been blacklisted/banned/barred/terminated on account of non performance by any Central/State Government Department/quasi government Agencies/ Public Sector Undertaking/Govt. Authority.

Signature _____

Name _____

Designation _____

Company/Firm _____

Date _____

Place _____

NOTICE INVITING TENDER (NIT) FOR CONSTRUCTION OF LABOUR ROOMS AT REGEDA PHC UNDER KARLAMUNDA BLOCK, AT UTKELA PHC UNDER KESINGA BLOCK & AT BENGALON PHC UNDER LANJIGARH BLOCK OF KALAHANDI DISTRICT OF ODISHA THROUGH CSR ACTIVITIES FOR F/Y. 2018-19.

DETAILS OF BASIC ESTIMATED COSTS WITH BILL OF QUANTITIES

(A) CONSTRUCTION OF LABOUR ROOMS AT REGEDA PHC:

The following items of work are included in the Estimate with framed structure.

- 1) R.C.C Coloumns with open Foundation
- 2) R.C.C work in Plinth Beam, Lintel, Roof Beam, Roof Slab.
- 3) Fly Ash Brick Masonary in C.M (1:6) in Foundation & Super Structure.
- 4) 12mm thick C.P(1:6) and 16mm C.P(1:6) in outside and inside surface.
- 5) painting 2coat with plastic paint over putty to inside surface and weather coat to outside surface of building.
- 6) Provision of Flush Door (prelaminated) and Windows with Alluminium Glazed & MS grill for windows.
- 7) Vetrified Tile in Flooring with Ceramic tile for dado.
- 8) Moorum filling, Front yard concreting & Tilling.
- 9) Provision of E.I. & P.H. work .
- 10) List of approved materials: As per the norms of Government of Odisha

GENERAL ABSTRACT OF BASIC ESTIMATED COST- Regda PHC					
Name of Work:-		Civil cost	E.I internal	PH external and Internal	Total
1	Building	Rs16,16,633.00	Rs 2,73,452.00	Rs 2,53,900.00	Rs 21,43,985.00
2	approach	Rs1,91,102.00			Rs 1,91,102.00
	Sub-Total	Rs 18,07,735.00	Rs 2,73,452.00	Rs2,53,900.00	Rs 23,35,087.00

N.B. The estimate has been prepared as per current schedule of rate-2014 (Post GST) and enhanced labour rate. The standared specifications of Government of Odisha will be followed during the execution of work.

(A) I. REGDA PHC LABOR ROOM: CIVIL CONSTRUCTION WITH APPROACH ROAD**Construction of Labour Room at Regda PHC for the year 2018-19.**

Sl No	Description of items	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
1	Earth work in excavation of foundation in hard soil with all leads and lifts including dressing the sides and levelling the bed and depositing the excavated earth at places away from work site with all leads and lifts including cost of all labour and T&P,royalty etc. complete and as directed by the Engineer-in-charge.				
		Cum	130.73	167.80	21936.49
2	Filling in foundation & plinth with sand in 22.5cm(9") thick layers including watering and ramming with all cost conveyance royalty, taxes of the materials and labour with T&P required for the work etc. complete or as directed by the Engineer-in-charge.				
		Cum	79.47	288.70	22942.99
3	Plain Cement concrete (1:3:6) with 4cm size C.B, h.g metal of approved quality and from approved quarry including hoisting,lowering, and laying in layers to 10cm(4") thick to required level, ramming,watering including all cost & conveyance of all materials and labour with T&P required for the work with all taxes and royalties complete in all respects and as directed by the EIC.				
		Cum	36.15	4058.40	146711.16
4	Cement concrete (1:2:4) with 12mm size C.B, h.g chips of approved quality and from approved quarry including hoisting,lowering, and laying, ramming,watering including all cost & conveyance of all materials and labour with T&P required for the work with all taxes and royalties complete in all respects and as directed by the EIC.				
		Cum	10.91	5340.70	58267.04

5	Fly ash brick masonry in cement mortar(1:6) after immersing bricks for six hours in water before use in super structure using clamp burnt bricks of size (23 x 11 x 8 cm) having a crushing strength of not less than 50 Kg/Cm ² including splays cutting circular moulding chmfering and corbelling watering and curing et complete including cost and conveyance of all materials and labour with T&P required for the work with all taxes and royalties etc. complete in all respect or as directed by the Engineer-in-charge.				
		Cum	25.31	3885.50	98342.01
6	Supplying fitting, with Straightening, cutting, bending, cranking, hooking, welding or jointing (if required) the HYSD steel and binding wires and binding, tying the grills, hoisting, lowering and placing in proper position as required for R.C.C. works and for providing cost, conveyance and taxes of M.S. rods or Tor steel including binding wires of 18 to 20 gauge and labour with all T&P required for the work etc. completefor ground floor or as directed by the Engineer-in-charge.				
		Qtl	35.46	6316.30	223976.00
7	Reinforced cement concrete (1:11/2:3) in foundation , column, beam, slab using 12mm size h.g, C.B. broken hard granite chips of approved quality and from approved quarry including hoisting, lowering and laying in layers not exceeding 15cm thick to the required level ,ramming,watering and curing etc. including all cost of material, labour, with T&P and taxes of materials etc. required for work and as per direction of Engineer-in-charge.				
a	Coloumn Base	Cum	7.68	6189.70	47536.90
b	Coloumn & beam	Cum	7.31	13596.40	99389.68
c	Grade beam	Cum	3.75	6675.30	25032.38
d	Roof Slab	Cum	7.97	10605.70	84527.43
e	Lintel	Cum	2.22	10575.80	23478.28
f	Chhaja	Sqm	6.86	897.50	6156.85
g	Window seal	Cum	0.16	10575.80	1692.13
h	shelves	Sqm	2.23	824.10	1837.74

8	Fly Ash brick masonry in cement mortar(1:6) after immersing bricks for six hours in water before use in super structure using Fly Ash bricks of size (23 x 11 x 8 cm) having a crushing strength of not less than 50 Kg/Cm ² including splays cutting circular moulding chmfering and corbelling watering and curing et complete including cost and conveyance of all materials and labour with T&P required for the work with all taxes and royalties etc. complete in all respect or as directed by the Engineer-in-charge.				
		Qtl	81.27	4055.18	329564.48
9	Fixing Vetrified tiles in floors on 16mm thick bed of cement mortar (1 : 4) joined with neat cement slury mixed with pigment to match the shades of the tiles including cost of tiles & rubbing and polishing etc.complete.				
		Sqm	116.19	804.20	93440.00
10	Fixing ceramic tiles in dados skirting and riser of steps on 16mm thick bed of cement mortar (1 : 3) joined with neat cement slury mixed with pigment to match the shades of the tiles including cost of tiles & rubbing and polishing etc.complete..				
		Sqm	118.98	967.70	115136.95
11	20mm thick Grading Plaster (1:4)c.m on roof slab including cost and conveyance of all materials and labour with T&P required for the work with all taxes and royalties etc. complete in all respect or as directed by the Engineer-in-charge.				
		Sqm	79.24	226.30	17932.01
12	16mm thick cement plaster (1:6) over Brick / stone massonary finished smooth including watering and curing with cost and conveyance of all materials and labour with T&P required for the work with all taxes and royalties etc. complete in all respect in all floors or as directed by the Engineer-in-charge				
		Sqm	183.71	177.30	32571.78
13	12mm thick cement plaster (1:6) over Brick / stone massonary finished smooth including watering and curing with cost and conveyance of all materials and labour with T&P required for the work with all taxes and royalties etc. complete in all respect in all floors or as directed by the Engineer-in-charge				
		Sqm	158.47	118.10	18715.31

14	20mm thick cement plaster (1:6) over Brick / stone massonary finished smooth including watering and curing with cost and conveyance of all materials and labour with T&P required for the work with all taxes and royalties etc. complete in all respect in all floors or as directed by the Engineer-in-charge				
		Sqm	39.83	186.60	7432.28
15	Providing, fitting and fixing of AI door with OEL anodized AI door section of 9202 as vertical member 9201 as top member and 9200 as bottom and middle member and 6 mm plain glass in top portion with qwmm thick pre-laminated board fixed on door frame by means of tapered clip No 4660 and the frame to be completed by means of jointing angle No 1855 including all cost of labour T&P, hire charge of drilling machine labour charges etc complete.				
		Sqm	15.28	7993.60	122142.21
16	Providing, fitting and fixing up window (sliding type) made up aluminum section 151 - 154, 155-154, as windows frame section No. 151-155, 151-153 and 151-167 as shouter frame with 5mm thick black glass as panel fitted with rubber beading including locking arrangement including all fitting including cost of materials all taxes labour t&P etc complete as per direction of EIC.				
		Sqm	10.82	7101.20	76834.98
17	Suppling ,fixing,fitting M.S.grill and grill door and windows as per approved design including allcost,conveyance, royaltyof material,labour , with T&P required for the work etc. as per direction of EIC.				
		Kg	486.00	85.00	41310.00
18	Fitting, fixing iron shutter M.S. panalled door with M.S. frame and M.S. panalled window with M.S. frame and grill in position etc including fixing in cement concrete CC (1:3:6) with 12mm to 20mm hard stone chips or in cement mortar (1:3) including labour with T&P required for the work with all taxes and royalties etc. complete in all respect in all floors or as directed by the Engineer-in-charge				
		Kg	15.05	356.87	5370.89
19	White washing 3 coats with shell lime over plastered surface.				
		Sqm	440.95	16.80	7407.96

20	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				
		Sqm	236.45	64.30	15203.74
21	Wall painting 2 coats with Plastic paint of approved shade on new work to give an even shade excluding cost of paint.				
		Sqm	236.45	72.50	17142.63
22	Wall painting 2 coats with Weather coat of approved shade on new work to give an even shade including cost of paint etc conveyance, royalties and taxes of all materials and labour with T&P require for the work etc complete in all respect in all follrs or as directed by the EIC				
		Sqm	198.30	66.90	13266.27
23	Painting 2 (Two) coats with any approved enamel paint over a coat of priming to new wood work and iron work including cost of the primer and paint sand papering polishing the surface with cost conveyance and taxes of all materials and labour with T&P required for the work etc. complete in all respect or as directed by the EIC.				
		Sqm	15.05	171.40	2579.57
24	Labour for collecting moorum conveying & spreading and consolidation with HRR including watering , cost and conveyance of all materials and labour with T&P required for the work with all taxes and royalties etc. completer as directed by the Engineer-in-charge				
		Cum	51.53	579.40	29856.48
				Sub-Total	1807734.59
				Say Rs	18,07,735.00

II. ELECTRICAL INSTALLATIONS- INTERNAL – REGDA PHC:

Estimate for E.I. to Labour room of PHC at Regeda under R.W.Electrical Section, Bhawanipatna.					
Sl. No.	Description of Items	Unit	Qty	Rate	Amount
1	Recessed wiring to light point with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked with 20 mm dia non-metalic PVC flexible conduit with 5Amp, 250 V piano type modular switch ISI marked and ceiling rose ISI marked mounted on MS box having front Modular base & cover of suitable size , MS box with 1 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire including all accessories and connection as per direction of Engineer in Charge. (Make of wire Finolex/ L&T / Anchor / Havels /HPL/ V Guard)				
a	-do- Group A	Point	7	429.25	₹ 3,004.75
b	-do- Group B	Point	7	594.89	₹ 4,164.23
c	-do- Group C	Point	6	798.91	₹ 4,793.46
2	Recessed wiring to Fan Point in...				
a	-do- Group B	Point	4	594.89	₹ 2,379.56
3	Recessed wiring to Call Bell Point in...				
a	-do- Group C	Point	1	798.91	₹ 798.91
4	Recessed wiring to Exhaust Fan Point in.....				
a	-do- Group C	Point	1	798.91	₹ 798.91
5	S/F of Angle holder replacing Ceiling Rose	Each	9	10.00	₹ 90.00
6	S/F of 5A. Modular Switch & 5A. Modular Socket outlet of ISI marked on existing board	Each	7	204.60	₹ 1,432.20
7	S/F of extension board of 6 modular Metal box with modular base & cover in recess including providing and fixing of 2 nos of 3pin 5/6amp modular socket out let & 2 nos of 5/6 amp piano type modular switch, connection, painting etc as required.	Each	2	712.61	₹ 1,425.22
8	S/F of Power point with 4 modular metal box with modular base & cover in recess including providing and fixing of 5 pin 15/16 amp. piano type Modular switch & Socket, connection, painting etc as required	Each	4	573.76	₹ 2,295.04
9	S/F of 2 nos of 5 pin 15/16 amp. Socket & 2 nos of 15/16A top, Power point with metal box of 180mm x 100mm x 60mm deep (Normal size) in recess with suitable size of phenolic laminated sheet cover in front with connection, painting etc as required for Inverter connection	Each	1	702.99	₹ 702.99
10	S/F of 18 SWG Modular metal box of following sizes (Nominal size) in recess with suitable size of Modular base & cover in front including cutting the wall and making good the same in case of recessed conduit as required.				
a	2 Modular box with base & cover	Each	1	185.84	₹ 185.84
b	6 Modular box with base & cover	Each	2	303.41	₹ 606.82
c	8 Modular box with base & cover	Each	2	345.24	₹ 690.48

d	12 Modular box with base & cover	Each	3	458.00	₹ 1,374.00
11	Wiring for circuit / sub-main wiring along with earth wire with following sizes of PVC insulated single core multistrand copper conductor with ISI marked conforming to IS-694/1990 in 20mm dia non metallic heavy duty flexible conduit 1.6mm in recessed PVC conduit as required (Make of wire - Finolex/L&T/Anchor/Havels/V-guard)				
a	2x1.5+1x1.0 (1.8)	Mtrs	30	100.06	₹ 3,001.80
b	2x2.5+1x1.5 (1.8.2)	Mtrs	80	115.03	₹ 9,202.40
c	2x4+1x1.5 (1.8.3)	Mtrs	55	132.41	₹ 7,282.55
d	2x6+1x2.5 (1.8.4)	Mtrs	15	163.49	₹ 2,452.35
e	Inverter wiring (1x1.05mm) Copper wire (1.19.1)	mtrs	60	32.88	₹ 1,972.80
12	S/F of 'B/C/D' series SP MCB of 5 - 32A amp rating (As per direction of engineer in charge) 240Volt for lighting and other loads in the existing MCB Distribution board ISI marked complete with connection, testing and commissioning etc. as required single pole (SP) (2.6.1)	Each	6	118.21	₹ 709.26
13	S/F of 'B/C/D' series DP MCB of 5 - 32A amp rating (As per direction of engineer in charge) 240Volt for lighting and other loads in the 2 Way double door MCB Distribution board ISI marked complete with connection, testing and commissioning etc. as required (2.6.2a)+(2.3.1b)	Each	2	913.96	₹ 1,827.92
14	Supply, Installation testing & commissioning of Main Switches (IS13940 part 3/1993) of following capacity on existing surface/wall mounting & complete with H.R.C fuse links, inter connections earthing etc as required as per direction of Engineer Incharge (Make-Seimens/HPL/Anchor/L&T /Havels/C&S/R. K.)				
a	S/F of MCB 8 way Double door (2.3.6)	Each	1	1567.00	₹ 1,567.00
15	Supply, Installation testing & commissioning of Main Switches (IS13940 part 3/1993) of following capacity on existing surface/wall mounting & complete with H.R.C fuse links, inter connections earthing etc as required as per direction of Engineer Incharge (Make-Seimens/HPL/Anchor/L&T /Havels/C&S/R. K.)				
a	S/F of 63A. ICTPN main switch (2.15.3)	Each	1	2548.03	₹ 2,548.03
b	S/F of 63A. TPN Bus bar	Each	1	3607.14	₹ 3,607.14
16	Earthing with G.I. Earth pipe 3 mtr Long 40mm dia ISI marked including accessories & providing masonry enclosure with cover plate having locking arrangement & watering pipe with charcoal & salt as required (3.2)	Set	2	2170.25	₹ 4,340.50
17	Supply & laying 6 SWG G.I. wire in recess for loop earthing as required (3.17)	Mtrs	12	38.08	₹ 456.96
18	Providing & fixing plain 16/0.2mm twin twisted flexible, FR PVC insulated copper cable in polythene sleeve or conduit of suitable size on the floor/wall or side of the table/door etc as required.(1.31)	Mtrs	4	15.40	₹ 61.60
19	Supply, Installation, Testing & Commissioning of exhaust fan upto 450 mm sweep in the existing opening, including making the hole to suit the size of the above fan making good the damaged complete, connection, etc as required. (1.43)	Each	1	1771.00	₹ 1,771.00
20	S/F of Call bell/Buzzer(Ding dong type) ISI marked suitable for DC/AC single phase 230 volts complete as required. (1.30)	Each	1	105.03	₹ 105.03
21	S/F of 18-25Watt L.E.D Tube light fitting with all accessories and connections (Make:HPL-Neptune Havells-Elite LED Pride Plus/PAC/Crompton-RetroPLL)	Each	7	657.00	₹ 4,599.00

22	Supply of 1200mm A.C. Ceiling fan with all accessories and connections with out fan regulator (Make:Usha-Striker Millenium/Crompton-Jura /Anchor-XL/Havells-Velocity/Spark/Orient-Summer pride)	Each	4	2401.00	₹ 9,604.00
23	S/F step type fan regulator	Each	4	322.83	₹ 1,291.32
24	Supply & fixing of superior type C.I bulk head fitting with 9W Led Bulb for general domestic use ISI marked square / oval type with premetallic glass cover provided with galvanized steel wire guard including necessary connections. (M-5)	Each	3	532.00	₹ 1,596.00
25	Supply & Fixing of 45-48 Watt single L.E.D street light fitting with LED & Electric driver including all accessories and connections (Make:Crompton/Phillips/HPL/Polycab/Havells)	Each	1	5684.00	₹ 5,684.00
26	S/F of electronic 12w Watt LED Bulb	Each	9	284.54	₹ 2,560.86
27	S/F of fan hook 'S' type made of 16 mm MS rod for fixing in the Existing RCC Roof.	Each	4	204.00	₹ 816.00
28	S/F of 5KVA Main line Voltage stabilizer 90V to 300V(V guard/ Shakti) with angle frame to rest the stabilize	Each	1	14172.35	₹ 14,172.35
29	S/F of 3 star 1.5 Ton split A.C.(Make- Carrer/Llyod) with 4 KVA Voltage stabilizer (Make- v guard/shakti)	Each	2	63341.90	₹ 1,26,683.80
30	S/F of 25 amp motor starter/A.C. Starter switch with all connections(Make-Anchor/Havells)	Each	2	496.46	₹ 992.92
31	S/F of 1100 VA 12V Inverter(Make- Luminous/Microtek) with 1 nos. of tall tubular 150 Ah battery(Make-Luminous/Excide)	Each	1	27056.79	₹ 27,056.79
29	Provision of Armoured cable size 4x16sqmm (39)	Mtrs	50	171.00	₹ 8,550.00
30	Laying of MV cable upto 25sqmm in ground (5.1.1)	Mtrs	40	104.90	₹ 4,196.00
	SUB-TOTAL				₹ 2,73,451.79

III. "PH works to Labour Room Building at Regda in Kalahandi District."

Sl. No	Description of items	Qty.	Unit	Rate, Rs.	Amount, Rs
1	Earthwork in all kinds of soil with in 50mtr initial lead & 1.5mtr initial lift including rough dressing & breaking of clods to maximum 5cm to 7cm & laying in layers not exceeding 0.30mtr in depth & as per the direction of E.I.C.				
a.	1st depth-1x2.55mx1.80mx1.50m=6.885cum	6.885	cum	181.53	1249.83
b.	2nd depth-1x2.55mx1.80mx0.60m=2.754cum	2.754	cum	194.87	536.67
2	Supplying all materials, labour, T&P and filling in F&P with river sand well watered and rammed including conveyance of all materials to worksite, payment of royalty, taxes etc. all complete as per direction of E.I.C.				
	TR-1x1.80mx1.25mx0.075m =0.168cum	0.856	cum	413.9	354.30
	ST-1x2.55mx1.80mx0.15m =0.688cum				
3	Supplying all materials, labour, T&P and providing cement concrete (1:3:6) with 40mm H.G metal including watering, curing and conveyance of all materials to site payment of royalty, taxes etc all complete as per and direction of the E.I.C				
	S.T-1x2.55mx1.80mx0.10m=0.459cum	0.459	cum	4252.70	1951.99
4	Supplying all materials, labour, T&P and providing cement concrete (1:1.5:3) with 12mm size HBG chips including watering, curing and conveyance of all materials to site payment of royalty, taxes etc all complete as per and direction of the E.I.C.				
	ST-1x2.55mx1.80mx0.20m=0.918cum	0.960	cum	6102.10	5858.02
	1x1.50mx0.75mx0.0375m =0.042cum				
5	Supplying all materials, labour, T&P and providing Brick work with KB.Brick having crushing strength not less than 75kg/cm ² with dimensional tolerance of +/-8% in cm(1:4) including watering, curing, conveyance of all materials to work site, payment of royalty, taxes etc all complete as per P.H specification and direction of E.I.C.				
	2(2.00m+0.75m) x0.25mx0.60m =0.825cum	3.187	cum	3885.60	12383.41
	2(2.25m+0.75m) x0.375mx1.05m=2.362cum				
6	Supplying all materials, labour, T&P and providing 12mm thick CP in cm(1:3) with punning on brick work including watering, curing, conveyance of all materials to work site payment of royalty, taxes etc. all complete as per specification and direction of E.I.C.				
	1x1.50mx0.75m=1.125sqm	8.550	sqm	174.90	1495.40
	2(1.50m+0.75m)1.65m=7.425cum				
7	Supplying all labour T&P and making m.s step iron in 20mm dia m.s steel bar and fixing into walls of M.H/Septic tank dully embedded as per direction of E.I.C.				
		5.00	each	169.70	848.50
8	Supplying all labour T&P and providing 50mm thick pre cast RCC baffle walls in CC(1:1.5:3) with 12mm size bhg chips fitted and fixed in position and finished smooth etc all complete as per direction of E.I.C.				
	1x1.05mx0.45m=0.472sqm	0.472	sqm	637.00	300.66
9	Supplying all materials, labour T&P and providing rigid and smooth centering and shuttering for RCC works including false work and dismantling then after casting including conveyance of all materials to work site payment of royalty taxes etc all complete as per direction of E.I.C.				
	1x1.50mx0.75m=1.125sqm	2.162	sqm	407.50	881.02
	2(2.00+1.25)mx0.125m=0.812sqm				

	1x1.80mx0.125m=0.225sqm				
10	Supplying all materials ,labour T&P and providing M.S .reinforcement for RCC work including cutting ,bending ,binding and tying the grills and placing the position including cost of binding wire 18 to 20 gauge conveyance of all materialsto work site payment of royalty ,taxes etc all complete as per direction of E.IC.				
	13x1.95m=25.35m	0.185	qntl	5009.40	926.74
	21x1.20m=25.20m				
	8x0.45m=3.60m(-)				
	46.95mx0.395kg/Rmtr=0.185Qtl				
11	Supplying all materials, labour, T & P and providing RCC(1:1.5:3) with 12mm size bhg chips for RCC works including hoisting, laying, watering, curing, conveyance of all materials to work site, payment of royalty, taxes etc all complete as per the direction of E.I.C.				
	1x2.00mx1.25mx0.125m=0.312cum	0.287	cum	6102.10	1751.30
	1x0.45mx0.45mx0.125m=0.025cum(-)				
12	Supplying all materials, labour, T&P and providing 550x550x100mm thick RCCprecast M.H cover in CC(1:1.5:3) using 12mm size hbg chips, placing the cover on the MH/S.Tank & finishing smooth etc all complete including watering, curing, conveyance of all materials to worksite, payment of royalty,taxes etc all complete as per the specification and direction of E.I.C.				
		1.00	each	227.10	227.10
13	Supplying all materials,labour,T&P and providing, fitting and fixing of 110mm dia PVC Tee in wall of ST including filling the recess with cc(1:1.5:3)with 12mm size BHG chip including watering,curing,conveyance of all materials to work site,payment of royalty,taxes etc all complete as per the direction of E.I.C.				
		2.00	each	386.80	773.60
14	Supplying all materials labour ,T&P and providing cement flush pointing (1:3)to brick masonry including watering ,curing ,conveyance of all materialsto worksite payment of royalty taxes etc all complete as per specification and direction of E.I.C.				
	2(2.25+1.50)mx1.05m=7.875sqm	11.775	sqm	128.60	1514.27
	2(2.00+1.25)mx0.60m=3.900sqm				
15	Filling in F&P with excavated materials including watering and ramming as per the direction of E.I.C.				
	Total earthwork=9.639cum	2.531	cum	101.86	257.81
	Sand filling=0.688cum(-)				
	CC(1:3:6)=0.459cum(-)				
	CC1:1.5:3)=0.918cum(-)				
	Bk.Work(1:4)=3.187cum(-)				
	Voids=1x1.5mx0.75mx1.65m=1.856cum(-)				
16	Factory made single leaf rigid FRP(alternately called GRP) sandwich composite door shutter of 32mm thick laminated with two GRP skins with wood grain finish fabricated using UV-stabilised Isophthalic Gelcoat and one layer of 450 gsm E-glass Chopped Strand Mat (CSM) impregnated with orthophthalic polyester resin. The thickness of the skins shall not be less than 1.50mm Expanded Polystyrene(EPS) structural foam panel of 29mm thickness and a density of 20kg/cu.mtr shall be used as core material. Wooden reinforcements made of seasoned sal wood block of cross section not less than 28mmx32mm and also necessary sal wood reinforcements for fitting the metal fittings such as tower bolts, aldrops, handles etc shall be provided. A structural adhesive compatible with (EPS) foam shall be used for bending the core material, the sal wood reinforcements and the skins. The material and process for manufacturing the door shutters shall conform to RV-TIFAC composites Design Centre's standards and specifications and the door shutters tested in conformation to IS: 4020-1998. The finish of door shutter will be plain colour white/ Ivory/ Beige/Light grey/ Mahogany/Teak wood or any other colour using high quality pigments. Three heavy whight mild steel butt hinges type-I(ISI marked) size 100mm are to be fitted on one side of shutter.				

	1x0.75mx1.85m=1.387sqm	1.387	sqm	3181.10	4412.19
17	Factory made FRP(alternately called GRP) door frame of size 75mmx100mm fabricated using E-glass Chopped Strand Mat (CSM) U.V stabilised Inophthalic Gelcoat and impregnated with Inophthalic resin. The thickness of the GRP skins shall not be less than 2.00mm. The door frame consist of four segments which are provided with plug-in-socket arrangement in-situ in the mould. The segments are plugged in and are joined together by means of screw. The GRP frame shall be provided with wooden reinforcement on six locations for high screw holding capacity for for fixing metallic hold fast and shall be consolidated by filling with medium density foam/plaster of paris with fibre reinforcement, Six numbers of 260mm x 25mm x 5mm size 'S' shaped M.S flat hold fast shall be provided with the frame. The material and process for manufacturing the door frames shall conform to RV-TIFAC composites Design Centre's standards and specifications. The finish of door frame will be plain colour white/ Ivory/ Beige/ Light grey/ Golden brown/Mahogany/ Teak wood/sand stone/Champagne/Pastel blue or any other colour using high quality pigments complete in all respect as per specification and direction of the E.I.C				
	1x(0.75m+1.85m+1.85m)=4.45mtr	4.45	mtr	551.70	2455.07
18	Supplying all materials ,labour, T&P and providing CC(1;2;4) with 12mm size and HBG chips including watering, curing, conveyance of all materials to worksite payment of royalty, taxes etc. all complete as per specification and direction of E.I.C.				
	1x1.80mx1.25mx0.05m =0.113cum	0.106	cum	5491.70	582.12
	1x0.50mx0.30mx0.050m=0.007cum(-)				
19	Supplying all materials, labour , T&P and fixing ceramic tiles/marble tiles/chequered tile in floors, treads and landing on 25mm thick bed of cement slurry mixed with pigments to match the shades of the tiles including rubbing and polishing complete as per the specification and direction of E.I.C.				
	1x1.80mx1.25m=2.250sqm	2.287	sqm	954.90	2183.86
	1x0.75mx0.25m=0.187sqm				
	1x0.50mx0.30m=0.150sqm(-)				
20	Supplying all materials, labour, T&P and fixing porcelain glazed tiles/marble tiles/kota tiles /kodappa tiles on 12mm thick CP(1:3) jointed with neat cement slurry mixed with pigments to match the shades of the tiles including rubbing and polishing complete as per the direction of E.I.C.				
	1x5.65mx1.50m=8.475sqm	8.475	sqm	1006.70	8531.78
21	Supplying all materials, labour, T&P and fitting & fixing of OD-UPVC soil waste ventilating pipes and fitting of the following O.D conforming to ISI No.13592/1992 to walls with nails bobbins and wooden plugs or earth work in excavation in all kinds of soil for laying in trenches including jointing with supply of approved rubber lubricant by non-heat application method/as per manufactures specification including testing and refilling and trenches as per direction of E.I.C.				
a.	110mm dia PVC pipe	19.85	mtr	203.30	4035.51
	'P'-Trap to HRB=(1x0.60)m=0.60m				
	'P'-Trap to D/B=(1x0.40)m=0.40m				
	Basin/Sink Waste=1.80m+1.80m=3.60m				
	P/B to LP=2x3.00m+2.75m=8.75m				
	HRB to I/C=(1x1.70)m=1.70m				
	Ventpipe=(3.00+1.80)m=4.80m				
b.	110mm dia PVC'P' trap	4.00	each	299.70	1198.80
c.	110mm dia.PVC S/J/D	1.00	each	296.70	296.70
d.	110mm dia.PVC H.R.Bend	1.00	each	147.30	147.30
e.	110mm dia.PVC Door Bend	3.00	each	204.70	614.10
f.	110mm dia PVC Plain Bend	3.00	each	147.00	441.00
g.	110mm dia PVC offset	1.00	each	180.50	180.50
h.	110mm dia PVC Cowl	2.00	each	77.30	154.60
i	125mm dia CP greatings	3.00	each	67.80	203.40

22	Supplying all materials,labour,T&P and cutting holes through brick/stone masonry walls for taking PVC pipes and fittings including making good the damages etc. all complete as per the P.H. specification and direction of E.I.C.				
a.	375mm thick wall	4.00	each	204.00	816.00
b.	Roof cutting	1.00	each	140.80	140.80
23	Supplying all materials, labour, T&P for fixings water closet, squatting pan (I.W.C pan/ Orissa pattern squatting pan) of ISI mark of (Parry ware/Hind ware/Nycer) dully embedded in CC(1:5:10) using 4cm h.g. metal all complete as per the direction of E.I.C.				
a.	500mm Orissa Pan(White)	1.00	each	2138.40	2138.40
24	Supplying all materials,labour,T&P and fixing wash basin of ISI mark of (Parry ware/Hind ware/Nycer) with hole for pillar taps with cast iron or M.S. brackets painted white including cutting holes in walls and good the damages etc. all complete as per specification and direction E.I.C .				
a.	550mmx400mm size WHB	1.00	each	1740.90	1740.90
25	Supplying all materials,labour,T&P and constructing inspection chamber of the following sizes with cc(1:3: 6)using 40mm size HG metal on bed,1st class K.B brickwork in cm(1:6),moulding & shapping the channel inside & benching with cc(1:1.5:3)using 12mm size HG chips,12mm thick cp(1:3) with punning to inside, cement flush pointing (1:3)to out side,RCC coverslab in cc(1;1.5:3)using 12mm size HG chips with RCC MH cover in excavation in all kinds of soil & refilling the cavity around the chamber including watering, curing, conveyance of all materials to worksite,payment of royalty,taxes etc all complete as per approved specification & direction of the E.I.C.				
a.	Inside size 760mmx760mmx460mm	1.00	each	7302.30	7302.30
26	Supplying all materials,labour,T&P and laying of 110mm dia.PVC pipes,in trenches (to level or slope) and jointing with supply of approved rubber lubricant by non heat application method using 40mm bhg metals on bed of the trench and hunching or allround concrete encasing with CC(1:4:8) using 40mm size h.g metal including curing,conveyance of all materials to worksite,payment of royalty,taxes etc. and testing all complete as per approved drawing,design,specification and direction of E.I.C.				
a.	110mm dia PVC pipe with allround encasing	10.00	mtr	1028.10	10281.00
27	Supplying all material, labour, T&P and constructing soakway pit of the following sizes with dry brick walling from bottom upto invert of inlet pipe and 1st class K.B brickwork in C.M(1: 6) for the remaining height at top, 12mm thick C.P(1: 4) inside and outside over masonry brickwork gravel packing in the rear of well steining, R.C.C cover slab in C.C(1: 1.5: 3) using 12mm size h.g chips fitted with iron lifting handles including earthwork in open well excavation in all kinds of soil and refilling the cavity around the pit & painting the iron work, watering, curing, conveyance of all materials to worksite, payment of royalty, taxes etc. all complete as per approved drawing, specification and direction of E.I.C.				
a.	1.20m dia x 2.00m deep inside size	1.00	each	13677.70	13677.70
28	Supplying all materials,labour,T&P and constructing Leach pit of the following size with 1st class KB brick work in cm(1:4),12mm thick CP(1:4) inside and outside over masonry brickwork upto 0.60mtr deep,RCC coverslab in cc(1:1.5:3)using 12mm HG chips including earthwork in openwell excavation in all kinds of soil and refilling of cavity around the pit,watering,curing,conveyance of all materials to worksite,payment of royalty,taxes etc all complete as per approved specification & direction of the E.I.C.				
a.	1.20m dia x 2.00m deep inside size	2.00	each	14751.40	29502.80
29	Supplying all materials,labour,T&P and fixing of rotational moulded polythene cylindrical water storage tank of 1000litres capacity conforming to IS:1570/1996 including cutting holes through the tank and fixing mild steel tubes and fittings and providing extra tubes and jamnuts including hoisting upto a height of 5mtr above GL and placing the tank on required position and providing masonry staging with 1st class KB brick work in cm(1:6),of 0.46m height,12mm CP(1:6),RCC beam of 0.25mx0.30mx2.60m in RCC(1:1.5:3) using 12mm bhg chips including centering and shuering,cutting,bending,binding of rods etc and watering,curing, conveyance of all materials to worksite including cost of 2000litres water storage tank etc.				
		1.00	each	19586.60	19586.60
30	Supplying all materials,labour,T&P and providing and fixing to wall,ceiling and floor pvc pipes confirming to ASTM-D-1785/89(sch-80)and pipe fittings of the nominal bore with clamps including making good the wall,ceiling and floor all complete as per specification and direction of E.I.C.				
a.	25mm dia PVC Pipe(External)	40.00	mtr	138.60	5,544.00
b.	20mm dia PVC Pipe(Internal)	10.00	mtr	109.50	1,095.00

31	Supplying all materials,labour,T&P and cutting holes for taking G.I/PVC pipes and making good the damages as per the direction of E.I.C.				
		3.00	each	44.30	132.90
32	Supplying all materials,labour,T&P and cutting holes in R.C.C.floors,roofs etc.upto 19cm thick for passing G.I/PVC pipes and fitting etc. and repairing the holes after insertion of pipes etc with cc (1:2:4) including finishing complete so as to make it leak proof as per direction of E.I.C.				
		2.00	each	159.30	318.60
33	Supplying all materials,labour,T&P and cutting grooves in pucca floor and walls for taking G.I/ PVC pipes and making good the damages as per the direction of E.I.C.				
		10.00	mtr	155.50	1,555.00
34	Supplying all materials,labour,T&P and fixing brass/CP fittings conforming to IS 781 of the following nominal bore with supply of all jointsing materials complete as per specification and direction of E.I.C.				
a.	15mm dia C.P Bib Cock(L.B)	2.00	each	820.40	1,640.80
b.	15mm dia C.P Bib cock(S.B)	1.00	each	695.80	695.80
c.	15mm dia C.P Angle Stop Cock	2.00	each	709.70	1,419.40
d.	15mm dia C.P Pillar cock	1.00	each	694.30	694.30
e.	15mm dia C.PConcealed Stop Cock	1.00	each	1074.00	1,074.00
f.	25mm dia brass F.W.V	2.00	each	1054.20	2108.40
35	Supplying all materials,labour,T&P and fitting and fixing 10Ltrs capacity PVC LL flushing cistern of ISI mark of (Parry ware/Hind ware/Nycer) with a pair of C.I/M.S.brackets complete with fittings such as syphonic arrangement,15mm nominal size Brass/ PVC ball valve with polythene float,CP/Brass handle,unions and couplings for connection with inlet,outlet, overflow pipes,32mm dia PVC flush bend,15mm dia PVC connection pipes including cutting holes and making good the same and connecting the flush bend with cistern and closet and connecting inlet pipe with supply main with etc all complete as per specification and direction of the E.I.C				
a.	10 lit PVC L/L Cistern	1.00	each	1451.80	1,451.80
36	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 screw and washer complete as per specification and direction of the E.I.C.				
a.	Plastic moulded frame rectangular shape 453x357mm	1.00	each	624.80	624.80
37	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 specifications and direction of E.I.C.				
		2.00	each	262.40	524.80
38	Supplying all materials,labour,T&P and fixing standard sized CP towel rail complete with CP brass brackets fixed to wooden plugs with CP screws as per specification and direction of E.I.C.				
a.	20mmx450mm long CP towel rail	2.00	each	798.80	1,597.60
39	Supplying all materials,labour,T&P and fixing CP shower with 15mm or 20mm inlet with CP shower arm including polishing all complete as per specification and direction of E.I.C.				
a.	15mmx100mm long	1.00	each	458.30	458.30
40	supplying all labour,T&P materials & fixing wash Kitcken Sink with CI/MS brackets painted white including holes in walls and making good the damages etc. all complete as per P.H specification and direction of E.I.C.				
a.	450mmx400mmx150mm size	1.00	each	2992.60	2992.60
41	<u>Sinking of 125mmx100mm dia Tube well by fast drilling Sofasticated Rig.</u>				-
a.	Labour for drilling of perfectly vertical bore holes as specified dia.For a specified depth rock with down the hole hammer drilling rig combination drilling rig as required to soil,the soil condition as per direction of E.I.C including supply of rigs with all accessories,T&P consumable etc for lowering 125mm dia PVC pipes for casing fitted with sockets,washers and without well screen as per the necessity for the soft,medium and hard formation(PCV/G.D)casing pipes for the over borden is to be provided by the contractor including lowering and drawing after complete of tube well.Tube well(1No).				
i.	Drilling of 125mm dia. Bore-0.00mtr to 30.00mtr	30.00	mtr	480.00	14,400.00
ii.	Drilling of 100mm dia. Bore-30.00mtr to 60.00mtr	30.00	mtr	480.00	

					14,400.00
b	Lowering the following G.I/PVC pipe confirming to ASTM-D-1785/89(sch-80) with or without soltted pipes as per necessity from ground level upto 30.00mtr depth and fitted and fixed in perfectly vertical position including cutting and threading pipes and soltted pipes and supplying and fixing of all jointing material,T&P etc the top of the casing pipe threaded including piping tube well to prevent entry of foreign materials from above(PVC/G.I) supplied by the contractor (including cost of pipe)				
i.	Lowering of 125mm dia PVC pipes:00.00 mtr to30.00mtr	30.00	mtr	70.00	2100.00
ii.	Cost of 125mm dia PVC pipes:-00.00mtr to 30.60mtr	30.60	mtr	566.8	17344.08
c.	Cleaning and developing the tubewell with their own compressor contineously worked till clean and adiqate discharge is obtained from the tube well including supply of & use of all necessary equipments and labour as per the direction of E.I.C.				
		1.00	each	2000.00	2,000.00
42	<u>0.50H.P.Single Phase Submersible Pump Set</u>				-
a.	Supplying of ISI mark 0.50HP Single Phase Verical Submersible Pump Set with discharge of 900-1000ltr /hour and a head of 50-60mtr of reputed make like KSB/Texmo & equivalent including all cost, conveyance and taxes etc all complete as per direction of E-I-C.				
		1.00	each	15849.15	15849.15
b.	Supplying all labour,T&P and fitting and fixing of 0.50HP Single phase vetrical Submersible Pump Set with commissioning and testing etc.all complete as per direction of E.I.C.				
		1.00	each	1316.00	1316.00
c.	Supplying,fitting and fixing of ISI mark DOL Starter of reputed make like BCH or equivalent for 0.50H.P Single Phase Submersible Pump including all cost,conveyance of all taxes etc all complete as per direction of the E.I.C.				
		1.00	each	2809.32	2809.32
d.	Supplying fitting and fixing of three core flat cable(1.5mm ²) of ISI make of reputed company like BCH/ Finolex or Equivalent and connecting the pump and starter including all cost,conveyance and taxes etc all complete as per direction of the E.I.C.				
		50.00	mtr	71.70	3585.00
e.	Supplying fitting and fixing of plastic rope MS Well cover,MS Clamp,stainless steel short piece,bend & socket including all cost ,taxes etc all complete as perdirection of the E.I.C.				
		1.00	each	1660.00	1660.00
f.	Supplying fitting and fixing of HDPE Pipes & pipe fittings with making connection to pump set including all cost conveyance and taxes etc all complete as per direction of the E.I.C.				
		50.00	mtr	63.98	3199.00
43	Supply of all materials,labour,T&P and fitting & fixing of 5 K.W automatic voltage stabilizer having range from 50 Volt to 220 Volt suitable to run 1.00 H.P Submersible pump set including electrical connection from the existing mains & with the control panels of the pump set etc.all complete as per specification and direction of E.I.C.				
		1.00	each	9375.00	9375.00
				Sub-Total	253899.67

The total estimated cost for Regda PHC = I + II + III = Rs 23,35,087.00

LEAD STATEMENT- REGEDA PHC

SI No	Material	Unit	Quarry	Lead in km	Lead cost	Royalty	Material cost	Total Amount
1	2	3	4	5	6	7	8	9
1	HG stone (H.B)	cum	Tujung	20	281.67	130.00	245.41	657.08
2	40mm size metal (C.B.)	cum	Tujung	20	281.67	130.00	724.76	1136.43
3	20mm size chips (C.B.)	cum	Tujung	20	281.67	130.00	1046.67	1458.34
4	12 mm HGCB chips	cum	Tujung	20	281.67	130.00	1063.81	1475.48
5	10 mm HGCB chips	cum	Tujung	20	281.67	130.00	1095.24	1506.91
6	6.7 mm HG CB chips	cum	Tujung	20	281.67	130.00	775.24	1186.91
7	Sand for filling	cum	Tel	5	149.67	35.00	53.33	238.00
8	Sand for mortar	cum	Tel	5	149.67	35.00	56.19	240.86
9	Moorum	cum	local	5	149.67	35.00	47.62	232.29
10	C.B. Bricks	1000 nos	local	10	466.00		2726.81	3192.81
11	Fly ash Bricks	1000 nos	Sripali	25	703.76		3495.32	4199.08
12	Cement	Qntl	Kesinga	42	46.62		480.00	526.62
13	Steel (SAIL)	MT	Kesinga	42	466.23		47372.88	47839.11
14	Tiles	Sqm	Kesinga	42	13.52			13.52

Labour	Rs	280.00	Per Day
Semiskilled Labour	Rs	330.00	Per Day
Second class Mason	Rs	370.00	Per Day
First class Mason	Rs	430.00	Per Day

NOTICE INVITING TENDER (NIT) FOR CONSTRUCTION OF LABOUR ROOMS AT REGEDA PHC UNDER KARLAMUNDA BLOCK, AT UTKELA PHC UNDER KESINGA BLOCK & AT BENGALON PHC UNDER LANJIGARH BLOCK OF KALAHANDI DISTRICT OF ODISHA THROUGH CSR ACTIVITIES FOR F/Y. 2018-19.

(B) DETAILS OF ESTIMATE WITH B.O.Q.S FOR CONSTRUCTION OF LABOUR ROOMS AT UTKELA PHC, DIST. KALAHANDI

The following items of work are included in the Estimate with framed structure.

- 1) R.C.C Coloumns with open Foundation
- 2) R.C.C work in Plinth Beam, Lintel, Roof Beam, Roof Slab.
- 3) Fly Ash Brick Masonary in C.M (1:6) in Foundation & Super Structure.
- 4) 12mm thick C.P(1:6) and 16mm C.P(1:6) in outside and inside surface.
- 5) painting 2coat with plastic paint over putty to inside surface and weather coat to outside surface of building.
- 6) Provision of Flush Door (prelaminated) and Windows with Alluminium Glazed & MS grill for windows.
- 7) Vetrified Tile in Flooring with Ceramic tile for dado.
- 8) Moorum filling
- 9) Front yard Concreting & tiling
- 10) Construction of main Gate
- 11) Provision of E.I. & P.H. work
- 12) List of approved materials: As per norms of Government of Odisha

BASIC ESTIMATE OF CONSTRUCTION OF LABOUR ROOMS AT UTKELA PHC					
Name of Work:-		Civil cost	E.I internal	PH external and Internal	Total
1	Building	Rs15,94,358.00	Rs 2,73,452.00	Rs 2,53,900.00	Rs 21,21,710.00
2	approach	Rs2,20,002.00			Rs 2,20,002.00
	Sub-Total	Rs 18,14,360.00	Rs 2,73,452.00	Rs2,53,900.00	Rs 23,41,712.00

N.B. The estimate has been prepared as per current schedule of rate-2014 (Post GST) and enhanced labour rate. The standared specifications of Government of Odisha will be followed during the execution of work.

(B) I. Construction of Labour Room at Utkela PHC for the year 2018-19- Civil construction with approach road works.

Sl No	Description of items	Unit	Quantity	Rate	Amount
1	Earth work in excavation of foundation in hard soil with all leads and lifts including dressing the sides and levelling the bed and depositing the excavated earth at places away from work site with all leads and lifts including cost of all labour and T&P,royalty etc. complete and as directed by the Engineer-in-charge.				
		Cum	131.69	167.80	22097.58
2	Filling in foundation & plinth with sand in 22.5cm(9") thick layers including watering and ramming with all cost conveyance royalty, taxes of the materials and labour with T&P required for the work etc. complete or as directed by the Engineer-in-charge.				
		Cum	77.12	288.70	22264.54
3	Plain Cement concrete (1:3:6) with 4cm size C.B, h.g metal of approved quality and from approved quarry including hoisting,lowering, and laying in layers to 10cm(4") thick to required level, ramming,watering including all cost & conveyance of all materials and labour with T&P required for the work with all taxes and royalties complete in all respects and as directed by the EIC.				
		Cum	31.85	3937.80	125418.93
4	Cement concrete (1:2:4) with 12mm size C.B, h.g chips of approved quality and from approved quarry including hoisting,lowering, and laying, ramming,watering including all cost & conveyance of all materials and labour with T&P required for the work with all taxes and royalties complete in all respects and as directed by the EIC.				
		Cum	7.86	5198.80	40862.57
5	Fly ash brick masonry in cement mortar(1:6) after immersing bricks for six hours in water before use in super structure using clamp burnt bricks of size (23 x 11 x 8 cm) having a crushing strength of not less than 50 Kg/Cm ² including splays cutting circular moulding chmfering and corbelling watering and curing et complete including cost and conveyance of all materials and labour with T&P required for the work with all taxes and royalties etc. complete in all respect or as directed by the Engineer-in-charge.				
		Cum	25.31	3771.60	95459.20

6	Supplying fitting, with Straightening, cutting, bending, cranking, hooking, welding or jointing (if required) the HYSD steel and binding wires and binding, tying the grills, hoisting, lowering and placing in proper position as required for R.C.C. works and for providing cost, conveyance and taxes of M.S. rods or Tor steel including binding wires of 18 to 20 gauge and labour with all T&P required for the work etc. complete for ground floor or as directed by the Engineer-in-charge.				
		Qtl	38.78	6288.30	243860.27
7	Reinforced cement concrete (1:11/2:3) in foundation , column, beam, slab using 12mm size h.g, C.B. broken hard granite chips of approved quality and from approved quarry including hoisting, lowering and laying in layers not exceeding 15cm thick to the required level ,ramming,watering and curing etc. including all cost of material, labour, with T&P and taxes of materials etc. required for work and as per direction of Engineer-in-charge.				
a	Coloumn Base	Cum	8.86	6019.60	53333.66
b	Coloumn & beam	Cum	8.48	13426.30	113855.02
c	Grade beam	Cum	3.75	6505.20	24394.50
d	Roof Slab	Cum	7.97	10435.60	83171.73
e	Lintel	Cum	2.22	10405.70	23100.65
f	Chhaja	Sqm	6.86	886.40	6080.70
g	Window seal	Cum	0.16	10405.70	1664.91
h	shelves	Sqm	2.23	816.40	1820.57
8	Fly Ash brick masonry in cement mortar(1:6) after immersing bricks for six hours in water before use in super structure using Fly Ash bricks of size (23 x 11 x 8 cm) having a crushing strength of not less than 50 Kg/Cm ² including splays cutting circular moulding chmfering and corbelling watering and curing et complete including cost and conveyance of all materials and labour with T&P required for the work with all taxes and royalties etc. complete in all respect or as directed by the Engineer-in-charge.				
		Qtl	81.27	3941.28	320307.83
9	Fixing Vetrified tiles in floors on 16mm thick bed of cement mortar (1 : 4) joined with neat cement slury mixed with pigment to match the shades of the tiles including cost of tiles & rubbing and polishing etc.complete.				
		Sqm	105.04	801.40	84179.06

10	Fixing ceramic tiles in dados skirting and riser of steps on 16mm thick bed of cement mortar (1 : 3) joined with neat cement slurry mixed with pigment to match the shades of the tiles including cost of tiles & rubbing and polishing etc.complete..				
		Sqm	118.98	964.00	114696.72
11	20mm thick Grading Plaster (1:4)c.m on roof slab including cost and conveyance of all materials and labour with T&P required for the work with all taxes and royalties etc. complete in all respect or as directed by the Engineer-in-charge.				
		Sqm	79.24	224.00	17749.76
12	16mm thick cement plaster (1:6) over Brick / stone massonary finished smooth including watering and curing with cost and conveyance of all materials and labour with T&P required for the work with all taxes and royalties etc. complete in all respect in all floors or as directed by the Engineer-in-charge				
		Sqm	183.71	176.20	32369.70
13	12mm thick cement plaster (1:6) over Brick / stone massonary finished smooth including watering and curing with cost and conveyance of all materials and labour with T&P required for the work with all taxes and royalties etc. complete in all respect in all floors or as directed by the Engineer-in-charge				
		Sqm	172.40	117.20	20205.28
14	20mm thick cement plaster (1:6) over Brick / stone massonary finished smooth including watering and curing with cost and conveyance of all materials and labour with T&P required for the work with all taxes and royalties etc. complete in all respect in all floors or as directed by the Engineer-in-charge				
		Sqm	39.83	185.00	7368.55
15	Providing, fitting and fixing of AI door with OEL anodized AI door section of 9202 as vertical member 9201 as top member and 9200 as bottom and middle member and 6 mm plain glass in top portion with qwmm thick pre-laminated board fixed on door frame by means of tapered clip No 4660 and the frame to be completed by means of jointing angle No 1855 including all cost of labour T&P, hire charge of drilling machine labour charges etc complete.				
		Sqm	15.28	7993.60	122142.21

16	Providing, fitting and fixing up window (sliding type) made up aluminum section 151 - 154, 155-154, as windows frame section No. 151-155, 151-153 and 151-167 as shutter frame with 5mm thick black glass as panel fitted with rubber beading including locking arrangement including all fitting including cost of materials all taxes labour t&P etc complete as per direction of EIC.				
		Sqm	10.82	7101.20	76834.98
17	Suppling ,fixing,fitting M.S.grill and grill door and windows as per approved design including allcost,conveyance, royaltyof material,labour , with T&P required for the work etc. as per direction of EIC.				
		Kg	772.00	85.00	65620.00
18	Fitting, fixing iron shutter M.S. panalled door with M.S. frame and M.S. panalled window with M.S. frame and grill in position etc including fixing in cement concrete CC (1:3:6) with 12mm to 20mm hard stone chips or in cement mortar (1:3) including labour with T&P required for the work with all taxes and royalties etc. complete in all respect in all floors or as directed by the Engineer-in-charge				
		Kg	21.69	356.87	7740.51
19	White washing 3 coats with shell lime over plastered surface.				
		Sqm	454.88	16.80	7641.98
20	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				
		Sqm	236.45	64.30	15203.74
21	Wall painting 2 coats with Plastic paint of approved shade on new work to give an even shade excuding cost of paint.				
		Sqm	236.45	72.50	17142.63
22	Wall painting 2 coats with Weather coat of approved shade on new work to give an even shade including cost of paint etc conveyance, royalties and taxes of all materials and labour with T&P require for the work etc complete in all respect in all follrs or as directed by the EIC				
		Sqm	212.23	66.90	14198.19

23	Painting 2 (Two) coats with any approved enamel paint over a coat of priming to new wood work and iron work including cost of the primer and paint sand papering polishing the surface with cost conveyance and taxes of all materials and labour with T&P required for the work etc. complete in all respect or as directed by the EIC.				
		Sqm	21.69	171.40	3717.67
24	Labour for collecting moorum conveying & spreading and consolidation with HRR including watering , cost and conveyance of all materials and labour with T&P required for the work with all taxes and royalties etc. completer as directed by the Engineer-in-charge				
		Cum	51.53	579.40	29856.48
				Total	1814360.12
	Sub-total			Say Rs.	18,14,360.00

II.Estimate for Electrical Installation to Labour room of PHC at Utkela under R.W.Electrical Section, Bhawanipatna.

Estimate for E.I. to Labour room of PHC at Utkela under R.W.Electrical Section, Bhawanipatna.					
Sl. No.	Description of Items	Unit	Qty	Rate	Amount
1	Recessed wiring to light point with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked with 20 mm dia non-metalic PVC flexible conduit with 5Amp, 250 V piano type modular switch ISI marked and ceiling rose ISI marked mounted on MS box having front Modular base & cover of suitable size , MS box with 1 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire including all accessories and connection as per direction of Engineer in Charge. (Make of wire Finolex/ L&T / Anchor / Havels /HPL/ V Guard)				
a	-do- Group A	Point	7	429.25	₹ 3,004.75
b	-do- Group B	Point	7	594.89	₹ 4,164.23
c	-do- Group C	Point	6	798.91	₹ 4,793.46
2	Recessed wiring to Fan Point in...				
a	-do- Group B	Point	4	594.89	₹ 2,379.56
3	Recessed wiring to Call Bell Point in...				
a	-do- Group C	Point	1	798.91	₹ 798.91
4	Recessed wiring to Exhaust Fan Point in.....				
a	-do- Group C	Point	1	798.91	₹ 798.91
5	S/F of Angle holder replacing Ceiling Rose	Each	9	10.00	₹ 90.00
6	S/F of 5A. Modular Switch & 5A. Modular Socket outlet of ISI marked on existing board	Each	7	204.60	₹ 1,432.20
7	S/F of extension board of 6 modular Metal box with modular base & cover in recess including providing and fixing of 2 nos of 3pin 5/6amp modular socket out let & 2 nos of 5/6 amp piano type modular switch, connection, painting etc as required.	Each	2	712.61	₹ 1,425.22
8	S/F of Power point with 4 modular metal box with modular base & cover in recess including providing and fixing of 5 pin 15/16 amp. piano type Modular switch & Socket, connection, painting etc as required	Each	4	573.76	₹ 2,295.04
9	S/F of 2 nos of 5 pin 15/16 amp. Socket & 2 nos of 15/16A top, Power point with metal box of 180mm x 100mm x 60mm deep (Normal size) in recess with suitable size of phenolic laminated sheet cover in front with connection, painting etc as required for Inverter connection	Each	1	702.99	₹ 702.99
10	S/F of 18 SWG Modular metal box of following sizes (Nominal size) in recess with suitable size of Modular base & cover in front including cutting the wall and making good the same in case of recessed conduit as required.				
a	2 Modular box with base & cover	Each	1	185.84	₹ 185.84
b	6 Modular box with base & cover	Each	2	303.41	₹ 606.82
c	8 Modular box with base & cover	Each	2	345.24	₹

					690.48
d	12 Modular box with base & cover	Each	3	458.00	₹ 1,374.00
11	Wiring for circuit / sub-main wiring along with earth wire with following sizes of PVC insulated single core multistrand copper conductor with ISI marked conforming to IS-694/1990 in 20mm dia non metallic heavy duty flexible conduit 1.6mm in recessed PVC conduit as required (Make of wire - Finolex/L&T/Anchor/Havels/V-guard)				
a	2x1.5+1x1.0 (1.8)	Mtrs	30	100.06	₹ 3,001.80
b	2x2.5+1x1.5 (1.8.2)	Mtrs	80	115.03	₹ 9,202.40
c	2x4+1x1.5 (1.8.3)	Mtrs	55	132.41	₹ 7,282.55
d	2x6+1x2.5 (1.8.4)	Mtrs	15	163.49	₹ 2,452.35
e	Inverter wiring (1x1.0smm) Copper wire (1.19.1)	mtrs	60	32.88	₹ 1,972.80
12	S/F of 'B/C/D' series SP MCB of 5 - 32A amp rating (As per direction of engineer in charge) 240Volt for lighting and other loads in the existing MCB Distribution board ISI marked complete with connection, testing and commissioning etc. as required single pole (SP) (2.6.1)	Each	6	118.21	₹ 709.26
13	S/F of 'B/C/D' series DP MCB of 5 - 32A amp rating (As per direction of engineer in charge) 240Volt for lighting and other loads in the 2 Way double door MCB Distribution board ISI marked complete with connection, testing and commissioning etc. as required (2.6.2a)+(2.3.1b)	Each	2	913.96	₹ 1,827.92
14	Supply, Installation testing & commissioning of Main Switches (IS13940 part 3/1993) of following capacity on existing surface/wall mounting & complete with H.R.C fuse links, inter connections earthing etc as required as per direction of Engineer Incharge (Make-Seimens/HPL/Anchor/L&T /Havels/C&S/R. K.)				
a	S/F of MCB 8 way Double door (2.3.6)	Each	1	1567.00	₹ 1,567.00
15	Supply, Installation testing & commissioning of Main Switches (IS13940 part 3/1993) of following capacity on existing surface/wall mounting & complete with H.R.C fuse links, inter connections earthing etc as required as per direction of Engineer Incharge (Make-Seimens/HPL/Anchor/L&T /Havels/C&S/R. K.)				
a	S/F of 63A. ICTPN main switch (2.15.3)	Each	1	2548.03	₹ 2,548.03
b	S/F of 63A. TPN Bus bar	Each	1	3607.14	₹ 3,607.14
16	Earthing with G.I. Earth pipe 3 mtr Long 40mm dia ISI marked including accessories & providing masonry enclosure with cover plate having locking arrangement & watering pipe with charcoal & salt as required (3.2)	Set	2	2170.25	₹ 4,340.50
17	Supply & laying 6 SWG G.I. wire in recess for loop earthing as required (3.17)	Mtrs	12	38.08	₹ 456.96
18	Providing & fixing plain 16/0.2mm twin twisted flexible, FR PVC insulated copper cable in polythene sleeve or conduit of suitable size on the floor/wall or side of the table/door etc as required.(1.31)	Mtrs	4	15.40	₹ 61.60
19	Supply, Installation, Testing & Commissioning of exhaust fan upto 450 mm sweep in the existing opening, including making the hole to suit the size of the above fan making good the damaged complete, connection, etc as required. (1.43)	Each	1	1771.00	₹ 1,771.00
20	S/F of Call bell/Buzzer(Ding dong type) ISI marked suitable for DC/AC single phase 230 volts complete as required. (1.30)	Each	1	105.03	₹ 105.03

21	S/F of 18-25Watt L.E.D Tube light fitting with all accessories and connections (Make:HPL-Neptune Havells-Elite LED Pride Plus/PAC/Crompton-RetroPLL	Each	7	657.00	₹ 4,599.00
22	Supply of 1200mm A.C. Ceiling fan with all accessories and connections with out fan regulator (Make:Usha-Striker Millenium/Crompton-Jura /Anchor-XL/Havells-Velocity/Spark/Orient-Summer pride)	Each	4	2401.00	₹ 9,604.00
23	S/F step type fan regulator	Each	4	322.83	₹ 1,291.32
24	Supply & fixing of superior type C.I bulk head fitting with 9W Led Bulb for general domestic use ISI marked square / oval type with premetallic glass cover provided with galvanized steel wire guard including necessary connections. (M-5)	Each	3	532.00	₹ 1,596.00
25	Supply & Fixing of 45-48 Watt single L.E.D street light fitting with LED & Electric driver including all accessories and connections (Make:Crompton/Phillips/HPL/Polycab/Havells)	Each	1	5684.00	₹ 5,684.00
26	S/F of electronic 12w Watt LED Bulb	Each	9	284.54	₹ 2,560.86
27	S/F of fan hook 'S' type made of 16 mm MS rod for fixing in the Existing RCC Roof.	Each	4	204.00	₹ 816.00
28	S/F of 5KVA Main line Voltage stabilizer 90V to 300V(V guard/ Shakti) with angle frame to rest the stabilize	Each	1	14172.35	₹ 14,172.35
29	S/F of 3 star 1.5 Ton split A.C.(Make- Carrer/Llyod) with 4 KVA Voltage stabilizer (Make- v guard/shakti)	Each	2	63341.90	₹ 1,26,683.80
30	S/F of 25 amp motor starter/A.C. Starter switch with all connections(Make-Anchor/Havells)	Each	2	496.46	₹ 992.92
31	S/F of 1100 VA 12V Inverter(Make- Luminous/Microtek) with 1 nos. of tall tubular 150 Ah battery(Make- Luminous/Excide)	Each	1	27056.79	₹ 27,056.79
29	Provision of Armoured cable size 4x16sqmm (39)	Mtrs	50	171.00	₹ 8,550.00
30	Laying of MV cable upto 25sqmm in ground (5.1.1)	Mtrs	40	104.90	₹ 4,196.00
				SUB-TOTAL	₹ 2,73,451.79

III. "PH works to Labour Room Building at Utkela in Kalahandi District."

Sl. No	Description of items	Qty.	Unit	Rate,Rs.	Amount,Rs
1	Earthwork in all kinds of soil with in 50mtr initial lead & 1.5mtr initial lift including rough dressing & breaking of clods to maximum 5cm to 7cm & laying in layers not exceeding 0.30mtr in depth & as per the direction of E.I.C.				
a.	1st depth-1x2.55mx1.80mx1.50m=6.885cum	6.885	cum	181.53	1249.83
b.	2nd depth-1x2.55mx1.80mx0.60m=2.754cum	2.754	cum	194.87	536.67
2	Supplying all materials,labour,T&P and filling in F&P with river sand well watered and rammed including conveyance of all materials to worksite,payment of royalty,taxes etc.all complete as per direction of E.I.C.				
	TR-1x1.80mx1.25mx0.075m =0.168cum	0.856	cum	413.9	354.30
	ST-1x2.55mx1.80mx0.15m =0.688cum				
3	Supplying all materials, labour, T&P and providing cement concrete (1:3:6) with 40mm H.G metal including watering, curing and conveyance of all materials to site payment of royalty, taxes etc all complete as per and direction of the E.I.C				
	S.T-1x2.55mx1.80mx0.10m=0.459cum	0.459	cum	4252.70	1951.99
4	Supplying all materials, labour, T&P and providing cement concrete (1:1.5:3) with 12mm size HBG chips including watering, curing and conveyance of all materials to site payment of royalty, taxes etc all complete as per and direction of the E.I.C.				
	ST-1x2.55mx1.80mx0.20m=0.918cum	0.960	cum	6102.10	5858.02
	1x1.50mx0.75mx0.0375m =0.042cum				
5	Supplying all materials,labour, T&P and providing Brick work with KB.Brick having crushing strength not less than 75kg/cm ² with dimensional tolerance of +/-8% in cm(1:4)including watering, curing, conveyance of all materials to work site, payment of royalty, taxes etc all complete as per P.H specification and direction of E.I.C.				
	2(2.00m+0.75m) x0.25mx0.60m =0.825cum	3.187	cum	3885.60	12383.41
	2(2.25m+0.75m) x0.375mx1.05m=2.362cum				
6	Supplying all materials,labour,T&P and providing 12mm thick CP in cm(1:3)with punning on brick work including watering,curing,conveyance of all materials to work site payment of royalty,taxes etc. all complete as per specification and direction of E.I.C.				
	1x1.50mx0.75m=1.125sqm	8.550	sqm	174.90	1495.40
	2(1.50m+0.75m)1.65m=7.425cum				
7	Supplying all labour T&P and making m.s step iron in 20mm dia m.s steel bar and fixing into walls of M.H/Septic tank dully embedded as per direction of E.I.C.				
		5.00	each	169.70	848.50
8	Supplying all labour T&P and providing 50mm thick pre cast RCC baffle walls in CC(1:1.5:3) with 12mm size bhg chips fitted and fixed in position and finished smooth etc all complete as per direction of E.I.C.				
	1x1.05mx0.45m=0.472sqm	0.472	sqm	637.00	300.66
9	Supplying all materials ,labour T&P and providing rigid and smooth centering and shuttering for RCC works including false work and dismantling then after casting including conveyance of all materials to work site payment of royalty taxes etc all complete as per direction of E.I.C.				
	1x1.50mx0.75m=1.125sqm	2.162	sqm	407.50	881.02
	2(2.00+1.25)mx0.125m=0.812sqm				
	1x1.80mx0.125m=0.225sqm				
10	Supplying all materials ,labour T&P and providing M.S .reinforcement for RCC work including cutting ,bending ,binding and tying the grills and placing the position including cost of binding wire 18 to 20 gauge conveyance of all materialsto work site				

	payment of royalty ,taxes etc all complete as per direction of E.IC.				
	13x1.95m=25.35m	0.185	qntl	5009.40	926.74
	21x1.20m=25.20m				
	8x0.45m=3.60m(-)				
	46.95mx0.395kg/Rmtr=0.185Qtl				
11	Supplying all materials, labour, T & P and providing RCC(1:1.5:3) with 12mm size bhg chips for RCC works including hoisting, laying, watering, curing, conveyance of all materials to work site, payment of royalty, taxes etc all complete as per the direction of E.I.C.				
	1x2.00mx1.25mx0.125m=0.312cum	0.287	cum	6102.10	1751.30
	1x0.45mx0.45mx0.125m=0.025cum(-)				
12	Supplying all materials, labour, T&P and providing 550x550x100mm thick RCCprecast M.H cover in CC(1:1.5:3) using 12mm size bhg chips, placing the cover on the MH/S.Tank & finishing smooth etc all complete including watering, curing, conveyance of all materials to worksite, payment of royalty,taxes etc all complete as per the specification and direction of E.I.C.				
		1.00	each	227.10	227.10
13	Supplying all materials,labour,T&P and providing, fitting and fixing of 110mm dia PVC Tee in wall of ST including filling the recess with cc(1:1.5:3)with 12mm size BHG chip including watering,curing,conveyance of all materials to work site,payment of royalty,taxes etc all complete as per the direction of E.I.C.				
		2.00	each	386.80	773.60
14	Supplying all materials labour ,T&Pand providing cement flush pointing (1:3)to brick masonry including watering ,curing ,conveyance of all materialsto worksite payment of royalty taxes etc all complete as per specification and direction of E.I.C.				
	2(2.25+1.50)mx1.05m=7.875sqm	11.775	sqm	128.60	1514.27
	2(2.00+1.25)mx0.60m=3.900sqm				
15	Filling in F&P with excavated materials including watering and ramming as per the direction of E.I.C.				
	Total earthwork=9.639cum	2.531	cum	101.86	257.81
	Sand filling=0.688cum(-)				
	CC(1:3:6)=0.459cum(-)				
	CC1:1.5:3)=0.918cum(-)				
	Bk.Work(1:4)=3.187cum(-)				
	VOIDS=1x1.5mx0.75mx1.65m=1.856cum(-)				
16	Factory made single leaf rigid FRP(alternately called GRP) sandwich composite door shutter of 32mm thick laminated with two GRP skins with wood grain finish fabricated using UV-stabilised Isophthalic Gelcoat and one layer of 450 gsm E-glass Chopped Strand Mat (CSM) impregnated with orthophthalic polyester resin. The thickness of the skins shall not be less than 1.50mm Expanded Polystyrene(EPS) structural foam panel of 29mm thickness and a density of 20kg/cu.mtr shall be used as core material. Wooden reinforcements made of seasoned sal wood block of cross section not less than 28mmx32mm and also necessary sal wood reinforcements for fitting the metal fittings such as tower bolts, aldrops, handles etc shall be provided. A structural adhesive compatible with (EPS) foam shall be used for bending the core material, the sal wood reinforcements and the skins. The material and process for manufacturing the door shutters shall conform to RV-TIFAC composites Design Centre's standards and specifications and the door shutters tested in conformation to IS: 4020-1998. The finish of door shutter will be plain colour white/ Ivory/ Beige/Light grey/ Mahogany/Teak wood or any other colour using high quality pigments. Three heavy whight mild steel butt hinges type-I(ISI marked) size 100mm are to be fitted on one side of shutter.				
	1x0.75mx1.85m=1.387sqm	1.387	sqm	3181.10	4412.19

17	Factory made FRP(alternately called GRP) door frame of size 75mmx100mm fabricated using E-glass Chopped Strand Mat (CSM) U.V stabilised Inophthalic Gelcoat and impregnated with Inophthalic resin. The thickness of the GRP skins shall not be less than 2.00mm. The door frame consist of four segments which are provided with plug-in-socket arrangement in-situ in the mould. The segments are plugged in and are joined together by means of screw. The GRP frame shall be provided with wooden reinforcement on six locations for high screw holding capacity for for fixing metallic hold fast and shall be consolidated by filling with medium density foam/plaster of paris with fibre reinforcement, Six numbers of 260mm x 25mm x 5mm size 'S' shaped M.S flat hold fast shall be provided with the frame. The material and process for manufacturing the door frames shall conform to RV-TIFAC composites Design Centre's standards and specifications. The finish of door frame will be plain colour white/ Ivory/ Beige/ Light grey/ Golden brown/Mahogany/ Teak wood/sand stone/Champagne/Pastel blue or any other colour using high quality pigments complete in all respect as per specification and direction of the E.I.C				
	1x(0.75m+1.85m+1.85m)=4.45mtr	4.45	mtr	551.70	2455.07
18	Supplying all materials ,labour, T&P and providing CC(1;2;4) with 12mm size and HBG chips including watering, curing, conveyance of all materials to worksite payment of royalty, taxes etc. all complete as per specification and direction of E.I.C.				
	1x1.80mx1.25mx0.05m =0.113cum	0.106	cum	5491.70	582.12
	1x0.50mx0.30mx0.050m=0.007cum(-)				
19	Supplying all materials, labour , T&P and fixing ceramic tiles/marble tiles/chequered tile in floors, treads and landing on 25mm thick bed of cement slurry mixed with pigments to match the shades of the tiles including rubbing and polishing complete as per the specification and direction of E.I.C.				
	1x1.80mx1.25m=2.250sqm	2.287	sqm	954.90	2183.86
	1x0.75mx0.25m=0.187sqm				
	1x0.50mx0.30m=0.150sqm(-)				
20	Supplying all materials, labour, T&P and fixing porcelain glazed tiles/marble tiles/kota tiles /kodappa tiles on 12mm thick CP(1:3) jointed with neat cement slurry mixed with pigments to match the shades of the tiles including rubbing and polishing complete as per the direction of E.I.C.				
	1x5.65mx1.50m=8.475sqm	8.475	sqm	1006.70	8531.78
21	Supplying all materials, labour, T&P and fitting & fixing of OD-UPVC soil waste ventilating pipes and fitting of the following O.D conforming to ISI No.13592/1992 to walls with nails bobbins and wooden plugs or earth work in excavation in all kinds of soil for laying in trenches including jointing with supply of approved rubber lubricant by non-heat application method/as per manufactures specification including testing and refilling and trenches as per direction of E.I.C.				
a.	110mm dia PVC pipe	19.85	mtr	203.30	4035.51
	'P'-Trap to HRB=(1x0.60)m=0.60m				
	'P'-Trap to D/B=(1x0.40)m=0.40m				
	Basin/Sink Waste=1.80m+1.80m=3.60m				
	P/B to LP=2x3.00m+2.75m=8.75m				
	HRB to I/C=(1x1.70)m=1.70m				
	Ventpipe=(3.00+1.80)m=4.80m				
b.	110mm dia PVC'P' trap	4.00	each	299.70	1198.80
c.	110mm dia.PVC S/J/D	1.00	each	296.70	296.70
d.	110mm dia.PVC H.R.Bend	1.00	each	147.30	147.30
e.	110mm dia.PVC Door Bend	3.00	each	204.70	614.10
f.	110mm dia PVC Plain Bend	3.00	each	147.00	441.00
g.	110mm dia PVC offset	1.00	each	180.50	180.50
h.	110mm dia PVC Cowl	2.00	each	77.30	154.60
i.	125mm dia CP greatings	3.00	each	67.80	203.40
22	Supplying all materials,labour,T&P and cutting holes through brick/stone masonry walls for taking PVC pipes and fittings including making good the damages etc. all complete				

	as per the P.H. specification and direction of E.I.C.				
a.	375mm thick wall	4.00	each	204.00	816.00
b.	Roof cutting	1.00	each	140.80	140.80
23	Supplying all materials, labour, T&P for fixings water closet, squatting pan (I.W.C pan/ Orissa pattern squatting pan) of ISI mark of (Parry ware/Hind ware/Nycer) dully embedded in CC(1:5:10) using 4cm h.g. metal all complete as per the direction of E.I.C.				
a.	500mm Orissa Pan(White)	1.00	each	2138.40	2138.40
24	Supplying all materials,labour,T&P and fixing wash basin of ISI mark of (Parry ware/Hind ware/Nycer) with hole for pillar taps with cast iron or M.S. brackets painted white including cutting holes in walls and good the damages etc. all complete as per specification and direction E.I.C .				
a.	550mmx400mm size WHB	1.00	each	1740.90	1740.90
25	Supplying all materials,labour,T&P and constructing inspection chamber of the following sizes with cc(1:3: 6)using 40mm size HG metal on bed,1st class K.B brickwork in cm(1:6),moulding & shapping the channel inside & benching with cc(1:1.5:3)using 12mm size HG chips,12mm thick cp(1:3) with punning to inside, cement flush pointing (1:3)to out side,RCC coverslab in cc(1;1.5:3)using 12mm size HG chips with RCC MH cover in excavation in all kinds of soil & refilling the cavity around the chamber including watering, curing, conveyance of all materials to worksite,payment of royalty,taxes etc all complete as per approved specification & direction of the E.I.C.				
a.	Inside size 760mmx760mmx460mm	1.00	each	7302.30	7302.30
26	Supplying all materials,labour,T&P and laying of 110mm dia.PVC pipes,in trenches (to level or slope) and jointing with supply of approved rubber lubricant by non heat application method using 40mm bhg metals on bed of the trench and hunching or allround concrete encasing with CC(1:4:8) using 40mm size h.g metal including curing,conveyance of all materials to worksite,payment of royalty,taxes etc. and testing all complete as per approved drawing,design,specification and direction of E.I.C.				
a.	110mm dia PVC pipe with allround encasing	10.00	mtr	1028.10	10281.00
27	Supplying all material, labour, T&P and constructing soakway pit of the following sizes with dry brick walling from bottom upto invert of inlet pipe and 1st class K.B brickwork in C.M(1: 6) for the remaining height at top, 12mm thick C.P(1: 4) inside and outside over masonry brickwork gravel packing in the rear of well steining, R.C.C cover slab in C.C(1: 1.5: 3) using 12mm size h.g chips fitted with iron lifting handles including earthwork in open well excavation in all kinds of soil and refilling the cavity around the pit & painting the iron wirk, watering, curing, conveyance of all materials to worksite, payment of royalty, taxes etc. all complete as per approved drawing, specification and direction of E.I.C.				
a.	1.20m dia x 2.00m deep inside size	1.00	each	13677.70	13677.70
28	Supplying all materials,labour,T&P and constructing Leach pit of the following size with 1st class KB brick work in cm(1:4),12mm thick CP(1:4) inside and outside over masonry brickwork upto 0.60mtr deep,RCC coverslab in cc(1:1.5:3)using 12mm HG chips including earthwork in openwell excavation in all kinds of soil and refilling of cavity around the pit,watering,curing,conveyance of all materials to worksite,payment of royalty,taxes etc all complete as per approved specification & direction of the E.I.C.				
a.	1.20m dia x 2.00m deep inside size	2.00	each	14751.40	29502.80
29	Supplying all materials,labour,T&P and fixing of rotational moulded polythene cylindrical water storage tank of 1000litres capacity conforming to IS:1570/1996 including cutting holes through the tank and fixing mild steel tubes and fittings and providing extra tubes and jamnuts including hoisting upto a height of 5mtr above GL and placing the tank on required position and providing masonry staging with 1st class KB brick work in cm(1:6),of 0.46m height,12mm CP(1:6),RCC beam of 0.25mx0.30mx2.60m in RCC(1:1.5:3) using 12mm bhg chips including centering and shuterling,cutting,bending,binding of rods etc and watering,curing, conveyance of all materials to worksite including cost of 2000litres water storage tank etc.				
		1.00	each	19586.60	19586.60
30	Supplying all materials,labour,T&P and providing and fixing to wall,ceiling and floor pvc pipes confirming to ASTM-D-1785/89(sch-80)and pipe fittings of the nominal bore with clamps including making good the wall,ceiling and floor all complete as per specification and direction of E.I.C.				

a.	25mm dia PVC Pipe(External)	40.00	mtr	138.60	5,544.00
b.	20mm dia PVC Pipe(Internal)	10.00	mtr	109.50	1,095.00
31	Supplying all materials,labour,T&P and cutting holes for taking G.I/PVC pipes and making good the damages as per the direction of E.I.C.				
		3.00	each	44.30	132.90
32	Supplying all materials,labour,T&P and cutting holes in R.C.C.floors,roofs etc upto 19cm thick for passing G.I/PVC pipes and fitting etc. and repairing the holes after insertion of pipes etc with cc (1:2:4) including finishing complete so as to make it leak proof as per direction of E.I.C.				
		2.00	each	159.30	318.60
33	Supplying all materials,labour,T&P and cutting grooves in pucca floor and walls for taking G.I/ PVC pipes and making good the damages as per the direction of E.I.C.				
		10.00	mtr	155.50	1,555.00
34	Supplying all materials,labour,T&P and fixing brass/CP fittings conforming to IS 781 of the following nominal bore with supply of all jointsing materials complete as per specification and direction of E.I.C.				
a.	15mm dia C.P Bib Cock(L.B)	2.00	each	820.40	1,640.80
b.	15mm dia C.P Bib cock(S.B)	1.00	each	695.80	695.80
c.	15mm dia C.P Angle Stop Cock	2.00	each	709.70	1,419.40
d.	15mm dia C.P Pillar cock	1.00	each	694.30	694.30
e.	15mm dia C.P Concealed Stop Cock	1.00	each	1074.00	1,074.00
f.	25mm dia brass F.W.V	2.00	each	1054.20	2108.40
35	Supplying all materials,labour,T&P and fitting and fixing 10Ltrs capacity PVC LL flushing cistern of ISI mark of (Parry ware/Hind ware/Nycer) with a pair of C.I/M.S.brackets complete with fittings such as syhonic arrangement,15mm nominal size Brass/ PVC ball valve with polythene float,CP/Brass handle,unions and couplings for connection with inlet,outlet, overflow pipes,32mm dia PVC flush bend,15mm dia PVC connection pipes including cutting holes and making good the same and connecting the flush bend with cistern and closet and connecting inlet pipe with supply main with etc all complete as per specification and direction of the E.I.C				
a.	10 lit PVC L/L Cistern	1.00	each	1451.80	1,451.80
36	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 screw and washer complete as per specification and direction of the E.I.C.				
a.	Plastic moulded frame rectangular shape 453x357mm	1.00	each	624.80	624.80
37	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 specifications and direction of E.I.C.				
		2.00	each	262.40	524.80
38	Supplying all materials,labour,T&P and fixing standard sized CP towel rail complete with CP brass brackets fixed to wooden plugs with CP screws as per specification and direction of E.I.C.				
a.	20mmx450mm long CP towel rail	2.00	each	798.80	1,597.60
39	Supplying all materials,labour,T&P and fixing CP shower with 15mm or 20mm inlet with CP shower arm including polishing all complete as per specification and direction of E.I.C.				
a.	15mmx100mm long	1.00	each	458.30	458.30
40	supplying all labour,T&P materials & fixing wash Kitchen Sink with CI/MS brackets painted white including holes in walls and making good the damages etc. all complete as per P.H specification and direction of E.I.C.				
a.	450mmx400mmx150mm size	1.00	each	2992.60	2992.60
41	Sinking of 125mmx100mm dia Tube well by fast drilling Sofasticated Rig.				-
a.	Labour for drilling of perfectly vertical bore holes as specified dia.For a specified depth rock with down the hole hammer drilling rig combination drilling rig as required to soil,the soil condition as per direction of E.I.C including supply of rigs with all accessories,T&P consumable etc for lowering 125mm dia PVC pipes for casing fitted				

	with sockets,washers and without well screen as per the necessity for the soft,medium and hard formation(PCV/G.I)casing pipes for the over borden is to be provided by the contractor including lowering and drawing after complete of tube well.Tube well(1No).				
i.	Drilling of 125mm dia. Bore-0.00mtr to 30.00mtr	30.00	mtr	480.00	14,400.00
ii.	Drilling of 100mm dia. Bore-30.00mtr to 60.00mtr	30.00	mtr	480.00	14,400.00
b	Lowering the following G.I/PVC pipe confirming to ASTM-D-1785/89(sch-80) with or without soltted pipes as per necessity from ground level upto 30.00mtr depth and fitted and fixed in perfectly vertical position including cutting and threading pipes and soltted pipes and supplying and fixing of all jointing material,T&P etc the top of the casing pipe threaded including piping tube well to prevent entry of foreign materials from above(PVC/G.I) supplied by the contractor (including cost of pipe)				
i.	Lowering of 125mm dia PVC pipes:00.00 mtr to30.00mtr	30.00	mtr	70.00	2100.00
ii.	Cost of 125mm dia PVC pipes:-00.00mtr to 30.60mtr	30.60	mtr	566.8	17344.08
c.	Cleaning and developing the tubewell with their own compressor contineously worked till clean and adiqate discharge is obtained from the tube well including supply of & use of all necessary equipments and labour as per the direction of E.I.C.				
		1.00	each	2000.00	2,000.00
42	<u>0.50H.P.Single Phase Submersible Pump Set</u>				-
a.	Supplying of ISI mark 0.50HP Single Phase Verical Submersible Pump Set with discharge of 900-1000ltr /hour and a head of 50-60mtr of reputed make like KSB/Texmo & equivalent including all cost, conveyance and taxes etc all complete as per direction of E-I-C.				
		1.00	each	15849.15	15849.15
b.	Supplying all labour,T&P and fitting and fixing of 0.50HP Single phase vetrical Submersible Pump Set with commissioning and testing etc.all complete as per direction of E.I.C.				
		1.00	each	1316.00	1316.00
c.	Supplying,fitting and fixing of ISI mark DOL Starter of reputed make like BCH or equivalent for 0.50H.P Single Phase Submersible Pump including all cost,conveyance of all taxes etc all complete as per direction of the E.I.C.				
		1.00	each	2809.32	2809.32
d.	Supplying fitting and fixing of three core flat cable(1.5mm ²) of ISI make of reputed company like BCH/ Finolex or Equivalent and connecting the pump and starter including all cost,conveyance and taxes etc all complete as per direction of the E.I.C.				
		50.00	mtr	71.70	3585.00
e.	Supplying fitting and fixing of plastic rope MS Well cover,MS Clamp,stainless steel short piece,bend & socket including all cost ,taxes etc all complete as perdirection of the E.I.C.				
		1.00	each	1660.00	1660.00
f.	Supplying fitting and fixing of HDPE Pipes & pipe fittings with making connection to pump set including all cost conveyance and taxes etc all complete as per direction of the E.I.C.				
		50.00	mtr	63.98	3199.00
43	Supply of all materials,labour,T&P and fitting & fixing of 5 K.W automatic voltage stabilizer having range from 50 Volt to 220 Volt suitable to run 1.00 H.P Submersible pump set including electrical connection from the existing mains & with the control panels of the pump set etc.all complete as per specification and direction of E.I.C.				
		1.00	each	9375.00	9375.00
				Sub-Total	253899.67

The total estimated cost for UTKELA PHC = I + II + III = Rs 23,41,712.00

LEAD STATEMENT-UTKELA PHC

SI No	Material	Unit	Quarry	Lead in km	Lead cost	Royalty	Material cost	Total Amount
1	2	3	4	5	6	7	8	9
1	HG stone (H.B)	cum	Adhmunda	13	220.07	130.00	245.41	595.48
2	40mm size metal (C.B.)	cum	Adhmunda	13	220.07	130.00	724.76	1074.83
3	20mm size chips (C.B.)	cum	Adhmunda	13	220.07	130.00	1046.67	1396.74
4	12 mm HGCB chips	cum	Adhmunda	13	220.07	130.00	1063.81	1413.88
5	10 mm HGCB chips	cum	Adhmunda	13	220.07	130.00	1095.24	1445.31
6	6.7 mm HG CB chips	cum	Adhmunda	13	220.07	130.00	775.24	1125.31
7	Sand for filling	cum	Ret	5	149.67	35.00	53.33	238.00
8	Sand for mortar	cum	Ret	5	149.67	35.00	56.19	240.86
9	Moorum	cum	local	5	149.67	35.00	47.62	232.29
10	C.B. Bricks	1000 nos	local	10	466.00		2726.81	3192.81
11	Fly ash Bricks	1000 nos	Local	10	466.04		3495.32	3961.36
12	Cement	Qntl	Kesinga	10	20.29		480.00	500.29
13	Steel (SAIL)	MT	Kesinga	10	202.87		47372.88	47575.75
14	Tiles	Sqm	Kesinga	10	13.52			13.52

Labour	Rs	280.00	Per Day
Semiskilled Labour	Rs	330.00	Per Day
Second class			
Mason	Rs	370.00	Per Day
First class Mason	Rs	430.00	Per Day

NOTICE INVITING TENDER (NIT) FOR CONSTRUCTION OF LABOUR ROOMS AT REGEDA PHC UNDER KARLAMUNDA BLOCK, AT UTKELA PHC UNDER KESINGA BLOCK & AT BENGAON PHC UNDER LANJIGARH BLOCK OF KALAHANDI DISTRICT OF ODISHA THROUGH CSR ACTIVITIES FOR F/Y. 2018-19.

(C) DETAILS OF ESTIMATE WITH B.O.Q.S FOR CONSTRUCTION OF LABOUR ROOMS AT BENGAON, DIST. KALAHANDI

The following items of work are included in the Estimate with framed structure.

- 1) R.C.C Coloumns with open Foundation
- 2) R.C.C work in Plinth Beam, Lintel, Roof Beam, Roof Slab.
- 3) Fly Ash Brick Masonary in C.M (1:6) in Foundation & Super Structure.
- 4) 12mm thick C.P(1:6) and 16mm C.P(1:6) in outside and inside surface.
- 5) painting 2coat with plastic paint over putty to inside surface and weather coat to outside surface of building.
- 6) Provision of Flush Door (prelaminated) and Windows with Alluminium Glazed & MS grill for windows.
- 7) Vetrified Tile in Flooring with Ceramic tile for dado.
- 8) Moorum filling
- 9) Front yard Concreting & tiling
- 10) Construction of main Gate
- 11) Provision of E.I. & P.H. work
- 12) List of approved materials: As per norms of Government of Odisha

(C) CONSTRUCTION OF LABOUR ROOMS AT BENGAON PHC					
Name of Work:-		Civil cost	E.I internal	PH external and Internal	Total
1	Building	Rs16,85,971.00	Rs 2,73,452.00	Rs 2,53,900.00	Rs 22,13,323.00
2	approach	Rs1,05,627.00			Rs 1,05,627.00
	Sub-Total	Rs 17,91,598.00	Rs 2,73,452.00	Rs2,53,900.00	Rs 23,18,950.00

N.B. The estimate has been prepared as per current schedule of rate-2014 (Post GST) and enhanced labour rate. The standared specifications of Government of Odisha will be followed during the execution of work.

**C-I. Construction of Labour Room at Bengoan PHC for the year 2018-19-
Civil construction with approach road.**

Sl No	Description of items	Unit	Quantity	Rate	Amount
1	Earth work in excavation of foundation in hard soil with all leads and lifts including dressing the sides and levelling the bed and depositing the excavated earth at places away from work site with all leads and lifts including cost of all labour and T&P,royalty etc. complete and as directed by the Engineer-in-charge.				
		Cum	126.93	167.80	21298.85
2	Filling in foundation & plinth with sand in 22.5cm(9") thick layers including watering and ramming with all cost conveyance royalty, taxes of the materials and labour with T&P required for the work etc. complete or as directed by the Engineer-in-charge.				
		Cum	74.04	573.10	42432.32
3	Plain Cement concrete (1:3:6) with 4cm size C.B, h.g metal of approved quality and from approved quarry including hoisting,lowering, and laying in layers to 10cm(4") thick to required level, ramming,watering including all cost & conveyance of all materials and labour with T&P required for the work with all taxes and royalties complete in all respects and as directed by the EIC.				
		Cum	27.24	4431.20	120705.89
4	Cement concrete (1:2:4) with 12mm size C.B, h.g chips of approved quality and from approved quarry including hoisting,lowering, and laying, ramming,watering including all cost & conveyance of all materials and labour with T&P required for the work with all taxes and royalties complete in all respects and as directed by the EIC.				
		Cum	5.48	5733.20	31417.94

5	Fly ash brick masonry in cement mortar(1:6) after immersing bricks for six hours in water before use in super structure using clamp burnt bricks of size (23 x 11 x 8 cm) having a crushing strength of not less than 50 Kg/Cm ² including splays cutting circular moulding chmfering and corbelling watering and curing et complete including cost and conveyance of all materials and labour with T&P required for the work with all taxes and royalties etc. complete in all respect or as directed by the Engineer-in-charge.				
		Cum	25.31	4062.30	102816.8 1
6	Supplying fitting, with Straightening, cutting, bending, cranking, hooking, welding or jointing (if required) the HYSD steel and binding wires and binding, tying the grills, hoisting, lowering and placing in proper position as required for R.C.C. works and for providing cost, conveyance and taxes of M.S. rods or Tor steel including binding wires of 18 to 20 gauge and labour with all T&P required for the work etc. completefor ground floor or as directed by the Engineer-in-charge.				
		Qtl	35.46	6358.10	225458.2 3
7	Reinforced cement concrete (1:11/2:3) in foundation , column, beam, slab using 12mm size h.g, C.B. broken hard granite chips of approved quality and from approved quarry including hoisting, lowering and laying in layers not exceeding 15cm thick to the required level ,ramming,watering and curing etc. including all cost of material, labour, with T&P and taxes of materials etc. required for work and as per direction of Engineer-in-charge.				
a	Coloumn Base	Cum	7.68	6624.40	50875.39
b	Coloumn & beam	Cum	7.31	14031.1 0	102567.3 4
c	Grade beam	Cum	3.75	7110.00	26662.50
d	Roof Slab	Cum	7.97	11040.4	87991.99

				0	
e	Lintel	Cum	2.22	11010.50	24443.31
f	Chhaja	Sqm	6.86	925.70	6350.30
g	Window seal	Cum	0.16	11010.50	1761.68
h	shelves	Sqm	2.23	843.60	1881.23
8	Fly Ash brick masonry in cement mortar(1:6) after immersing bricks for six hours in water before use in super structure using Fly Ash bricks of size (23 x 11 x 8 cm) having a crushing strength of not less than 50 Kg/Cm ² including splays cutting circular moulding chmfering and corbelling watering and curing et complete including cost and conveyance of all materials and labour with T&P required for the work with all taxes and royalties etc. complete in all respect or as directed by the Engineer-in-charge.				
		Qtl	79.41	4231.98	336061.53
9	Fixing Vetrified tiles in floors on 16mm thick bed of cement mortar (1 : 4) joined with neat cement slury mixed with pigment to match the shades of the tiles including cost of tiles & rubbing and polishing etc.complete.				
		Sqm	105.04	824.30	86584.47
10	Fixing ceramic tiles in dados skirting and riser of steps on 16mm thick bed of cement mortar (1 : 3) joined with neat cement slury mixed with pigment to match the shades of the tiles including cost of tiles & rubbing and polishing etc.complete..				
		Sqm	118.98	987.20	117457.06
11	20mm thick Grading Plaster (1:4)c.m on roof slab including cost and conveyance of all materials and labour with T&P required for the work with all taxes and royalties etc. complete in all respect or as directed by the Engineer-in-charge.				
		Sqm	79.24	235.60	18668.94

12	16mm thick cement plaster (1:6) over Brick / stone masonry finished smooth including watering and curing with cost and conveyance of all materials and labour with T&P required for the work with all taxes and royalties etc. complete in all respect in all floors or as directed by the Engineer-in-charge				
		Sqm	183.71	184.20	33839.38
13	12mm thick cement plaster (1:6) over Brick / stone masonry finished smooth including watering and curing with cost and conveyance of all materials and labour with T&P required for the work with all taxes and royalties etc. complete in all respect in all floors or as directed by the Engineer-in-charge				
		Sqm	128.74	123.80	15938.01
14	20mm thick cement plaster (1:6) over Brick / stone masonry finished smooth including watering and curing with cost and conveyance of all materials and labour with T&P required for the work with all taxes and royalties etc. complete in all respect in all floors or as directed by the Engineer-in-charge				
		Sqm	39.83	194.80	7758.88
15	Providing, fitting and fixing of AI door with OEL anodized AI door section of 9202 as vertical member 9201 as top member and 9200 as bottom and middle member and 6 mm plain glass in top portion with qwmm thick pre-laminated board fixed on door frame by means of tapered clip No 4660 and the frame to be completed by means of jointing angle No 1855 including all cost of labour T&P, hire charge of drilling machine labour charges etc complete.				
		Sqm	15.28	7993.60	122142.21

16	Providing, fitting and fixing up window (sliding type) made up aluminum section 151 - 154, 155-154, as windows frame section No. 151-155, 151-153 and 151-167 as shutter frame with 5mm thick black glass as panel fitted with rubber beading including locking arrangement including all fitting including cost of materials all taxes labour t&P etc complete as per direction of EIC.				
		Sqm	10.82	7101.20	76834.98
17	Suppling ,fixing,fitting M.S.grill and grill door and windows as per approved design including allcost,conveyance, royaltyof material,labour , with T&P required for the work etc. as per direction of EIC.				
		Kg	486.00	85.00	41310.00
18	Fitting, fixing iron shutter M.S. panalled door with M.S. frame and M.S. panalled window with M.S. frame and grill in position etc including fixing in cement concrete CC (1:3:6) with 12mm to 20mm hard stone chips or in cement mortar (1:3) including labour with T&P required for the work with all taxes and royalties etc. complete in all respect in all floors or as directed by the Engineer-in-charge				
		Kg	15.05	356.87	5370.89
19	White washing 3 coats with shell lime over plastered surface.				
		Sqm	411.22	16.80	6908.50
20	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				
		Sqm	236.45	64.30	15203.74
21	Wall painting 2 coats with Plastic paint of approved shade on new work to give an even shade exculding cost of paint.				
		Sqm	236.45	72.50	17142.63

22	Wall painting 2 coats with Weather coat of approved shade on new work to give an even shade including cost of paint etc conveyance, royalties and taxes of all materials and labour with T&P require for the work etc complete in all respect in all follrs or as directed by the EIC				
		Sqm	168.57	66.90	11277.33
23	Painting 2 (Two) coats with any approved enamel paint over a coat of priming to new wood work and iron work including cost of the primer and paint sand papering polishing the surface with cost conveyance and taxes of all materials and labour with T&P required for the work etc. complete in all respect or as directed by the EIC.				
		Sqm	15.05	171.40	2579.57
24	Labour for collecting moorum conveying & spreading and consolidation with HRR including watering , cost and conveyance of all materials and labour with T&P required for the work with all taxes and royalties etc. completer as directed by the Engineer-in-charge				
		Cum	51.53	579.40	29856.48
				Sub-Total	<u>1791598.39</u>

C-II. Estimate for Electrical Installation to Labour room of PHC at Bengaon under R.W. Electrical Section, Bhawanipatna.

Estimate for E.I. to Labour room of PHC at Utkela under R.W. Electrical Section, Bhawanipatna.					
Sl. No.	Description of Items	Unit	Qty	Rate	Amount
1	Recessed wiring to light point with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked with 20 mm dia non-metallic PVC flexible conduit with 5Amp, 250 V piano type modular switch ISI marked and ceiling rose ISI marked mounted on MS box having front Modular base & cover of suitable size, MS box with 1 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire including all accessories and connection as per direction of Engineer in Charge. (Make of wire Finolex/ L&T / Anchor / Havels /HPL/ V Guard)				
a	-do- Group A	Point	7	429.25	₹ 3,004.75
b	-do- Group B	Point	7	594.89	₹ 4,164.23
c	-do- Group C	Point	6	798.91	₹ 4,793.46
2	Recessed wiring to Fan Point in...				
a	-do- Group B	Point	4	594.89	₹ 2,379.56
3	Recessed wiring to Call Bell Point in...				
a	-do- Group C	Point	1	798.91	₹ 798.91
4	Recessed wiring to Exhaust Fan Point in.....				
a	-do- Group C	Point	1	798.91	₹ 798.91
5	S/F of Angle holder replacing Ceiling Rose	Each	9	10.00	₹ 90.00
6	S/F of 5A. Modular Switch & 5A. Modular Socket outlet of ISI marked on existing board	Each	7	204.60	₹ 1,432.20
7	S/F of extension board of 6 modular Metal box with modular base & cover in recess including providing and fixing of 2 nos of 3pin 5/6amp modular socket out let & 2 nos of 5/6 amp piano type modular switch, connection, painting etc as required.	Each	2	712.61	₹ 1,425.22
8	S/F of Power point with 4 modular metal box with modular base & cover in recess including providing and fixing of 5 pin 15/16 amp. piano type Modular switch & Socket, connection, painting etc as required	Each	4	573.76	₹ 2,295.04
9	S/F of 2 nos of 5 pin 15/16 amp. Socket & 2 nos of 15/16A top, Power point with metal box of 180mm x 100mm x 60mm deep (Normal size) in recess with suitable size of phenolic laminated sheet cover in front with connection, painting etc as required for Inverter connection	Each	1	702.99	₹ 702.99
10	S/F of 18 SWG Modular metal box of following sizes (Nominal size) in recess with suitable size of Modular base & cover in front including cutting the wall and making good the same in case of recessed conduit as required.				
a	2 Modular box with base & cover	Each	1	185.84	₹ 185.84
b	6 Modular box with base & cover	Each	2	303.41	₹ 606.82

c	8 Modular box with base & cover	Each	2	345.24	₹ 690.48
d	12 Modular box with base & cover	Each	3	458.00	₹ 1,374.00
11	Wiring for circuit / sub-main wiring along with earth wire with following sizes of PVC insulated single core multistrand copper conductor with ISI marked conforming to IS-694/1990 in 20mm dia non metallic heavy duty flexible conduit 1.6mm in recessed PVC conduit as required (Make of wire - Finolex/L&T/Anchor/Havels/V-guard)				
a	2x1.5+1x1.0 (1.8)	Mtrs	30	100.06	₹ 3,001.80
b	2x2.5+1x1.5 (1.8.2)	Mtrs	80	115.03	₹ 9,202.40
c	2x4+1x1.5 (1.8.3)	Mtrs	55	132.41	₹ 7,282.55
d	2x6+1x2.5 (1.8.4)	Mtrs	15	163.49	₹ 2,452.35
e	Inverter wiring (1x1.0smm) Copper wire (1.19.1)	mtrs	60	32.88	₹ 1,972.80
12	S/F of 'B/C/D' series SP MCB of 5 - 32A amp rating (As per direction of engineer in charge) 240Volt for lighting and other loads in the existing MCB Distribution board ISI marked complete with connection, testing and commissioning etc. as required single pole (SP) (2.6.1)	Each	6	118.21	₹ 709.26
13	S/F of 'B/C/D' series DP MCB of 5 - 32A amp rating (As per direction of engineer in charge) 240Volt for lighting and other loads in the 2 Way double door MCB Distribution board ISI marked complete with connection, testing and commissioning etc. as required (2.6.2a)+(2.3.1b)	Each	2	913.96	₹ 1,827.92
14	Supply, Installation testing & commissioning of Main Switches (IS13940 part 3/1993) of following capacity on existing surface/wall mounting & complete with H.R.C fuse links, inter connections earthing etc as required as per direction of Engineer Incharge (Make- Seimens/HPL/Anchor/L&T /Havels/C&S/R. K.)				
a	S/F of MCB 8 way Double door (2.3.6)	Each	1	1567.00	₹ 1,567.00
15	Supply, Installation testing & commissioning of Main Switches (IS13940 part 3/1993) of following capacity on existing surface/wall mounting & complete with H.R.C fuse links, inter connections earthing etc as required as per direction of Engineer Incharge (Make- Seimens/HPL/Anchor/L&T /Havels/C&S/R. K.)				
a	S/F of 63A. ICTPN main switch (2.15.3)	Each	1	2548.03	₹ 2,548.03
b	S/F of 63A. TPN Bus bar	Each	1	3607.14	₹ 3,607.14
16	Earthing with G.I. Earth pipe 3 mtr Long 40mm dia ISI marked including accessories & providing masonry enclosure with cover plate having locking arrangement & watering pipe with charcoal & salt as required (3.2)	Set	2	2170.25	₹ 4,340.50
17	Supply & laying 6 SWG G.I. wire in recess for loop earthing as required (3.17)	Mtrs	12	38.08	₹ 456.96
18	Providing & fixing plain 16/0.2mm twin twisted flexible, FR PVC insulated copper cable in polythene sleeve or conduit of suitable size on the floor/wall or side of the table/door etc as required.(1.31)	Mtrs	4	15.40	₹ 61.60
19	Supply, Installation, Testing & Commissioning of exhaust fan upto 450 mm sweep in the existing opening, including making the hole to suit the size of the above fan making good the damaged complete, connection, etc as required. (1.43)	Each	1	1771.00	₹ 1,771.00
20	S/F of Call bell/Buzzer(Ding dong type) ISI marked suitable for DC/AC single phase 230 volts complete as required. (1.30)	Each	1	105.03	₹ 105.03

21	S/F of 18-25Watt L.E.D Tube light fitting with all accessories and connections (Make:HPL-Neptune Havells-Elite LED Pride Plus/PAC/Crompton-RetroPLL	Each	7	657.00	₹ 4,599.00
22	Supply of 1200mm A.C. Ceiling fan with all accessories and connections with out fan regulator (Make:Usha-Striker Millenium/Crompton-Jura /Anchor-XL/Havells-Velocity/Spark/Orient-Summer pride)	Each	4	2401.00	₹ 9,604.00
23	S/F step type fan regulator	Each	4	322.83	₹ 1,291.32
24	Supply & fixing of superior type C.I bulk head fitting with 9W Led Bulb for general domestic use ISI marked square / oval type with premetallic glass cover provided with galvanized steel wire guard including necessary connections. (M-5)	Each	3	532.00	₹ 1,596.00
25	Supply & Fixing of 45-48 Watt single L.E.D street light fitting with LED & Electric driver including all accessories and connections (Make:Crompton/Phillips/HPL/Polycab/Havells)	Each	1	5684.00	₹ 5,684.00
26	S/F of electronic 12w Watt LED Bulb	Each	9	284.54	₹ 2,560.86
27	S/F of fan hook 'S' type made of 16 mm MS rod for fixing in the Existing RCC Roof.	Each	4	204.00	₹ 816.00
28	S/F of 5KVA Main line Voltage stabilizer 90V to 300V(V guard/ Shakti) with angle frame to rest the stabilize	Each	1	14172.35	₹ 14,172.35
29	S/F of 3 star 1.5 Ton split A.C.(Make- Carrer/Llyod) with 4 KVA Voltage stabilizer (Make- v guard/shakti)	Each	2	63341.90	₹ 1,26,683.80
30	S/F of 25 amp motor starter/A.C. Starter switch with all connections(Make-Anchor/Havells)	Each	2	496.46	₹ 992.92
31	S/F of 1100 VA 12V Inverter(Make- Luminous/Microtek) with 1 nos. of tall tubular 150 Ah battery(Make- Luminous/Excide)	Each	1	27056.79	₹ 27,056.79
29	Provision of Armoured cable size 4x16sqmm (39)	Mtrs	50	171.00	₹ 8,550.00
30	Laying of MV cable upto 25sqmm in ground (5.1.1)	Mtrs	40	104.90	₹ 4,196.00
SUB-TOTAL					₹ 2,73,451.79

C-III. "PH works to Labour Room Building at Bengaon in Kalahandi District."

Sl. No	Description of items	Qty.	Unit	Rate,Rs.	Amount,Rs
1	Earthwork in all kinds of soil with in 50mtr initial lead & 1.5mtr initial lift including rough dressing & breaking of clods to maximum 5cm to 7cm & laying in layers not exceeding 0.30mtr in depth & as per the direction of E.I.C.				
a.	1st depth-1x2.55mx1.80mx1.50m=6.885cum	6.885	cum	181.53	1249.83
b.	2nd depth-1x2.55mx1.80mx0.60m=2.754cum	2.754	cum	194.87	536.67
2	Supplying all materials,labour,T&P and filling in F&P with river sand well watered and rammed including conveyance of all materials to worksite,payment of royalty,taxes etc.all complete as per direction of E.I.C.				
	TR-1x1.80mx1.25mx0.075m =0.168cum	0.856	cum	413.9	354.30
	ST-1x2.55mx1.80mx0.15m =0.688cum				
3	Supplying all materials, labour, T&P and providing cement concrete (1:3:6) with 40mm H.G metal including watering, curing and conveyance of all materials to site payment of royalty, taxes etc all complete as per and direction of the E.I.C				
	S.T-1x2.55mx1.80mx0.10m=0.459cum	0.459	cum	4252.70	1951.99
4	Supplying all materials, labour, T&P and providing cement concrete (1:1.5:3) with 12mm size HBG chips including watering, curing and conveyance of all materials to site payment of royalty, taxes etc all complete as per and direction of the E.I.C.				
	ST-1x2.55mx1.80mx0.20m=0.918cum	0.960	cum	6102.10	5858.02
	1x1.50mx0.75mx0.0375m =0.042cum				
5	Supplying all materials,labour, T&P and providing Brick work with KB.Brick having crushing strength not less than 75kg/cm ² with dimensional tolerance of +/-8% in cm(1:4)including watering, curing, conveyance of all materials to work site, payment of royalty, taxes etc all complete as per P.H specification and direction of E.I.C.				
	2(2.00m+0.75m) x0.25mx0.60m =0.825cum	3.187	cum	3885.60	12383.41
	2(2.25m+0.75m) x0.375mx1.05m=2.362cum				
6	Supplying all materials,labour,T&P and providing 12mm thick CP in cm(1:3)with punning on brick work including watering,curing,conveyance of all materials to work site payment of royalty,taxes etc. all complete as per specification and direction of E.I.C.				
	1x1.50mx0.75m=1.125sqm	8.550	sqm	174.90	1495.40
	2(1.50m+0.75m)1.65m=7.425cum				
7	Supplying all labour T&P and making m.s step iron in 20mm dia m.s steel bar and fixing into walls of M.H/Septic tank dully embedded as per direction of E.I.C.				
		5.00	each	169.70	848.50
8	Supplying all labour T&P and providing 50mm thick pre cast RCC baffle walls in CC(1:1.5:3) with 12mm size bhg chips fitted and fixed in position and finished smooth etc all complete as per direction of E.I.C.				
	1x1.05mx0.45m=0.472sqm	0.472	sqm	637.00	300.66
9	Supplying all materials ,labour T&P and providing rigid and smooth centering and shuttering for RCC works including false work and dismantling then after casting including conveyance of all materials to work site payment of royalty taxes etc all complete as per direction of E.I.C.				
	1x1.50mx0.75m=1.125sqm	2.162	sqm	407.50	881.02
	2(2.00+1.25)mx0.125m=0.812sqm				
	1x1.80mx0.125m=0.225sqm				
10	Supplying all materials ,labour T&P and providing M.S .reinforcement for RCC work including cutting ,bending ,binding and tying the grills and placing the position including cost of binding wire 18 to 20 gauge conveyance of all materialsto work site payment of royalty ,taxes etc all complete as per direction of E.I.C.				

	13x1.95m=25.35m	0.185	qntl	5009.40	926.74
	21x1.20m=25.20m				
	8x0.45m=3.60m(-)				
	46.95mx0.395kg/Rmtr=0.185Qtl				
11	Supplying all materials, labour, T & P and providing RCC(1:1.5:3) with 12mm size bhg chips for RCC works including hoisting, laying, watering, curing, conveyance of all materials to work site, payment of royalty, taxes etc all complete as per the direction of E.I.C.				
	1x2.00mx1.25mx0.125m=0.312cum	0.287	cum	6102.10	1751.30
	1x0.45mx0.45mx0.125m=0.025cum(-)				
12	Supplying all materials, labour, T&P and providing 550x550x100mm thick RCCprecast M.H cover in CC(1:1.5:3) using 12mm size bhg chips, placing the cover on the MH/S.Tank & finishing smooth etc all complete including watering, curing, conveyance of all materials to worksite, payment of royalty,taxes etc all complete as per the specification and direction of E.I.C.				
		1.00	each	227.10	227.10
13	Supplying all materials,labour,T&P and providing, fitting and fixing of 110mm dia PVC Tee in wall of ST including filling the recess with cc(1:1.5:3)with 12mm size BHG chip including watering,curing,conveyance of all materials to work site,payment of royalty,taxes etc all complete as per the direction of E.I.C.				
		2.00	each	386.80	773.60
14	Supplying all materials labour ,T&Pand providing cement flush pointing (1:3)to brick masonry including watering ,curing ,conveyance of all materialsto worksite payment of royalty taxes etc all complete as per specification and direction of E.I.C.				
	2(2.25+1.50)mx1.05m=7.875sqm	11.775	sqm	128.60	1514.27
	2(2.00+1.25)mx0.60m=3.900sqm				
15	Filling in F&P with excavated materials including watering and ramming as per the direction of E.I.C.				
	Total earthwork=9.639cum	2.531	cum	101.86	257.81
	Sand filling=0.688cum(-)				
	CC(1:3:6)=0.459cum(-)				
	CC1:1.5:3)=0.918cum(-)				
	Bk.Work(1:4)=3.187cum(-)				
	Voids=1x1.5mx0.75mx1.65m=1.856cum(-)				
16	Factory made single leaf rigid FRP(alternately called GRP) sandwich composite door shutter of 32mm thick laminated with two GRP skins with wood grain finish fabricated using UV-stabilised Isophthalic Gelcoat and one layer of 450 gsm E-glass Chopped Strand Mat (CSM) impregnated with orthophthalic polyester resin. The thickness of the skins shall not be less than 1.50mm Expanded Polystyrene(EPS) structural foam panel of 29mm thickness and a density of 20kg/cu.mtr shall be used as core material. Wooden reinforcements made of seasoned sal wood block of cross section not less than 28mmx32mm and also necessary sal wood reinforcements for fitting the metal fittings such as tower bolts, aldrops, handles etc shall be provided. A structural adhesive compatible with (EPS) foam shall be used for bending the core material, the sal wood reinforcements and the skins. The material and process for manufacturing the door shutters shall conform to RV-TIFAC composites Design Centre's standards and specifications and the door shutters tested in conformation to IS: 4020-1998. The finish of door shutter will be plain colour white/ Ivory/ Beige/Light grey/ Mahogany/Teak wood or any other colour using high quality pigments. Three heavy whight mild steel butt hinges type-I(ISI marked) size 100mm are to be fitted on one side of shutter.				
	1x0.75mx1.85m=1.387sqm	1.387	sqm	3181.10	4412.19

17	Factory made FRP(alternately called GRP) door frame of size 75mmx100mm fabricated using E-glass Chopped Strand Mat (CSM) U.V stabilised Inophthalic Gelcoat and impregnated with Inophthalic resin. The thickness of the GRP skins shall not be less than 2.00mm. The door frame consist of four segments which are provided with plug-in-socket arrangement in-situ in the mould. The segments are plugged in and are joined together by means of screw. The GRP frame shall be provided with wooden reinforcement on six locations for high screw holding capacity for for fixing metallic hold fast and shall be consolidated by filling with medium density foam/plaster of paris with fibre reinforcement, Six numbers of 260mm x 25mm x 5mm size 'S' shaped M.S flat hold fast shall be provided with the frame. The material and process for manufacturing the door frames shall conform to RV-TIFAC composites Design Centre's standards and specifications. The finish of door frame will be plain colour white/ Ivory/ Beige/ Light grey/ Golden brown/Mahogany/ Teak wood/sand stone/Champagne/Pastel blue or any other colour using high quality pigments complete in all respect as per specification and direction of the E.I.C				
	1x(0.75m+1.85m+1.85m)=4.45mtr	4.45	mtr	551.70	2455.07
18	Supplying all materials ,labour, T&P and providing CC(1;2;4) with 12mm size and HBG chips including watering, curing, conveyance of all materials to worksite payment of royalty, taxes etc. all complete as per specification and direction of E.I.C.				
	1x1.80mx1.25mx0.05m =0.113cum	0.106	cum	5491.70	582.12
	1x0.50mx0.30mx0.050m=0.007cum(-)				
19	Supplying all materials, labour , T&P and fixing ceramic tiles/marble tiles/chequered tile in floors, treads and landing on 25mm thick bed of cement slurry mixed with pigments to match the shades of the tiles including rubbing and polishing complete as per the specification and direction of E.I.C.				
	1x1.80mx1.25m=2.250sqm	2.287	sqm	954.90	2183.86
	1x0.75mx0.25m=0.187sqm				
	1x0.50mx0.30m=0.150sqm(-)				
20	Supplying all materials, labour, T&P and fixing porcelain glazed tiles/marble tiles/kota tiles /kodappa tiles on 12mm thick CP(1:3) jointed with neat cement slurry mixed with pigments to match the shades of the tiles including rubbing and polishing complete as per the direction of E.I.C.				
	1x5.65mx1.50m=8.475sqm	8.475	sqm	1006.70	8531.78
21	Supplying all materials, labour, T&P and fitting & fixing of OD-UPVC soil waste ventilating pipes and fitting of the following O.D conforming to ISI No.13592/1992 to walls with nails bobbins and wooden plugs or earth work in excavation in all kinds of soil for laying in trenches including jointing with supply of approved rubber lubricant by non-heat application method/as per manufactures specification including testing and refilling and trenches as per direction of E.I.C.				
a.	110mm dia PVC pipe	19.85	mtr	203.30	4035.51
	'P'-Trap to HRB=(1x0.60)m=0.60m				
	'P'-Trap to D/B=(1x0.40)m=0.40m				
	Basin/Sink Waste=1.80m+1.80m=3.60m				
	P/B to LP=2x3.00m+2.75m=8.75m				
	HRB to I/C=(1x1.70)m=1.70m				
	Ventpipe=(3.00+1.80)m=4.80m				
b.	110mm dia PVC'P' trap	4.00	each	299.70	1198.80
c.	110mm dia.PVC S/J/D	1.00	each	296.70	296.70
d.	110mm dia.PVC H.R.Bend	1.00	each	147.30	147.30
e.	110mm dia.PVC Door Bend	3.00	each	204.70	614.10
f.	110mm dia PVC Plain Bend	3.00	each	147.00	441.00
g.	110mm dia PVC offset	1.00	each	180.50	180.50
h.	110mm dia PVC Cowl	2.00	each	77.30	154.60
i.	125mm dia CP greatings	3.00	each	67.80	203.40
22	Supplying all materials,labour,T&P and cutting holes through brick/stone masonry walls for taking PVC pipes and fittings including making good the damages etc. all complete				

	as per the P.H. specification and direction of E.I.C.				
a.	375mm thick wall	4.00	each	204.00	816.00
b.	Roof cutting	1.00	each	140.80	140.80
23	Supplying all materials, labour, T&P for fixings water closet, squatting pan (I.W.C pan/ Orissa pattern squatting pan) of ISI mark of (Parry ware/Hind ware/Nycer) dully embedded in CC(1:5:10) using 4cm h.g. metal all complete as per the direction of E.I.C.				
a.	500mm Orissa Pan(White)	1.00	each	2138.40	2138.40
24	Supplying all materials,labour,T&P and fixing wash basin of ISI mark of (Parry ware/Hind ware/Nycer) with hole for pillar taps with cast iron or M.S. brackets painted white including cutting holes in walls and good the damages etc. all complete as per specification and direction E.I.C .				
a.	550mmx400mm size WHB	1.00	each	1740.90	1740.90
25	Supplying all materials,labour,T&P and constructing inspection chamber of the following sizes with cc(1:3: 6)using 40mm size HG metal on bed,1st class K.B brickwork in cm(1:6),moulding & shapping the channel inside & benching with cc(1:1.5:3)using 12mm size HG chips,12mm thick cp(1:3) with punning to inside, cement flush pointing (1:3)to out side,RCC coverslab in cc(1;1.5:3)using 12mm size HG chips with RCC MH cover in excavation in all kinds of soil & refilling the cavity around the chamber including watering, curing, conveyance of all materials to worksite,payment of royalty,taxes etc all complete as per approved specification & direction of the E.I.C.				
a.	Inside size 760mmx760mmx460mm	1.00	each	7302.30	7302.30
26	Supplying all materials,labour,T&P and laying of 110mm dia.PVC pipes,in trenches (to level or slope) and jointing with supply of approved rubber lubricant by non heat application method using 40mm bhg metals on bed of the trench and hunching or allround concrete encasing with CC(1:4:8) using 40mm size h.g metal including curing,conveyance of all materials to worksite,payment of royalty,taxes etc. and testing all complete as per approved drawing,design,specification and direction of E.I.C.				
a.	110mm dia PVC pipe with allround encasing	10.00	mtr	1028.10	10281.00
27	Supplying all material, labour, T&P and constructing soakway pit of the following sizes with dry brick walling from bottom upto invert of inlet pipe and 1st class K.B brickwork in C.M(1: 6) for the remaining height at top, 12mm thick C.P(1: 4) inside and outside over masonry brickwork gravel packing in the rear of well steining, R.C.C cover slab in C.C(1: 1.5: 3) using 12mm size h.g chips fitted with iron lifting handles including earthwork in open well excavation in all kinds of soil and refilling the cavity around the pit & painting the iron wirk, watering, curing, conveyance of all materials to worksite, payment of royalty, taxes etc. all complete as per approved drawing, specification and direction of E.I.C.				
a.	1.20m dia x 2.00m deep inside size	1.00	each	13677.70	13677.70
28	Supplying all materials,labour,T&P and constructing Leach pit of the following size with 1st class KB brick work in cm(1:4),12mm thick CP(1:4) inside and outside over masonry brickwork upto 0.60mtr deep,RCC coverslab in cc(1:1.5:3)using 12mm HG chips including earthwork in openwell excavation in all kinds of soil and refilling of cavity around the pit,watering,curing,conveyance of all materials to worksite,payment of royalty,taxes etc all complete as per approved specification & direction of the E.I.C.				
a.	1.20m dia x 2.00m deep inside size	2.00	each	14751.40	29502.80
29	Supplying all materials,labour,T&P and fixing of rotational moulded polythene cylindrical water storage tank of 1000litres capacity conforming to IS:1570/1996 including cutting holes through the tank and fixing mild steel tubes and fittings and providing extra tubes and jamnuts including hoisting upto a height of 5mtr above GL and placing the tank on required position and providing masonry staging with 1st class KB brick work in cm(1:6),of 0.46m height,12mm CP(1:6),RCC beam of 0.25mx0.30mx2.60m in RCC(1:1.5:3) using 12mm bhg chips including centering and shuterling,cutting,bending,binding of rods etc and watering,curing, conveyance of all materials to worksite including cost of 2000litres water storage tank etc.				
		1.00	each	19586.60	19586.60
30	Supplying all materials,labour,T&P and providing and fixing to wall,ceiling and floor pvc pipes conforming to ASTM-D-1785/89(sch-80)and pipe fittings of the nominal bore with clamps including making good the wall,ceiling and floor all complete as per specification and direction of E.I.C.				

a.	25mm dia PVC Pipe(External)	40.00	mtr	138.60	5,544.00
b.	20mm dia PVC Pipe(Internal)	10.00	mtr	109.50	1,095.00
31	Supplying all materials,labour,T&P and cutting holes for taking G.I/PVC pipes and making good the damages as per the direction of E.I.C.				
		3.00	each	44.30	132.90
32	Supplying all materials,labour,T&P and cutting holes in R.C.C.floors,roofs etc upto 19cm thick for passing G.I/PVC pipes and fitting etc. and repairing the holes after insertion of pipes etc with cc (1:2:4) including finishing complete so as to make it leak proof as per direction of E.I.C.				
		2.00	each	159.30	318.60
33	Supplying all materials,labour,T&P and cutting grooves in pucca floor and walls for taking G.I/ PVC pipes and making good the damages as per the direction of E.I.C.				
		10.00	mtr	155.50	1,555.00
34	Supplying all materials,labour,T&P and fixing brass/CP fittings conforming to IS 781 of the following nominal bore with supply of all jointsing materials complete as per specification and direction of E.I.C.				
a.	15mm dia C.P Bib Cock(L.B)	2.00	each	820.40	1,640.80
b.	15mm dia C.P Bib cock(S.B)	1.00	each	695.80	695.80
c.	15mm dia C.P Angle Stop Cock	2.00	each	709.70	1,419.40
d.	15mm dia C.P Pillar cock	1.00	each	694.30	694.30
e.	15mm dia C.P Concealed Stop Cock	1.00	each	1074.00	1,074.00
f.	25mm dia brass F.W.V	2.00	each	1054.20	2108.40
35	Supplying all materials,labour,T&P and fitting and fixing 10Ltrs capacity PVC LL flushing cistern of ISI mark of (Parry ware/Hind ware/Nycer) with a pair of C.I/M.S.brackets complete with fittings such as syphonic arrangement,15mm nominal size Brass/ PVC ball valve with polythene float,CP/Brass handle,unions and couplings for connection with inlet,outlet, overflow pipes,32mm dia PVC flush bend,15mm dia PVC connection pipes including cutting holes and making good the same and connecting the flush bend with cistern and closet and connecting inlet pipe with supply main with etc all complete as per specification and direction of the E.I.C				
a.	10 lit PVC L/L Cistern	1.00	each	1451.80	1,451.80
36	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 screw and washer complete as per specification and direction of the E.I.C.				
a.	Plastic moulded frame rectangular shape 453x357mm	1.00	each	624.80	624.80
37	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 specifications and direction of E.I.C.				
		2.00	each	262.40	524.80
38	Supplying all materials,labour,T&P and fixing standard sized CP towel rail complete with CP brass brackets fixed to wooden plugs with CP screws as per specification and direction of E.I.C.				
a.	20mmx450mm long CP towel rail	2.00	each	798.80	1,597.60
39	Supplying all materials,labour,T&P and fixing CP shower with 15mm or 20mm inlet with CP shower arm including polishing all complete as per specification and direction of E.I.C.				
a.	15mmx100mm long	1.00	each	458.30	458.30
40	supplying all labour,T&P materials & fixing wash Kitchen Sink with CI/MS brackets painted white including holes in walls and making good the damages etc. all complete as per P.H specification and direction of E.I.C.				
a.	450mmx400mmx150mm size	1.00	each	2992.60	2992.60
41	Sinking of 125mmx100mm dia Tube well by fast drilling Sofasticated Rig.				-
a.	Labour for drilling of perfectly vertical bore holes as specified dia.For a specified depth rock with down the hole hammer drilling rig combination drilling rig as required to soil,the soil condition as per direction of E.I.C including supply of rigs with all accessories,T&P consumable etc for lowering 125mm dia PVC pipes for casing fitted				

	with sockets,washers and without well screen as per the necessity for the soft,medium and hard formation(PCV/G.I)casing pipes for the over borden is to be provided by the contractor including lowering and drawing after complete of tube well.Tube well(1No).				
i.	Drilling of 125mm dia. Bore-0.00mtr to 30.00mtr	30.00	mtr	480.00	14,400.00
ii.	Drilling of 100mm dia. Bore-30.00mtr to 60.00mtr	30.00	mtr	480.00	14,400.00
b	Lowering the following G.I/PVC pipe confirming to ASTM-D-1785/89(sch-80) with or without soltted pipes as per necessity from ground level upto 30.00mtr depth and fitted and fixed in perfectly vertical position including cutting and threading pipes and soltted pipes and supplying and fixing of all jointing material,T&P etc the top of the casing pipe threaded including piping tube well to prevent entry of foreign materials from above(PVC/G.I) supplied by the contractor (including cost of pipe)				
i.	Lowering of 125mm dia PVC pipes:00.00 mtr to30.00mtr	30.00	mtr	70.00	2100.00
ii.	Cost of 125mm dia PVC pipes:-00.00mtr to 30.60mtr	30.60	mtr	566.8	17344.08
c.	Cleaning and developing the tubewell with their own compressor contineously worked till clean and adiqate discharge is obtained from the tube well including supply of & use of all necessary equipments and labour as per the direction of E.I.C.				
		1.00	each	2000.00	2,000.00
42	<u>0.50H.P.Single Phase Submersible Pump Set</u>				-
a.	Supplying of ISI mark 0.50HP Single Phase Verical Submersible Pump Set with discharge of 900-1000ltr /hour and a head of 50-60mtr of reputed make like KSB/Texmo & equivalent including all cost, conveyance and taxes etc all complete as per direction of E-I-C.				
		1.00	each	15849.15	15849.15
b.	Supplying all labour,T&P and fitting and fixing of 0.50HP Single phase vetrical Submersible Pump Set with commissioning and testing etc.all complete as per direction of E.I.C.				
		1.00	each	1316.00	1316.00
c.	Supplying,fitting and fixing of ISI mark DOL Starter of reputed make like BCH or equivalent for 0.50H.P Single Phase Submersible Pump including all cost,conveyance of all taxes etc all complete as per direction of the E.I.C.				
		1.00	each	2809.32	2809.32
d.	Supplying fitting and fixing of three core flat cable(1.5mm ²) of ISI make of reputed company like BCH/ Finolex or Equivalent and connecting the pump and starter including all cost,conveyance and taxes etc all complete as per direction of the E.I.C.				
		50.00	mtr	71.70	3585.00
e.	Supplying fitting and fixing of plastic rope MS Well cover,MS Clamp,stainless steel short piece,bend & socket including all cost ,taxes etc all complete as perdirection of the E.I.C.				
		1.00	each	1660.00	1660.00
f.	Supplying fitting and fixing of HDPE Pipes & pipe fittings with making connection to pump set including all cost conveyance and taxes etc all complete as per direction of the E.I.C.				
		50.00	mtr	63.98	3199.00
43	Supply of all materials,labour,T&P and fitting & fixing of 5 K.W automatic voltage stabilizer having range from 50 Volt to 220 Volt suitable to run 1.00 H.P Submersible pump set including electrical connection from the existing mains & with the control panels of the pump set etc.all complete as per specification and direction of E.I.C.				
		1.00	each	9375.00	9375.00
				Sub-Total	253899.67

The total estimated cost for BENGAON PHC = I + II + III = Rs 23,18,950.00

LEAD STATEMENT- FOR BENGAON PHC

Sl No	Material	Unit	Quarry	Lead in km	Lead cost	Royalty	Material cost	Total Amount
1	2	3	4	5	6	7	8	9
1	HG stone (H.B)	cum	Local	13	220.07	130.00	245.41	595.48
2	40mm size metal (C.B.)	cum	Pokhribandh	37	431.27	130.00	724.76	1286.03
3	20mm size chips (C.B.)	cum	Pokhribandh	37	431.27	130.00	1046.67	1607.94
4	12 mm HGCB chips	cum	Pokhribandh	37	431.27	130.00	1063.81	1625.08
5	10 mm HGCB chips	cum	Pokhribandh	37	431.27	130.00	1095.24	1656.51
6	6.7 mm HG CB chips	cum	Pokhribandh	37	431.27	130.00	775.24	1336.51
7	Sand for filling	cum	Ret	37	431.27	35.00	53.33	519.60
8	Sand for mortar	cum	Ret	37	431.27	35.00	56.19	522.46
9	Moorum	cum	local	5	149.67	35.00	47.62	232.29
10	C.B. Bricks	1000 nos	local	10	466.00		2726.81	3192.81
11	Fly ash Bricks	1000 nos	Langigarh	36	878.09		3495.32	4373.41
12	Cement	Qntl	Kesinga	95	86.04		480.00	566.04
13	Steel (SAIL)	MT	Kesinga	95	860.40		47372.88	48233.28
14	Tiles	Sqm	Kesinga	95	23.25			23.25

Certified that the above leads are correct and minimum to the best of my knowledge.

Labour	Rs	280.00	Per Day
Semiskilled Labour	Rs	330.00	Per Day
Second class Mason	Rs	370.00	Per Day
First class Mason	Rs	430.00	Per Day

GRAND TOTAL OF THREE PROJECTS = A+B+C = RS.69,95,749/-

((The above are part of the Part-1 (Technical bid) and this page is end of Part-1))

PART- 2

(PRICE/FINANCIAL BID)

NIT No. MMTC/BBSR/CSR/KALAHANDI/3-L.R./2018-19

Date: 23.01.2019

NOTICE INVITING TENDER (NIT) FOR CONSTRUCTION OF LABOUR ROOMS AT REGEDA PHC UNDER KARLAMUNDA BLOCK, AT UTKELA PHC UNDER KESINGA BLOCK & AT BENGAON PHC UNDER LANJIGARH BLOCK OF KALAHANDI DISTRICT OF ODISHA THROUGH CSR ACTIVITIES FOR F/Y. 2018-19.

(Last Date & Time for submission of Bid : 31-01-2019 at 15:00 Hours and
Technical bids to be opened at 16:00 hrs in MMTC Office, Bhubaneswar)

Sl. No.	Name of construction projects	Basic Total Estimated cost in Rs.	Offer of Bidders in Percentage in figure (EXCESS OR, LESS INTO ONE DECIMAL POINT)	Offer of Bidders in Percentage in WORDS (EXCESS OR, LESS INTO ONE DECIMAL POINT)
01	CONSTRUCTION OF LABOUR ROOMS AT REGEDA PHC UNDER KARLAMUNDA BLOCK OF KALAHANDI DISTRICT OF ODISHA, INDIA	Rs. 23,35,087/-	-----% EXCESS/ LESS (Tick One)	(In words)
02	CONSTRUCTION OF LABOUR ROOMS AT UTKELA PHC UNDER KESINGA BLOCK OF KALAHANDI DISTRICT OF ODISHA, INDIA	Rs. 23,41,712/-	-----% EXCESS/ LESS (Tick One)	(In words)
03	CONSTRUCTION OF LABOUR ROOMS AT BENGAON PHC UNDER LANJIGARH BLOCK OF KALAHANDI DISTRICT OF ODISHA, INDIA	Rs.23,18,950/-	-----% EXCESS/ LESS (Tick One)	(In words)

N.B. The above prices are exclusive of GST. It is required for the prospective bidders/tenderers to quote for one or, more project(s) in price bid format.

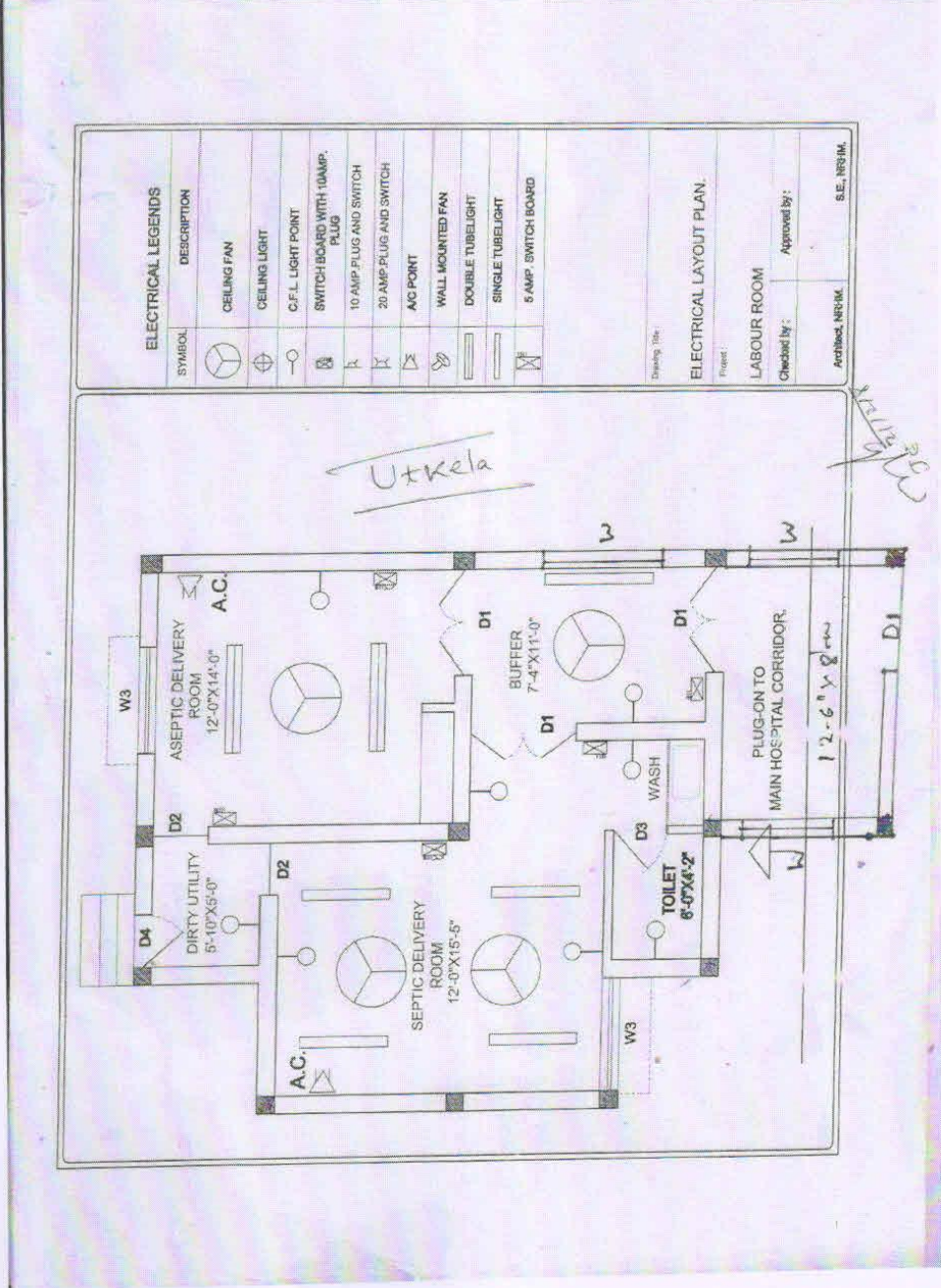
Validity of the offer for acceptance by MMTC	30 days from the date of opening of the price bid.
--	--

Place:
Date:

Signature of the Bidder with Official Seal/Stamp

NIT No. MMTC/BBSR/CSR/KALAHANDI/3-L.R./2018-19

Date: 23.01.2019

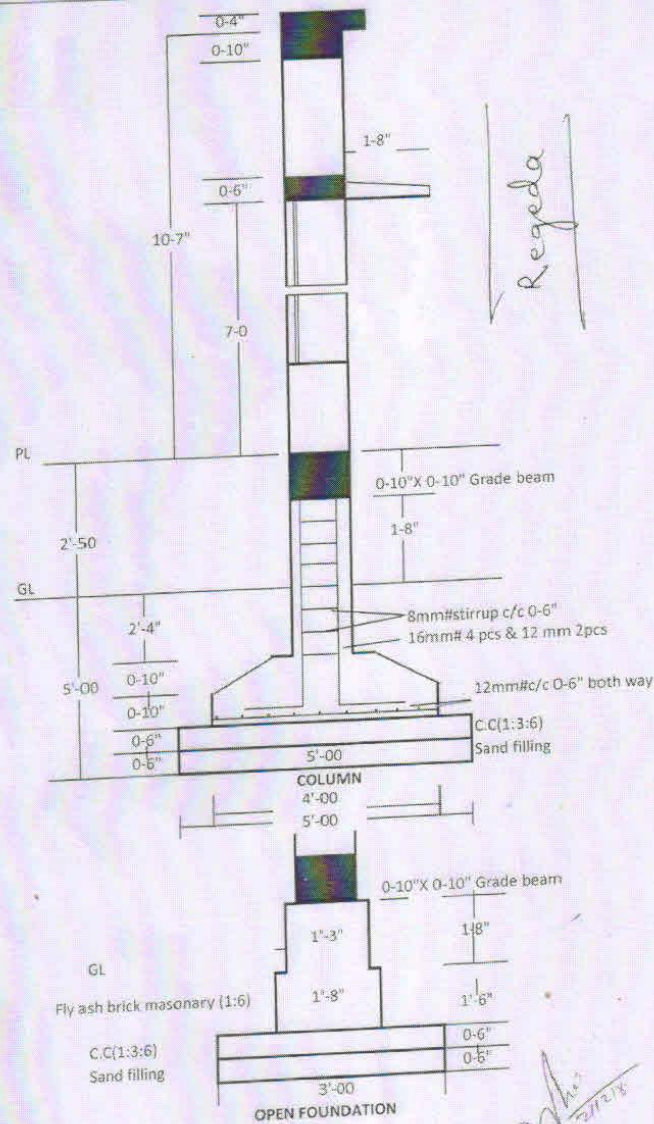


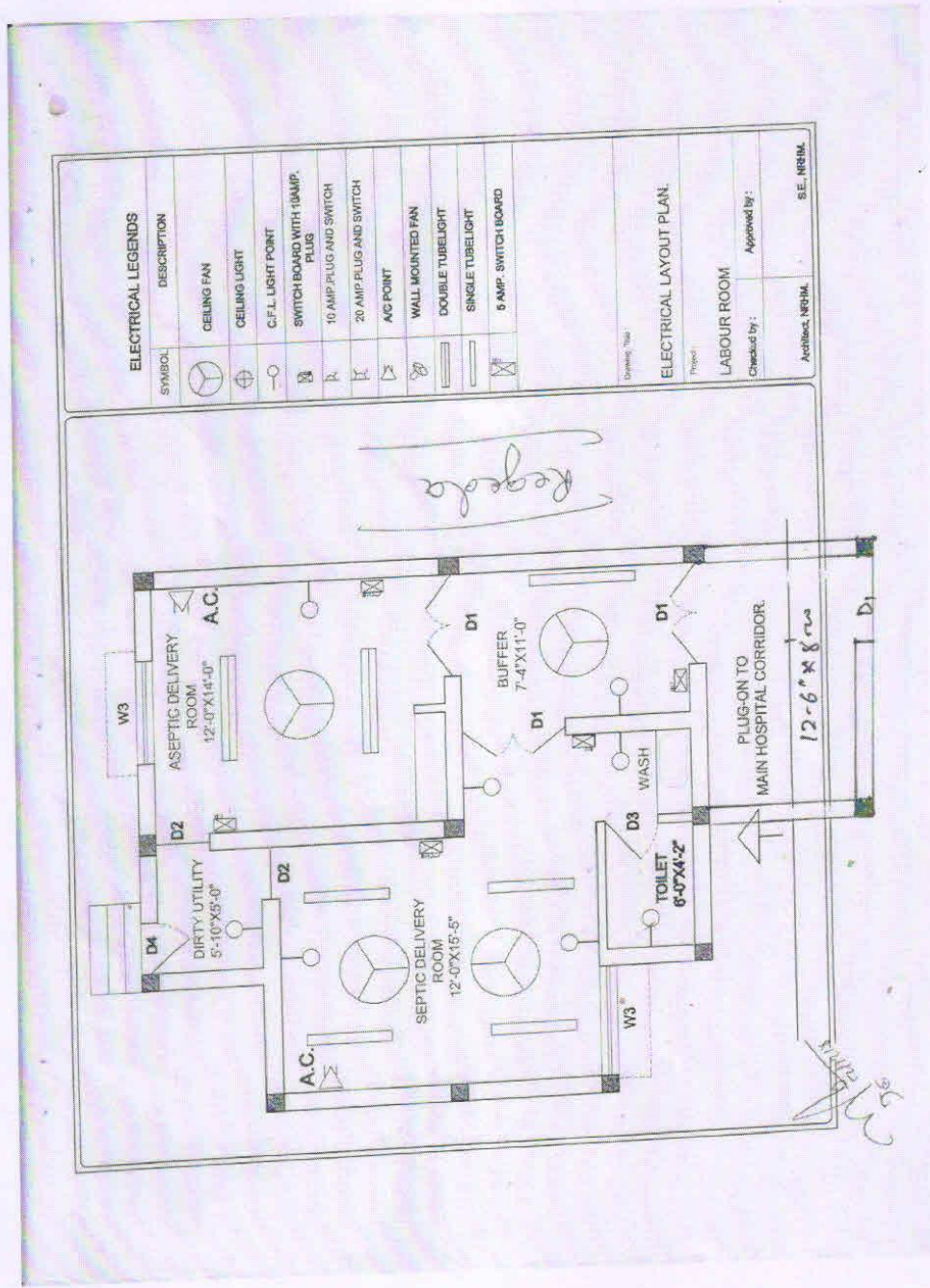
ELECTRICAL LEGENDS	
SYMBOL	DESCRIPTION
	CEILING FAN
	CEILING LIGHT
	C.F.L. LIGHT POINT
	SWITCH BOARD WITH 10AMP. PLUG
	10 AMP PLUG AND SWITCH
	20 AMP PLUG AND SWITCH
	A.C. POINT
	WALL MOUNTED FAN
	DOUBLE TUBE LIGHT
	SINGLE TUBE LIGHT
	5 AMP. SWITCH BOARD

Drawing Title: ELECTRICAL LAYOUT PLAN.
 Project: LABOUR ROOM
 Checked by: _____ Approved by: _____
 Architect: MRS/M. S.E. NRS/IM.

Handwritten signature/initials

FOUNDATION DETAILS

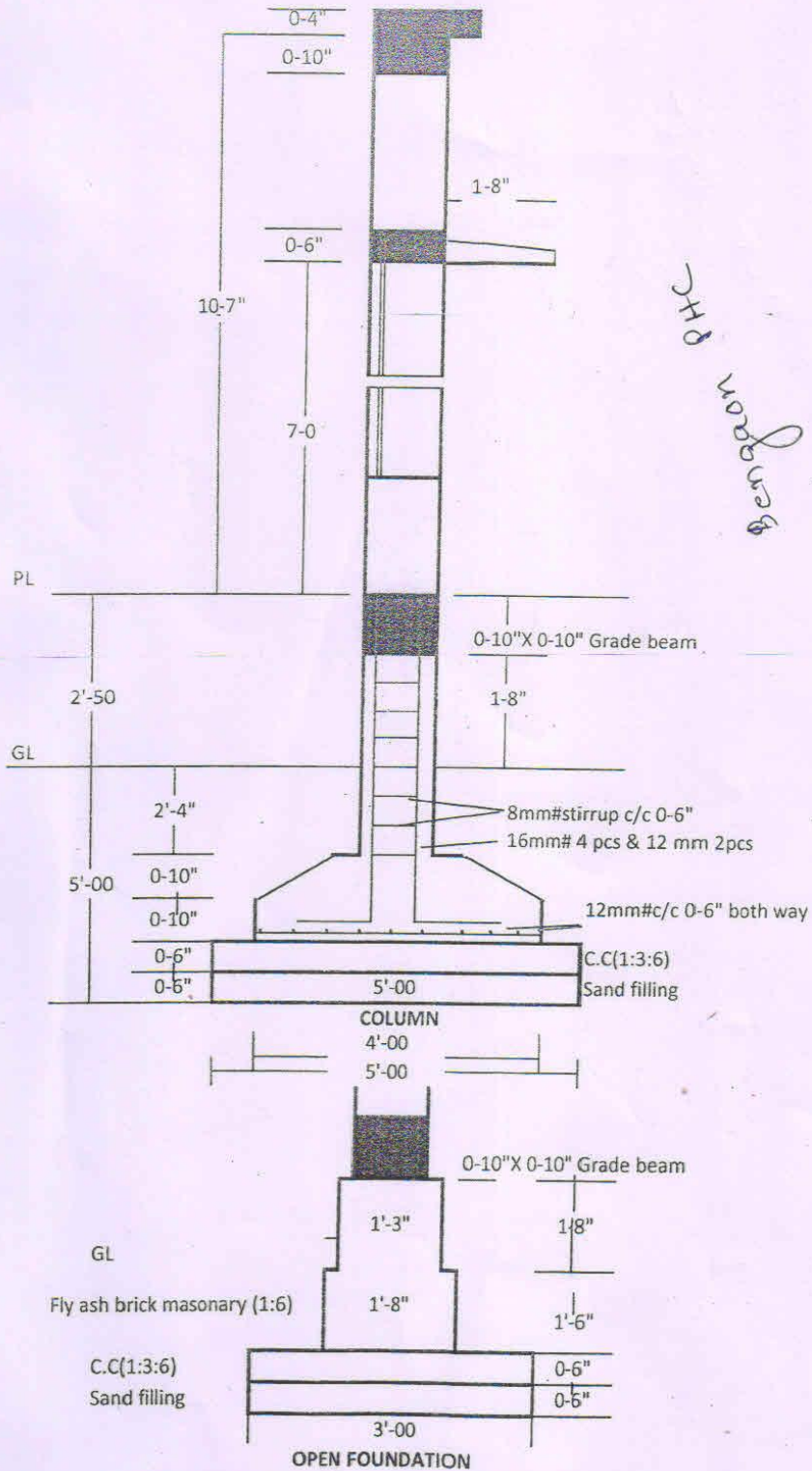




ELECTRICAL LEGENDS	
SYMBOL	DESCRIPTION
	CEILING FAN
	CEILING LIGHT
	C.F.L. LIGHT POINT
	SWITCH BOARD WITH 10AMP. PLUG
	10 AMP. PLUG AND SWITCH
	20 AMP. PLUG AND SWITCH
	A/C POINT
	WALL MOUNTED FAN
	DOUBLE TUBELIGHT
	SINGLE TUBELIGHT
	5 AMP. SWITCH BOARD

Electrical LAYOUT PLAN
 Project: LABOUR ROOM
 Checked by: _____ Approved by: _____
 Architect: NRBHM. S.E. NRBHM.

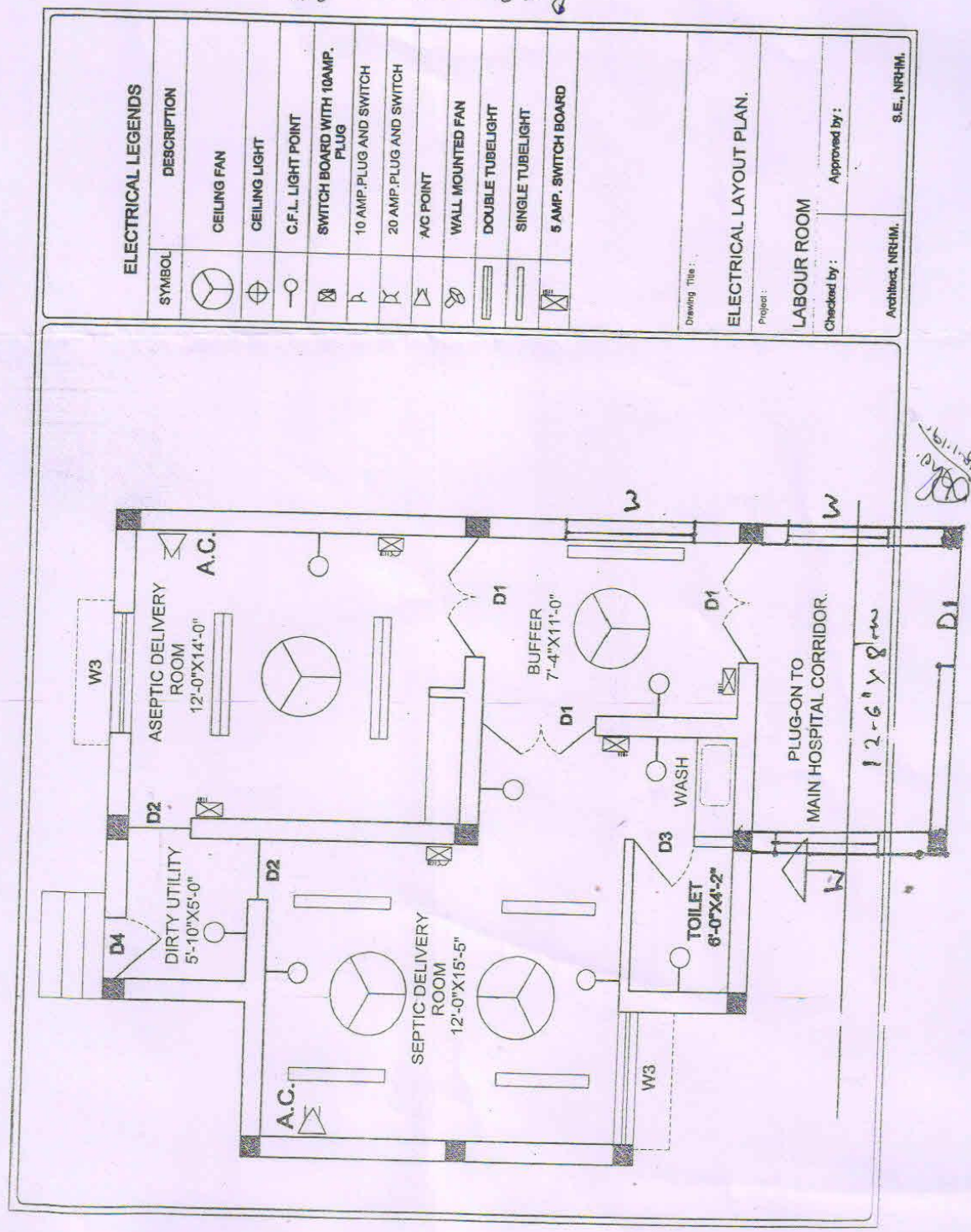
FOUNDATION DETAILS



Bansari P.H.C.

18/1/19

Bergaan PDC



ELECTRICAL LEGENDS	
SYMBOL	DESCRIPTION
	CEILING FAN
	CEILING LIGHT
	C.F.L. LIGHT POINT
	SWITCH BOARD WITH 10AMP. PLUG
	10 AMP. PLUG AND SWITCH
	20 AMP. PLUG AND SWITCH
	A/C POINT
	WALL MOUNTED FAN
	DOUBLE TUBELIGHT
	SINGLE TUBELIGHT
	5 AMP. SWITCH BOARD

Drawing Title :
ELECTRICAL LAYOUT PLAN.
 Project :
LABOUR ROOM
 Checked by :
 Approved by :
 Architect, NRHM.
 S.E., NRHM.