



GOVERNMENT OF ORISSA

**TECHNICAL BID DOCUMENTS / DETAILED TENDER CALL NOTICE FOR THE WORK  
Construction of Day Care SC cum HWC building at Bagdia  
under CHC, Binka for 2022-23.**

Estimated Cost Put To Tender:

**Rs.37.78 Lakhs**

**OFFICE OF THE CDO-CUM-EO,ZP, SONEPUR**

CONTRACTOR

CDO-CUM-EO,ZP, Sonepur

Officer

Signature

Date

Place



**GOVERNMENT OF ODISHA**

**OFFICE OF THE CDO-CUM-EO,ZP, SONEPUR**

**Tender call Notice**

**BID IDENTIFICATION No:**

**No. 5182// Dt. 19.09.2022//**

1. The **CDO-CUM-EO,ZP, Sonapur** on behalf of Governor of Odisha, invites **Percentage Rate** bids in Single Cover System in **offline Mode** for construction of Building works detailed in the **DTCN** from the eligible Class of Contractors.
2. No. of work : **01 (one)**
3. Tender Cost : **Rs.6,000/-**
4. Class of Contractor : **"C" & "B" Class Contractor**
5. Date and time Available in Web site & receipt of Bids: **from 10.00 A.M. of 26.09.2022 to 5.00 P.M. of 12.10.2022.**
6. Date of Opening of Tender: **14.10.2022 at 12.00 Noon.**
7. The Bidders have to participate in bidding only further details can be seen from the Web Site.
8. Any Corrigendum / Addendum will be displayed in the website [www.subarnapur.nic.in](http://www.subarnapur.nic.in) only.

**S/d- N.R Kanhar  
CDO-CUM-EO,ZP, Sonapur**

**Memo No. 5183/ Date. 19.09.2022**

Copy submitted to the Manager (Publication), I & P.R. Department, Odisha, Bhubaneswar with a request to get it published in two leading Oriya Daily and one no of Local English Daily News Paper at an early date for wide circulation of the Tender Call Notice. Complimentary copy of the News Papers containing the Tender Call Notice may be sent to this office for reference and record.

**S/d- N.R Kanhar  
CDO-CUM-EO,ZP, Sonapur**

CHIEF DISTRICT OFFICER CUM EXECUTIVE OFFICER, ZILLA  
PARISAD, SUBARNAPUR



CDO-CUM-EO,ZILLA PARISAD,SUBARNAPUR

No: ...5182

Date: 19-09-2022

**NOTICE**

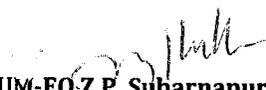
Sealed tender is hereby invited from eligible contractors for execution of the civil work of Const. of Day Care S.C Cum-HWC building at Sibtula, Bagdia, Khaliapali, Chadaipank, Bagbahali, Karlajuri, Mahada, Rampur, Sahala, Silati, Salepali, Sukha, Gailgudi and Mayabarha of Subarnapur District. Detail term and condition may be downloaded from the website [www.subarnapur.nic.in](http://www.subarnapur.nic.in). The tender documents will be available in the website from dt.26.9.2022. To Dt.12.10.2022 The tender should reach the Office of the undersigned by dt.13.10.2022 (till 5:00 PM) . Tender will be opened at 12:00 AM on dt.14.10.2022. The undersigned reserves the right to cancel all or any bids without any reason thereof. Late received & incomplete bids will not be entertained. No personal quarry to be entertained.

Sd/-N.R.Kanhar  
CDO-CUM-EO,Z.P, Subarnapur

Memo No. 5183

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CDO-CUM-EO,Z.P, Subarnapur



## GOVERNMENT OF ODISHA

OFFICE OF THE CDO-CUM-EO,ZP , SONEPUR

E-mail – [www.subarnapur.nic.in](http://www.subarnapur.nic.in)

### INVITATIONS FOR BIDS

The CDO-CUM-EO,ZP, Sonepur on behalf of Governor of Odisha invites **Percentage Rate bids in Single cover system** for the construction of work as detailed in the table, from the class of eligible contractors as mentioned in column-5 (five) registered with the State Governments and Contractors of equivalent Grades /Class Registered with Central Government / MES / Railways for execution of Boundary wall / Roads, Building & Electrical Works. The proof of registration from the appropriate authority shall be enclosed along with the Bid. If successful, the bidder who has not registered under state government has to register under the state PWD in appropriate class of eligibility before signing of the **agreement**.

Sl. No	Name of the work	Approximate value of work	Period of completion	Class of Bidder	Cost Bid Document (Rs.) (Online)	Last date & time through courier /Registered post receipt of Bids
1	2	3	4	5	6	7
1.	Construction of Day care SC CUM HWC building at Bagdia for the yaer 2022-23.	37.78Lakhs	6 (six) Calendar month	"C" & "B" Class	Rs. 6,000/- + 18% GST	13.10.2022 Up to 5:00 P.M.

1. Bid documents consisting of plans, specifications, the schedule of quantities and the set of terms & Conditions of contract and other necessary Documents can be seen in the website [www.subarnapur.nic.in](http://www.subarnapur.nic.in)
2. The Bid documents will be available in the website [www.subarnapur.nic.in](http://www.subarnapur.nic.in) from **10 00 A.M. of 26.09.2022 to 5.00 P.M. of 12.10.2022.**
3. Bids received "off-line" shall be opened **at 12.00 Noon. on 14.10.2022** in the office of the CDO-CUM-EO,ZP, Sonepur, Odisha in the presence of bidders who wish to attend. Bidders who wish to participate in the bid can witness the opening of bids. If the office happens to be closed on the stipulated date of opening of Bids as specified, the bids will be opened on the next working day at the same time and venue.
4. The cost of bid documents has to be paid by each bidder in shape of **Bank Draft in favour of the CDO-CUM-EO,ZILLA PARISAD, Sonepur** (from any nationalized scheduled bank payable at Sonepur for the work **Serial No.1 to 3 for Rs.6,000/- +18% GST** towards cost of tender paper and bid security declaration to be uploaded.
5. Detailed information as contained in the D.T.C.N. shall have to be strictly adhered to while submitting the tender papers.
6. Engineer Contractor desirous to avail the facility of exemption of E.M.D. (only for civil work) is required to upload an affidavit to the effect that he has not yet availed the facility for more than three works during the current financial year.
7. The SC/ST Contractor asking for price preference has to upload the affidavit for the same, otherwise the claim for price preference will not be accepted.

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CDO-CUM-EO,ZP, Subarnapur  
Chief Executive Officer  
-cum-Executive Officer  
Zilla Parishad, Subarnapur

8. Other details can be seen in the bid documents.

9. This notice is to be read with all the Clauses / addendum to the "Procedure to participate in bidding".

10. If any of the intending bidders wish to withdraw from participation in the bid, he/she can freely **withdraw** from the participation before scheduled date and time of closure, failing which action as deemed fit as per relevant codal practice will be taken against him/her.

11. Any corrigendum / Addendum will be displayed in the website [www.subarnapur.nic.in](http://www.subarnapur.nic.in) only.

12. Conditional tender will be summarily rejected. The department reserves the right to reject any or all bids without assigning any reason thereof.

**S/d- N.R Kanhar**  
**CDO-CUM-EO,ZP, Sonepur**

**Memo No. .... Dated.**

Copy submitted to the Manager (Publication), I & P.R. Department, Odisha, Bhubaneswar with a request to get it published in two leading Oriya Daily and one no of Local English Daily New Paper at an early date for wide circulation of the Tender Call Notice. Complimentary copy of the News Papers containing the Tender Call Notice may be sent to this office for reference and record

**S/d- N.R Kanhar**  
**CDO-CUM-EO,ZP, Sonepur**

**Memo No..... Dated.**

Copy submitted to the District Magistrate & Collector, Subarnapur / Superintendent of Police, Subarnapur for favour of kind information and necessary action.

**S/d- N.R Kanhar**  
**CDO-CUM-EO,ZP, Sonepur**

**Memo No. .... Dated. ....**

Copy forwarded to the Deputy Executive Engineer, Sonepur (R&B) Sub-Division, Sonepur /Assistant Executive Engineer, Birmaharajpur / Binka (R&B) Sub-Division / Assistant Executive Engineer, Sonepur (G.E.) Sub-Division, / Assistant Executive Engineer, Balangir (G.P.H.) Sub-Division, Balangir / Executive Engineer, Sonepur Rural Works Division, / Assistant Executive Engineer, Estimator (R&B) Division, Sonepur / D.A.O. / Cashier / Head Clerk / Divisional Notice Board and Tender call notice file for information and necessary action.

**S/d- N.R Kanhar**  
**CDO-CUM-EO,ZP, Sonepur**

### **CHECKLIST TO BE ENSURED BY THE BIDDER**

Sl. No	Particulars	Whether furnished		Reference to Page no.
		Yes	No	
01.	Cost of tender paper (Bank Draft)			
02.	E.M.D for 1%Bid security declaration			
	E.M.D for1% Bid security declaration deploying machineries outside the State			
03.	<b>Additional Performance Security</b> in case the bid price/rate is less than the estimated cost put to tender {D.T.C.N Clause No.61 (iii)}			
04.	Copy of valid Registration Certificate			
05.	Copy of valid GST clearance certificate and valid EPF and ESI Registration certificate with last month Aug-2022/recent month Sept-2022 challan{D.T.C.N Clause No.24 }			
06.	Copy of PAN Card			
07.	No Relationship Certificate in Schedule – A			

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08.	Works Experience)			
(A)	List of Building works progress as per Schedule-B			
(B)	List of Building works executed as per Schedule D			
09.	Information regarding current litigation, debarring / expelling of the			
(A)	tender or abandonment of the work by the tenderer (Schedule-E)			
(B)	Affidavit (Schedule-F)			
10.	In case of Composite work, additional information on work as per Schedule H (Joint Venture) ( Required).			
11.	Tools & Plants and machineries as per the requirement in annexure-III			
(A)	(Required) (Proof of ownership of Tools & Plants and machineries is to be furnished in shape of copy of invoices / required sale deed incase of 2 <sup>nd</sup> purchase / required lease deed with owner ship documents of the leaser duly attested. In case of centering & shuttering materials certificate of the Executive Engineer of Works Department within 90 days of last date of receipt of tender is allowed.			
12.	DETAIL ADDRESS OF BIDDERS- following data for quick communication to bidders (Mandatory)			
(A)	Postal Address			
(B)	E-Mail Address			
(C)	Mobile Number			

Name of the Bidder-

## DETAILED TENDER CALL NOTICE

**The bidders are requested to go through details of Works Dept. Letter No File No.07556900042013 (Ptl)-7885(W) dt.23.07.2013 Guidelines/Procedure to be followed in introduction of e-Procurement in Government of Orissa (Included in the DTCN). & WORKS DEPARTMENT Memorandum No-12366 Dt.8.11.2013 will be strictly followed.**

1. Sealed percentage rate bids are invited in Single cover system from "C&B" Class contractors registered with the State Government and contractors of equivalent Grade / class registered with Central Government / MES / Railways having registration for execution of works on production of definite proof from the appropriate authority in prescribed form to be eventually drawn in P.W.D. FORM P-1 for the work "Construction of Day Care SC cum HWC Building at Bagdie for 2022-23." At an estimated cost of Rs 37.78 Lakhs.

- (a) This tender is only tenderers with sound financial background capable of investing required amount for advance procurement of all materials required for the work need apply. Department shall not supply any material at all for the work.
- (b) This detailed Tender Call Notice along with the clauses mentioned herein shall form a part of the contract and agreement.

2. The Bid documents are available on official website of Government: <http://www.subarnapur.nic.in> from Dt.26.09.2022 to 5.00 P.M of dt.12.10.2022 The last date and time of submission of Bid is 5.00 P.M of dt.13.10.2022

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3. The Bid documents will be opened by the assigned officer in the office of the CDO-CUM-EO,ZP, Sonepur, Odisha at 12:00 Noon on Dt. 14.10.2022 in the presence of the bidders or their authorized representatives who wish to attend. **The date, time and place for verification of original documents of L1 bidder will be intimated.**
4. The cost of Bid documents in shape of Bank Draft issued from any nationalized/ scheduled bank may be prepared in the name of the **CDO-CUM-EO, Sonepur and payable at Sonepur**
5. The bid is to be submitted in Single covers as follows.
  - (i) Technical bid should contain scanned EMD, Cost and Xerox GST Certificate of bid document, DTCN, Xerox copy of registration certificate, PAN card, valid GST certificate, undertaking/certificates duly filled, affidavit, work experience certificate and documents required as per the relevant clauses of this DTCN. **And**
  - (ii) Financial bid should contain the price bid duly filled in and signed by the bidder.
6. The civil contractor in order to take part in the composite tender should enter into an M.O.U (Memorandum of undertaking duly notarized.) with eligible registered electrical contractor having valid H.T/LT licence , for execution of electrical installation and other electrical works and a copy of such M.O.U should be attached with the tender as per the Performa at Schedule-J which shall form a part of tender . A copy of electrical licence should also be enclosed with the tender papers , the original of which need to be furnished during verification . The above M.O.U is not required in case of the civil contractor having registration in HT/LT electrical licence with the same name & style.
7. (i) The contractor will be drawn in PWD P-1 contract form and will constitute 3 parts as follows.
  - a. Part-1 : For civil items of works
  - b. Part-2 : For electrical items of works
  - c. Part-3 : For PH items of worksThe contract shall be drawn & signed by CDO-CUM-EO,ZP, Sonepur on behalf of the Govt. Of Odisha.
  - (ii) The civil items of works as per part-1 of schedule of quantities ,Electrical items of works(both internal& external) as per part-2 of schedule of quantities and PH items of works (both internal and external ) as per part -3 of the scheduled of quantities of the agreement shall be supervised measured and check measured by the superintending Engineer(R&B) Division,Sonepur , GED (R&B) Division .no-iii ,Sambalpur and Superintending Engineer GPH Division no-II Sambalpur respectively.

In the interest of expeditious execution of work, payment of interim bills (Running account bills) shall be made by the Executive Engineer GED Division no-iii ,Sambalpur and GPH (R&B) Division no-II Sambalpur in respect of electrical and PH works respectively and nill final bill shall be send to the concerned Superintending Engineer (R&B) Division,Sonepur for final adjustment and compilation of accounts. The General Electrical Divisionno-III Sambalpur and GPH Division no-II Sambalpur concerned shall be responsible for proper and timely execution of the their respective items of works and implementation of the terms and condition of the contract .The contractor shall be bound to receive and act as well according to the direction of the Engineer in Charge for General Electrical /General Public Health Authority concerned
8. The intending bidders are required to produce documents viz original Registration, valid GST Certificate, Valid VAT Clearance, PAN card after opening of Technical Bid for verification purpose in the latter stage along with the original documents relating to ownership and hiring of plants and machineries mentioned at **Annexure-III**, preferably within three working days from the date of opening of the tender. Furnishing scanned copy of such documents along with the Bid is mandatory otherwise his/ her bid shall be declared as non responsive and thus liable for rejection.
9. (i) The Contractors are required to furnish Xerox copy of evidence of ownership of principal machineries/equipments as per **Annexure-III failing which the tender shall be liable for rejection.**
  - (II) In case the contractor proposes to engage machineries and equipments as asked for in the tender document, owned or hired but deployed outside the State, he/she is required to furnish additional 1% EMD /Bid Security. The entire bid security including the additional bid security shall stand forfeited in case the contractor fails to mobilize the machineries within a period as to be able to execute an item of work as per original programme which will be part of the agreement.

- (III) The contractor intending to hire/lease equipments/machineries are required to furnish proof of ownership from the company/person providing equipments/machineries on hire/lease along with contracts/ agreements/lease deed and duration of such contract. The contracts/agreements/lease deed should be on long term basis for a minimum period of 6(six) months as mentioned in contract data from the last date of receipt of Bid documents.
10. The companies or individuals registered with State Government and contractors of equivalent Grade / class registered with Central Government / MES / Railways having registration for Civil works having both legal competency and expertise in Civil Engineering works need put tenders for this work and the documentary evidence under appropriate Act in support of their legal competency and expertise to execute Civil work invariably should accompany their tender papers. The Contractor in order to take part in the tender papers shall bear signature of authorised person of the tenderer, the letter of authorization should accompany tender papers. The authorisation should clearly indicate the name of legal person to sign and enter in to agreement and receiving payment and will be responsible for execution of work to the Engineer-in- Charge.
  11. DELETED
  12. DELETED
  13. If the application is made by proprietary firm, it shall be signed (with DSC) by the proprietor & furnish full type written name and the full name of his firm with its current address in a forwarding letter.
  14. If the application is made by a firm in partnership, it shall be signed (with DSC) by a partner holding power of attorney for the firm in which case a certified copy of the power of attorney shall accompany the application. A certified copy of the partnership deed and current address of all partners of the firm shall also accompany the application.
  15. If the application is made by a limited company or a corporation, it shall be signed (with DSC) by a duly authorized person holding power of attorney for signing the application in which case a certified copy of the power of attorney shall accompany the application. Such limited company or corporation will be required to furnish satisfactory evidence of its existence along with the bid.
  16. No tenderers will be permitted to furnish their tender in their own manuscript papers. No letter should accompany the tender.
  17. The tender should be strictly in accordance with the provisions as mentioned in the tender schedule. Any change in the wordings will not be accepted.
  18. The work is to be completed in all respects within 6 (six)calendar months from the date of issue of work order. Tenderer whose tender is accepted must submit a programme of work immediately after issue of work order for approval of Engineer-in-Charge.
  19. All tenders received will remain valid for a period of **one year** from the last date prescribed for receipt of tenders and validity of tenders can also be extended if agreed by the tenderers and the Department.
  20. The tender shall carefully study the tentative drawings and specifications applicable to the contract and all the documents, which will form a part of the agreement to be entered in to, by the accepted tenderer and detailed specifications for Orissa, and other relevant specifications and drawings, which are available. Complaint at a future date that the tenderers have not seen plans and specifications cannot be entertained.
  21. The drawings furnished with the tender are tentative and subject to revision or modification as tendered during the execution as per actual necessity and detail test conducted. But the tendered rates quoted by the tenderer will hold good in case of such modification of drawings during the time of execution and shall in no way invalidate the contract and no extra monetary compensation will be entertained. The work shall however be executed as per final approved drawing to be issued by the Engineer-in-Charge as and when required.
  22. By admission of a tender for the work, a tenderer will be deemed to have satisfied himself by actual inspection of the site and locality of the work, about the quality and availability of the required quantity of material including the wheat/ rice referred to above, medical aid, labour and food stuff etc., and that rates quoted by him in the tender will be adequate to complete the work according to the specifications attached there to and that he had taken in to account all conditions and difficulties that may be encountered during its progress and to have quoted rates including labour and materials with taxes, octroi, other duties, lead,

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- lifts, loading and unloading, freight for all materials and all other charges necessary for the completion of the work, to the entire satisfaction of the Engineer-in Charge of the work and his authorised subordinates. After acceptance of the contract rate Government will not pay any extra charges for any reason in case the contractor claims later on to have misjudged as regard availability of materials, labour and other factors.
23. The bid must be accompanied by security of the amount @ 1% (One percent) as Bid security declaration of the estimated cost put to tender along with tender in the form of Deposit receipt of **Schedule Bank / Kissan Vikash Patra / Post Office Savings Bank Account / National Savings Certificate / Postal Office Time Deposit Account** duly pledged in favour of the **Superintending Engineer, Sonapur (R&B) Division, Sonapur**, and payable at **Sonapur** as per the terms and conditions laid down in OGFR and in no other form. Bidder's desirous to higher machineries or equipments from outside the state or owned but deployed outside the state are required to furnish additional one (1) percent EMD / Bid Security. Tenders not accompanied with E.M.D. as specified above will not be considered. No adjustment of E.M.D. from one work to another will be entertained. **(N.B.: -Bank Draft/Pay orders or Bankers cheque from any Nationalised Banks in favour of CDO-CUM-EO,ZP, Sonapur shall not be considered as E.M.D)**
24. The tender should be accompanied with the photocopy of the valid GST registration, EPF registration and EPF challan which are mandatory, otherwise his/her bid shall be declared as non-responsive and thus liable for rejection.
25. The tender containing extraneous conditions not covered by the tender notice are liable for rejection and quotations should be strictly in accordance with the items mentioned in the Tender Call Notices. Any change in the wording will not be accepted.
26. The department reserves the right of authority to reject any or all tenders received without assigning any reason whatsoever.
26. The earnest money will be retained in the case of successful tenderers and will be dealt with as per terms and condition of O.P.W.D. Code. The earnest money will be refunded to the unsuccessful tenderers on application after intimation is sent to rejection of their tenders. The retention of E.M.D. with the Department will carry no interest.
27. The Engineer-in-charge will notify the bidder / tenderer whose bid has been accepted of the award prior to expiration of the validity period by cable, telex or facsimile confirmed by registered letter. This letter (hereinafter and in the conditions of Contract called the "Letter of Acceptance") will state the sum that the Engineer-in-charge will pay the contractor in consideration of the execution, completion and maintenance of the Works by the contractor as prescribed by the contract (Hereinafter and in the contract called the "Contract Price").
- The Notification of award will constitute the formation of the contract, subject only to the furnishing of a performance security (Initial Security Deposit) in form of Deposit receipt of Schedule Bank / Kissan Vikash Patra / Post Office Savings Bank Account/National Savings Certificate / Post Office Time Deposit Account duly pledged in favour of the **CDO-CUM-EO,ZP, Sonapur** and in no other form, which including the amount already deposited as bid security (earnest money) shall be 2% of the value of the tendered amount (excluding 1% deposited towards hiring of equipments / machineries from outside the state if any) and sign the agreement in the P.W.D. form No. P-1 (Schedule XLV No. 61) for the fulfilment of the contract in the office of the **CDO-CUM-EO,ZP, Sonapur**, and payable at **Sonapur** or as directed. The security deposit together with the earnest money and the amount withheld according to the provision of P-1 agreement shall be retained as security for the due fulfillment of this contract and additional performance security in accordance with the provisions of the agreement.
- The agreement will incorporate all agreements between the officer inviting the bid/Engineer-in Charge and the successful bidder within 15 days following the notification of award along with the Letter of Acceptance. The successful bidder will sign the agreement and deliver it to the Engineer-in Charge. Following documents shall form part of the agreement.
- a) The notice-inviting bid, all the documents including additional conditions, specifications and drawings, if any, forming the bid as issued at the time of invitation of bid and acceptance thereof together with any correspondence leading thereto & required amount of performance security including additional performance security.

- b) Standard P.W.D. Form P-1 with latest amendments. Failure to enter in to the required agreement and to make the security deposit as above shall entail forfeiture of the Bid Security (earnest money). No contract (tender) shall be finally accepted until the required amount of initial security money is deposited. The security will be refunded after 12 (Twelve) months of completion of the work and payment of the final bill and will not carry any interest. As concurred by Law Department & Finance Department In their U.O.R. No 848, dtd.21.05.97 J.O.R.No.202 W.F.D. dtd.06.03.98 respectively the E.M.D. will be forfeited in case, where tenderers back out from the offer before acceptance of tender by the competent authority.
28. The contractor should be liable to fully indemnify the Department for payment of compensation under workmen compensation act. VIII of 1923 on account of the workmen employed by the contractor and full amount of compensation paid will be recovered from the contractor.
29. Tenderers are required to be liable by fair wages clause as introduced by Govt. of Orissa, Works Department letter No.VII (R&B) 5225, dt.26-2-55 and No.II, M-56/61-28842 (5), dt.27-9-61.
30. The contractor shall bear cost of various incidentals, sundries and contingencies necessitated by work in full within the following or similar category.
- a) Rent royalties, cess and other charges of materials, Octroi and all other taxes including prevailing sale tax / GST Certificate, Valid VAT Clearance from time to time. Ferry tolls, conveyance charges and other cost on account of land buildings including temporary building required by the tenderer for collection of materials, storage, housing of staff or other purpose of the work are to be borne by the contractor at his own cost. No rent will be payable to Govt. for temporary occupation of land owned by gov. at the site of the work for bonafide use of the land for work and all such construction of temporary nature by the contractor shall be done after obtaining written permission from the Engineer-in-Charge of Civil portion of the work and all such construction shall have to be demolished and debris removed and ground made good and cleared after completion of the work at no extra cost.
- b) Royalty will be recovered from each bill as notified by Govt. from time to time unless K Forms are enclosed. Refund of royalty at later date after passing of the bills cannot be entertained as the recovery of royalty is being credited to revenue.
- c) Labour camps or huts necessary to a suitable scale including conservancy and sanitary arrangements therein to the satisfaction of the local labour laws and health authorities shall have to be provided by the Contractor.
- d) Arrangement of suitable water supply including pipe water supply where available for the staff and labour as well as for the execution of the work is sole responsibility of the Contractor and no extra cost for carriage of water will be entertained. e) All fees and dues levied by Municipal, Canal or Water Supply Authorities are to be borne by the Contractor.
- f) Suitable safety equipments and dresses, gloves, life belts etc. for the labour engaged in risky operations are to be supplied by the contractor at his own cost.
- g) Suitable fencing barriers, signals including paraffin and electric signals where necessary at work and approaches in order in project the public and employees from accident has to be provided by the Contractor at his own cost.
- h) Compensation including cost of any legal suit for injury to persons or property arising out of execution of the work and also any sum, which may become payable due to operation of the workmen compensation act, shall have to be borne by the contractor.
- i) The contractor has to arrange adequate lighting arrangements for the work wherever necessary at his own cost.
31. No payment will be made for layout, benchmark, level pillars, profiles and benching and leveling the ground required, which has to be carried out by the contractor at his own cost. The rates to be quoted should be for finished items of work inclusive of carriage of all materials and all incidental items of work.

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32. After the work is finished all surplus materials should be removed from the site of work, preliminary work such as vats, mixing platforms, etc. should be dismantled and all materials removed from the site and premises left neat and his should be inclusive in the rates. No extra payment will be made to the Contractor in this account.
33. It should be understood clearly that no claim what-so-ever will be entertained to extra items of works quantity of any item besides estimate amount unless written order is obtained from the competent authority and rate settled before the extra items of work or extra quantity of any items of work is taken up.
34. The tenderers shall have to abide by the C.P.W.D. safety code rules introduced by the Govt. of India, Ministry of Works and Housing & Supply in their standing order no.44150, dtd.25-11-57. 38. No part of the contract shall be sublet without written permission to the concerned Executive Engineer or transfer be made by the power of attorney authorising others to receive payment on contractors behalf.
35. Bid documents consisting of plans, specifications, the schedule of quantities and the set of terms and conditions of contract and other necessary documents can be seen in all the offices issuing the documents and office of the under signed during office hours every day except on Sundays and Public Holidays till last date of sale and receipt of tender papers. Interested bidders may obtain further information at the same address. But it must be clearly understood that tenders must be received in order and according to instructions in complete shape. Incomplete tender is liable for rejection.
36. **No Relation certificate.**  
The contractor shall furnish a certificate along with the tender to the effect that he is not related to any officer in the rank of an Assistant Engineer & above in the state P.W.D. or Assistant/Under Secretary & above in the Works Department. If the fact subsequently proved to be false, the contract is liable to be rescinded. The earnest money & the total security will be forfeited & he shall be liable of make good to damages the loss or damages resulting for such cancellations. The Performa for no relationship certificate is contained in a separate sheet vide Schedule-A.

#### ANNEXURE – A

#### PROPOSAL FOR PRICE VARIATION DUE TO INCREASE OR DECREASE IN RATE OF MINIMUM WAGES, PRINCIPAL MATERIALS, POL & OTHER MATERIALS TO BE INCORPORATED IN CONDITION OF CONTRACT

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(As per Work's department, Odisha Letter no-12606 Dt. 24.12.12)

Contract price shall be adjusted for increase or decrease in rates and price of Labour, Cement, Steel, Bitumen, Pipes, POL & other materials component in accordance with the following principles and procedures as per formula given below :-

36(a)(i) : REIMBURSEMENT/RECOVERY DUE TO VARIATION IN PRICES OF MATERIALS OTHER THAN (STEEL, CEMENT, BITUMEN, PIPES & P.O.L).

If during the progress of the work the price of any materials (Excluding the cost of steel, cement, bitumen & P.O.L) incorporated in the work (not being materials supplied from the Engineer-in-charge's store) in accordance with clause there of increased or increases as a result of increase or decrease in the Average whole sale price Index (all commodities), and the contractor there upon necessarily and properly pay in respect of that materials incorporated in the work such increased or decreased price, then he shall be entitled to reimbursement or liable to returned quarterly as the case may be, such an amount, as shall be equivalent to the plus or minus difference of 85% in between the Average Wholesale price Index (all commodities) which is operating for the quarter under consideration and that operated for the quarter in which the bid was received (last date of receipt) as per the formula indicated below provided that the work has been carried out within the stipulated time or extension thereof as are not attributable to him. If penalty is levied for delay completion of the work, the contractor shall not be eligible to get price escalation on the above materials on the value of works executed during the extended period.

This clause will be applied to the contracts where original stipulated period of completion is more than 18 months.

In the situation where the period of completion is initially stipulated in the agreement as less than 18 (eighteen) months but subsequently the completion period has been validly extended on the ground that the delay in completion is not attributable to the contractor and in the result the total period including the extended period stands more than 18 (eighteen) months or more, price escalation for other materials is admissible only for the remaining period excluding 18 (eighteen) months there from.

Formula to calculate the increase or decrease in the price of materials :

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

$$V_m = 0.85 \times P_m / 100 \times R_x \text{ (Mi-Mo) / Mo}$$

$V_m$  = Increase or decrease in the cost of work during the quarter under consideration due to changes in rates of materials other than cement, steel, bitumen, pipes and POL.

CONTRACTOR

CDO-CUM-EO, ZP, Subarnapur

**BOQ FOR CONSTRUCTION DAY CARE SC CUM HWC BUILDING AT BAGDIA HWC,SONEPUR,ODISHA.**

Sl.no.	Description of Items	UNIT	QNTY	RATE	AMOUNT Rs.
	<b>Civil estimate for Day care sc cum HWC building (G+1)</b>				
1	Earthwork in excavation in hard soil for site leveling, foundation, pits, trenches and other civil works upto and including 1.5metre lift and stacking the soil upto a lead of 100 metre and including dewatering, removing slush, shoring and strutting (as required), complete as per specification and as directed by the Engineer-In-Charge.				
a.	Hard soils.	Cum	123.13	195.40	24058.82
2	Filling in foundation trenches and plinth, with excavated earth including laying the earth in layers not exceeding 23.5 cm thick ramming & watering with all leads & lifts including cost of all labour, T&P completed as directed by the Engineer-in-charge.	Cum	82.49	108.50	8950.17
3	Supplying and filling sand in foundation and over areas including watering, ramming, consolidating and dressing, labours, tools, taxes etc. all complete as per the specification and direction of Engineer-In-Charge.	Cum	36.34	375.30	13639.90
4	Diluting and injecting chemical emulsion (to be supplied free of cost at site of work) for PRE CONSTRUCTIONAL Anti-termite treatment and creating a continuous chemical barrier under and all round the column pits, wall trenches, basement excavation, top perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surroundings of pipes and conduits etc. complete as per specifications (plinth area of the building at ground floor only shall be measured for payment).	Sqm	103.84	138.00	14329.92
5	Providing and laying plain cement concrete 1:3:6 (1 cement : 3 sand : 6 stone aggregate 40mm nominal size) as levelling course in floor and plinth including tempering, curing, shuttering etc. complete all depth and height.	Cum	8.16	4513.70	36831.79
6	Providing and laying plain cement concrete 1:2:4 (1 cement: 2 sand: 4 stone aggregate 12mm nominal size) as levelling course in foundation and plinth etc. including tempering, curing, shuttering etc. complete all depth and height.	Cum	9.79	5942.60	58178.05
7	First class Fly ash <b>Brick masonry</b> using bricks of size 25 cm. x 12 cm. x 8 cm. having crushing strength not less than 75 kg. Per. Sqr. Cm. in cement mortar of mix( 1:6) with ordinary Portland slag cement(PSC) and screened & washed sand for mortar after immersing the bricks for 6 (Six) hours in water before use in <b>Foundation &amp; Plinth</b> including splays cutting, circular moulding, corbelling, chamfering and similar such type of works, watering and curing etc. including cost, conveyance, loading, unloading, royalties and taxes of all materials, cost of all labour, scaffolding, sundries, T&P required for the works etc. complete in all respect as directed by the Engineer-in-Charge.	Cum	10.25	4033.00	41348.33
8	Fly Ash. brick masonry of size 25 cm. x 12 cm. x 8 cm. having crushing strength not less than 75 kg. Per Sqr. Cm. in cement mortar of mix (1:6) with approved grade cement and screened & washed sand for mortar after immersing the bricks for 6 (Six) hours in water before use in <b>Superstructure</b> including splays cutting, circular moulding, corbelling, chamfering and similar such type of works, watering and curing etc. including cost, conveyance, loading, unloading, royalties and taxes of all materials, cost of all labour, scaffolding, sundries, T&P required for the works etc. complete in all respect as directed by the Engineer-in-charge				
	Ground floor	Cum	34.03	4071.30	138546.34
	First floor	Cum	24.06	4344.60	104531.08
	Terrace floor	Cum	11.01	4658.80	51293.39

*M/Will*

9	Half brick work with Fly Ash brick masonry in cement mortar (1:4) in super structure having a crushing strength of not less than 75 kg./sqcm with dimensional tolerance $\pm 2\%$ including splays cutting circular moulding chamfering and corbelling and similar such type of works with all necessary projections watering and curing after immersing the bricks in water at least for six hours before use including cost, conveyance, royalties and taxes of all materials with all labour,labour cess and T & P required for the work complete in all respect as per direction of Engineer-in-Charge.				
	Ground floor	Cum	5.14	4294.90	22075.79
	First floor	Cum	7.19	4568.20	32845.36
10	Providing, lifting, hoisting and laying Reinforced cement concrete of M-20 grade as per approved designs and drawings having a minimum compressive strength (in work test) 200 Kg. / Square cm. in 15 cm. cubes at 28 days after mixing and test conducted in accordance with I.S. 516 using 12 mm. to 20 mm. size black hard crushed broken granite stone chips and screened and washed sharp sand for mortar of approved quality from approved quarry, washed and cleaned ( 20mm. size chips not to exceeds 25 % ) to be mixed in concrete mixture with Portland slag cement (PSC) including hoisting, lowering, laying and compaction concrete by using vibrators, watering and curing for 28 days, centering and shuttering then after dismantling and removing debris from the work site and finishing the exposed surface smooth providing grooves or beads wherever necessary including cost, conveyance, loading, unloading, royalties and taxes of all materials and cost of all labours, sundries, T & P required of the work etc. complete in all respect as directed by the Engineer-in-Charge. But excluding cost and conveyance of M.S. rods or Tor steel and binding wires and labour charges for straightening, cutting, bending etc. of M.S. rods or tor steel tying the grills and placing in proper position.				
	<b>Ground floor</b>				
	a) Footing	Cum	8.23	4925.90	40519.84
	b) Column up to plinth	Cum	1.62	10772.60	17451.61
	e) Plinth Beam	Cum	5.47	5284.40	28911.61
	f) Column above plinth	Cum	3.88	10772.60	41811.15
	g) Lintel	Cum	2.62	8505.20	22308.29
	i) Roof Beam	Cum	4.12	10772.60	44329.92
	j) Slab	Cum	11.15	9141.70	101917.84
	k) Stair case	Cum	1.71	10272.60	17600.82
	<b>First floor</b>				
	f)Column	Cum	3.44	12059.30	41446.31
	g) Lintel	Cum	2.16	9338.50	20210.56
	h) Chajja	Sqm	5.00	892.60	4458.54
	i) Roof Beam	Cum	3.11	12059.30	37552.28
	j) Slab	Cum	9.13	10102.20	92214.14
	k) Stair case	Cum	1.71	11459.30	19634.08
	<b>Terrace floor</b>				
	f)Column	Cum	1.61	13599.00	21826.40
	h) Chajja	Sqm	0.34	1014.40	342.36
	i) Roof Beam	Cum	0.86	13599.00	11665.39
	j) Slab	Cum	1.53	11250.50	17256.16
11	Cutting, straightening coiled or bent up M.S. Rod or tor steel of SAIL/ TATA / RINL (VIZAG) make including bending, binding, welding and joining if necessary and tying the grills and placing in position as required for R.C.C. Work and for providing fan hooks as required, hoisting, lowering, laying including cost, conveyances, taxes of M.S. Rod or tor steel and binding wires of 18 to 20 gauge and labour required for the work for bending, binding and tying the grills in all floors (Linear measurement will be taken and quantity will be calculated basing on the standard weight of B.I.S. for M.S. Rods or tor steel only. Wastage if any, including weight of binding wire will not be considered for measurement) etc. complete as per specification & direction of Engineer-in-charge.				
	Ground floor	Qntl	49.12	8615.30	423183.54
	First floor	Qntl	24.91	8639.70	215214.93

	Terrace floor	Qntl	5.60	8665.30	48534.02
12	12mm cement plaster to out side of brick surfaces with cement mortar of mix 1:6 (1 cement : 6 fine sand) including necessary scaffolding, curing etc. all complete at all floors and all heights.				
	Ground floor	Sqm	152.55	142.50	21738.38
	First floor	Sqm	116.40	148.20	17250.48
	Terrace floor	Sqm	28.21	154.10	4346.78
13	16mm cement plaster to inside of brick surfaces with cement mortar of mix 1:6 (1 cement : 6 fine sand) including necessary scaffolding, curing etc. all complete at all floors and all heights.				
	Ground floor	Sqm	320.67	203.60	65288.41
	First floor	Sqm	271.85	208.60	56707.91
	Terrace floor	Sqm	26.21	213.80	6030.76
14	6 mm cement plaster on RCC surfaces at ceiling/slab soffit and other locations with cement mortar of mix 1:4 (1 cement : 4 coarse sand) including necessary scaffolding, curing etc. all complete at all floors and all heights.				
	Ground floor	Sqm	18.24	159.90	2916.58
	First floor	Sqm	28.13	163.90	4610.51
	Terrace floor	Sqm	13.34	167.90	2239.37
15	Supplying, fitting & fixing of Granite Tiles of minimum Above 0.40 sqm. (20mm thick) of approved make in floors laid on 20 mm thick cement mortar (1:4) (1 cement : 4 course sand) and filling joints with slurry including cost of all materials, labour T&P etc. required for the work all complete incl. rubbing as per direction of the Engineer-in-charge.				
	Ground floor	Sqm	15.92	2203.50	35079.72
	First floor	Sqm	9.83	2213.60	21759.69
16	Supplying, fitting & fixing of Granite Tiles of minimum Above 0.10 Sqm & up to 0.4 sqm (10mm. thick) of approved make in dadoes laid on 12 mm thick cement mortar (1:3) (1 cement : 3 course sand) and filling joints with slurry including cost of all materials, labour T&P etc. required for the work all complete incl. rubbing as per direction of the Engineer-in-charge.				
	Ground floor	Sqm	5.87	1624.20	9534.05
	First floor	Sqm	4.55	1639.40	7459.27
17	Supplying, fitting & fixing of 8-10 mm thick & size of 600x600 mm <b>verified floor tile</b> of matt finish with veilcraft (VC/FT) shield( Scratch free/stain free) with water absorption limit between 0.08% to 3% and conforming to IS : 15622:2006 (Group B lb). laid on 20 mm thick cement mortar (1:4) (1 cement : 4 course sand) and filling joints with white cement of approved quality including cost of all materials, labour T&P etc. required for the work all complete as per direction of the Engineer-in-charge (for New Work only)				
	Ground floor	Sqm	77.97	963.30	75108.50
	First floor	Sqm	64.56	973.40	62842.70
18	Supplying, fitting & fixing of 8-10 mm thick and size of 600x600 mm <b>verified wall tile</b> of in dadoes, skirting and risers of steps of laid on 12 mm thick cement mortar (1:3) (1 cement : 3 course sand) jointed with slurry mixed with pigment to match the shades of the tiles etc. complete including cost of all materials, labour T&P etc. required for the work all complete as per direction of the Engineer-in-charge.				
	Ground floor	Sqm	15.04	1070.90	16106.87
	First floor	Sqm	12.39	1086.10	13461.67

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19	Supplying, fitting and fixing of Antiskid Ceramic Floor Tiles in flooring using special plain / printed series Ceramic Floor Tile of premium grade ( having minimum thickness 7 mm to 8 mm & size 300 mm x300 mm, confirming to I.S 13755 of approved quality and shade in floors, treads on steps and landings on 20 m.m thick bed of cement mortar of mix (1:4) laid in proper slope and gradient with screened & washed sharp river sand for mortar and fixing with neat white cement slurry, grouting the joints with neat white cement slurry mixed with required quantities of pigments (Tiles are to be immersed in the water for required time before use) of approved make to match the shades of the Ceramic Floor Tiles if required including cost, conveyance, loading, unloading, stacking, royalties , all taxes, cost of all Labour, Labour cess , Sundries, T&P required for the work , Watering , Curing for required days , cleaning the flooring space manually etc. complete in all respect as directed by the Engineer-in-charge.				
	Ground floor	Sqm	7.38	691.70	5104.75
	First floor	Sqm	7.41	701.70	5199.60
20	Supplying, fitting & fixing of <b>Ceramic wall tiles of premium grade of size(200x300 mm/200x200 mm) having thickness 6.5mm to 6.7mm confirming to IS 13753</b> in dadoes, skirting and risers of steps laid on 12 mm thick cement mortar (1:3) (1 cement : 3 course sand) jointed with slurry mixed with pigment to match the shades of the tiles etc. complete including cost of all materials, labour T&P etc. required for the work all complete as per direction of the Engineer-in-charge				
	Ground floor	Sqm	41.46	760.90	31546.91
	First floor	Sqm	41.04	776.00	31847.04
21	Providing and fixing seasoned sal wood work in frames at any locations including doors, windows, cupboard, clerestory and other frames fixing in position including cost of hinges, M.S. flat (30mm x 6mm) hold fasts lugs or dash fasteners of required dia and length as per drawing / specification, at all floors and all heights.				
	Ground floor	Cum	0.25	53131.10	13179.83
	First floor	Cum	0.24	53131.10	12928.79
22	Factory made 30mm/32mm flush door shutter (Laminates both side of frame) with all labour, iron fittings, and wooden hinged cleats etc fitted and fixed complete in all respect.				
	Ground floor	Sqm	13.23	3605.30	47698.12
	First floor	Sqm	11.97	3605.30	43155.44
23	Providing & fixing of <b>side hung door</b> of approved make to be fabricated from <b>roll formed sections</b> made of pre-painted steel (base steel as per IS-513 of 0.60 mm thick "D" quality, galvanised as per IS-277 with zinc of 120 gm/sqm) with total coated thickness of 0.55 mm slide guide section should be made of 0.5 mm stainless steel of 430 grade with paint specification being with primer of 5-7 microns thick & finished paint with polyester paint(Black/Pearlwhite/Chocolate brown) of 12-16 microns along with the alkyd backer at the back of 5-7 microns & sections for external frame bottom & top should be of 79x45 mm external frame sides should be of 69x24 mm, guide for top & bottom should be of 69x26 mm ( stainless steel). section for shutter should be of 26x30 mm, sash bar should be of 23x57 mm .Accessories/gaskets are to be used as per the manufacturer's supply & specification like gasket will be made of EPDM . All corner brackets for internal & external are to be made of glass filled nylon. The sections are to be cut to length, joined & assembled by means of corner bracket & frames are fixed to the concrete/ masonry walls by means of self expanding screws & board to be of 50% <b>9mm pre-laminated board and 50% 9mm glass</b> with all taxes complete.				

	Ground floor	Sqm	3.78	4829.10	18254.00
24	Factory made FRP( Alternately called GRP) door frame of size 75mm x 100mm fabricated using E - glass chopped strand mat (CSM) U.V stabilised inopathalic Gel coat and impregnated with inopathalic resin The thickness of the GRP skins shall not be less than 2.0 mm . The door frame consists of four segments which are provided with plug in socket arrangement in-situ-in mould. The segments are plugged in and are joined together by means of srew. The GRP frame shall be provided with wooden reinforcement on six locations for high srew holding capacity for fixing metallic hold fast and shall be consolidated by filling with medium density foam / plaster of paris with fibre reinforcement , six number 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 finish of door frame 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 pigment complete in all respect as per specification and direction of the Engineer in Charge. etc. complete				
	Gr. Floor	Rmt	9.90	550.30	5447.97
	First Floor	Rmt	14.85	550.30	8171.96
25	Factory made GIRID FRP or called GRP sandwich composite door shutter of 32mm thick laminated with two GRP skin with good grain finish fabricated using UV stabilised isopthalic gel coat and one layer of 450 gsm E-glass chopped strand mat (CSM) impregnated with ortopathilic resin The thickness of the skins shall not be less than 1.50mm . Expanded polysryne ( EPS) structural foam panel of 29 mm tickness and a density of 20kg/cu.mts shall be used as core material wooden reinforcements made of sesasoned sal wood block of cross section not less than 28mm x 32mm and also necessary sal wood reinforcements for fitting the metal fittings such as lower bolts ,aldrops, handles etc. shall be provided . A s'tructural adhesive compatible with (EPS)foam shall be used for bending the core material. the sal wood reinforcements and the skin The material and process for manufacturing te door shutter shall conform to RV -TIFAC components design centre's standards and specification and the door shutters tested in conformation to IS 4020-1998. The Finish of door shutter will be plain colour as per specification and direction of the Engineer in Charge. etc. complete				
	Gr. Floor	Sqm	3.15	3206.50	10100.48
	First Floor	Sqm	4.73	3206.50	15166.75
26	Providing and fixing factory made 2 track 2 panel KOMMERLING uPVC white colour sliding window comprising of uPVC multi-chambered frame having section Frame 58mm x 49mm, Window sash: 37mm x 61mm, made out of lead free green profiles with corners fusion welded, fully reinforced with Galvanized steel 1.5/2.0 mm. The windows profile should fulfill the requirements of Viny 2010. The physical properties of the profiles like Vicat softening temperature, density, tensile strength, hardness, weatherability, impact strength and Modulus of Elasticity should be tested in accordance with ASTM/DIN-ISO standards and the thermal conductivity as per IS standards. The window comprising of uPVC extruded glazing beads of appropriate dimension, EPDM gasket, G.I fasteners 100 x 8 mm size for fixing frame to finished wall, plastic packers, plastic caps and necessary stainless steel screws etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of required size. The sash will be fitted with 5mm clear glass ( float ).complete in all respect as per specification and direction of the Engineer in Charge. etc. complete				

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	Ground floor	Sqm	10.80	7500.00	81000.00
	First floor	Sqm	9.00	7500.00	67500.00
	<b>Terrace floor</b>	Sqm	1.44	7500.00	10800.00
27	Supplying and Fixing of <b>M.S. Grills, M.S. Doors, M.S. Gate</b> etc including cost, conveyance of all materials, priming, and labour for fitting fixing etc. complete as per the instruction of Engineer-in-Charge				
	Ground floor	Kg	321.30	78.00	25061.40
	First floor	Kg	189.00	78.00	14742.00
	<b>Terrace floor</b>	Kg	89.78	78.00	7002.84
28	Priming one coat with wall cement primer (water bound) to make an even finished surface in all floors and heights to wall surface of approved make and shade including sand papering, applying putty wherever necessary & cost of scaffolding, staging charges with cost, conveyance, taxes of all materials, cost of all labour, labour cess T&P etc. complete as per the direction of the Engineer-in-charge.				
	Ground floor	Sqm	491.46	61.90	30421.37
	First floor	Sqm	416.38	63.40	26398.49
	<b>Terrace floor</b>	Sqm	174.03	64.90	11294.55
29	Painting two coats with approved anti-fungal weather seal paints (ISI) of approved colour, shade on wall surface over a coat of wall primer (ISI) water bound including sand papering, polishing the surface, cost, conveyances of all materials and cost of all labour, labour cess with T&P etc. complete as per specification & direction of Engineer-in-charge.				
	Ground floor	Sqm	152.55	76.00	11593.80
	First floor	Sqm	116.40	78.70	9160.68
	<b>Terrace floor</b>	Sqm	132.48	81.60	10810.37
30	Finishing plastered surfaces of walls with cement based wall putty (Water based) of approved make and finishing the surface smooth and even by sand papering to receive painting in walls, at all heights with staging wherever necessary with cost, conveyance, taxes of all materials, cost of all labour, labour cess, all T&P etc. required for the work complete in all respect as per the direction of the Engineer-in-charge.				
	Ground floor	Sqm	491.46	67.70	33271.84
	First floor	Sqm	416.38	67.70	28188.93
	<b>Terrace floor</b>	Sqm	174.03	67.70	11781.83
31	Painting two coats with approved plastic emulsion paint over a coat of wall primer of make Dulux / Berger / Asian to inside surface of walls finished with Acrylic Wall putty (water based) of make (Birla / JK) and finished smooth & even surface to receive painting using roller to the final coat including cost of scaffolding staging charges with cost, conveyances, taxes of all materials, cost of labour, T&P required for the work etc. complete for all floors as per specification & direction of the Engineer-in-charge. Note :- Sample of Paint & Primer shall be approved before procurement and use.				
	Ground floor	Sqm	338.91	82.60	27993.97
	First floor	Sqm	299.98	84.20	25258.32
	<b>Terrace floor</b>	Sqm	41.55	85.90	3569.15
32	Painting <b>two coats</b> with approved <b>Enamel Paint on wood work over a coat of Wood Primer in Ground Floor</b>				
	Ground floor	Sqm	7.88	201.30	1586.24
	First floor	Sqm	7.73	206.30	1594.70
33	Painting <b>two coats</b> with approved <b>Enamel Paint on Steel work in Ground Floor</b>				
	Ground floor	Sqm	11.88	141.10	1676.27
	First floor	Sqm	9.90	144.70	1432.53
	<b>Terrace floor</b>	Sqm	4.01	148.40	595.08
	<b>PH WORK</b>				
	50USER SEPTIC TANK				

34	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.				
	A) Upto 1.5 M Depth	CUM	21.62	195.40	4224.16
	B) From 1.5M to 3.0M Depth	CUM	6.18	285.56	1765.83
35	Filling at all depth with available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 15cm in depth: consolidating each deposited layer by ramming and watering complete (lead upto 100m) as directed by the Engineer-In-charge.	CUM	10.25	108.50	1111.66
36	Supplying and filling sand in foundation and over areas including watering, ramming, consolidating and dressing, labours, tools, taxes etc. all complete as per the specification and direction of Engineer-In-Charge.	CUM	1.29	375.30	484.23
37	Providing and laying plain cement concrete 1:4:8 (1 cement : 4 sand : 8 stone aggregate 40mm nominal size) as levelling course in floor and plinth including tempering, curring, shuttering etc. complete all depth and height.	CUM	1.29	4125.10	5322.41
38	Providing and laying in position ready mixed M-20 grade concrete for reinforced cement concrete work, using cement content as per approved design mix, manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work, including pumping of R.M.C. from transit mixer to site of laying , excluding the cost of centering, shuttering finishing and reinforcement, including cost of admixtures in recommended proportions as per IS : 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge. (Note :- Cement content considered in this item is @ 330 kg/cum. All works upto plinth level				
	a) Footings :-	CUM	2.80	4925.90	13812.22
	b) WALL :-	CUM	3.61	10772.60	38910.63
	c) Slab:-	CUM	0.80	7393.90	5878.15
39	Cutting, straightening coiled or bent up M.S. Rod or tor steel of SAIL/ TATA / RINL (VIZAG) make including bending, binding, welding and joining if necessary and tying the grills and placing in position as required for R.C.C. Work and for providing fan hooks as required, hoisting, lowering, laying including cost, conveyances, taxes of M.S. Rod or tor steel and binding wires of 18 to 20 gauge and labour required for the work for bending, binding and tying the grills in all floors (Linear measurement will be taken and quantity will be calculated basing on the standard weight of B.I.S. for M.S. Rods or tor steel only. Wastage if any, including weight of binding wire will not be considered for measurement) etc. complete as per specification & direction of Engineer-in-charge.	QTL	6.05	8615.30	52115.67
40	12mm cement plaster to out side of brick surfaces with cement mortar of mix 1:4 (1 cement : 4 fine sand) including necessary scaffolding, curing etc. all complete at all floors and all heights.				
	1:4 (1 cement: 4 fine sand)	SQM	28.02	177.50	4973.55
	Neat cement punning.	SQM	28.02	23.20	650.06
41	Supplying and fixing 900mm dia SFRC cover without frame for manhole including cost of all materials, T&P, labour etc complete as per direction of Engineer-in-charge.	NOS	2.00	2880.00	5760.00
42	2.5 cm thick A.S Flooring in C.C (1:2:4) including punning using 12 mm size C.B hard granite chips with cost of all labour & other materials etc complete.	CUM	8.67	300.00	2601.00
	<b>SOAK WAY GALLERY</b>				
43	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.	cum	4.31	195.40	843.06

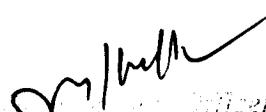
44	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	cum	0.53	375.30	200.53
45	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
	1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	cum	0.53	4513.70	2411.72
46	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth.	cum	2.41	4033.00	9734.95
47	Providing and laying in position ready mixed M-20 grade concrete for reinforced cement concrete work, using cement content as per approved design mix, manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work, including pumping of R.M.C. from transit mixer to site of laying , excluding the cost of centering, shuttering finishing and reinforcement, including cost of admixtures in recommended proportions as per IS : 9103 to accelerate/ retard setting of concrete. improve workability without impairing strength and durability as per direction of the Engineer - in - charge. (Note :- Cement content considered in this item is @ 330 kg/cum. Excess/less cement used as per design mix is payable/recoverable separately).	cum	0.20	7393.90	1461.15
48	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.	QTL	0.16	8615.30	1362.02
49	well sink with top and bottom cover of min 50 mm thk with cementing Khoa filling etc	no.	6.00	1670.00	10020.00
<b>GULLY CHAMBER(250X250X250)MM- 2 NOS</b>					
50	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.				
	A) Upto 1.5 M Depth	CUM	1.33	195.40	260.08
51	Filling at all depth with available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 15cm in depth: consolidating each deposited layer by ramming and watering complete (lead upto 100m) as directed by the Engineer-In-charge.	CUM	0.89	108.50	96.76
52	Supplying and filling sand in foundation and over areas including watering, ramming, consolidating and dressing, labours, tools, taxes etc. all complete as per the specification and direction of Engineer-In-Charge.	CUM	0.24	375.30	90.82
53	Providing and laying plain cement concrete 1:4:8 (1 cement : 4 sand : 8 stone aggregate 40mm nominal size) as levelling course in floor and plinth including tempering, curing, shuttering etc. complete all depth and height.	CUM	0.24	4125.10	998.27
54	Providing and laying in position ready mixed M-25 grade concrete for reinforced cement concrete work, using cement content as per approved design mix, manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work, including pumping of R.M.C. from transit mixer to site of laying , excluding the cost of centering, shuttering finishing and reinforcement, including cost of admixtures in recommended proportions as per IS : 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge. (Note :- Cement content considered in this item is @ 330 kg/cum. Excess/less cement used as per design mix is payable/recoverable separately).				
All works upto plinth level					
a) Footings :-					
		CUM	0.38	4925.90	1847.21

	b) WALL :-	CUM	0.38	10772.60	4039.73
	c) Slab:-	CUM	0.11	7393.90	831.81
55	Cutting, straightening coiled or bent up M.S. Rod or tor steel of SAIL/ TATA / RINL (VIZAG) make including bending, binding, welding and joining if necessary and tying the grills and placing in position as required for R.C.C. Work and for providing fan hooks as required, hoisting, lowering, laying including cost, conveyances, taxes of M.S. Rod or tor steel and binding wires of 18 to 20 gauge and labour required for the work for bending, binding and tying the grills in all floors (Linear measurement will be taken and quantity will be calculated basing on the standard weight of B.I.S. for M.S. Rods or tor steel only. Wastage if any, including weight of binding wire will not be considered for measurement) etc. complete as per specification & direction of Engineer-in-charge.				
		QTL	0.37	8615.30	3149.97
56	12mm cement plaster to out side of brick surfaces with cement mortar of mix 1:4 (1 cement : 4 fine sand) including necessary scaffolding, curing etc. all complete at all floors and all heights.				
	1:4 (1 cement: 4 fine sand)	SQM	2.00	170.70	341.40
	Neat cement punning.	SQM	2.00	23.20	46.40
57	2.5 cm thick <b>A.S Flooring</b> in C.C (1:2:4) including punning using 12 mm size C.B hard granite chips with cost of all labour & other materials etc complete.	CUM	0.13	300.50	37.56
	<b>INSPECTION CHAMBER600X600X600)MM- 3 NOS</b>				
58	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.				
	A) Upto 1.5 M Depth	CUM	11.48	195.40	2244.05
59	Filling at all depth with available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 15cm in depth: consolidating each deposited layer by ramming and watering complete (lead upto 100m) as directed by the Engineer-In-charge.	CUM	7.69	108.50	834.86
60	Supplying and filling sand in foundation and over areas including watering, ramming, consolidating and dressing, labours, tools, taxes etc. all complete as per the specification and direction of Engineer-In-Charge.	CUM	0.77	375.30	288.23
61	Providing and laying plain cement concrete 1:4:8 (1 cement : 4 sand : 8 stone aggregate 40mm nominal size) as levelling course in floor and plinth including tempering, curing, shuttering etc. complete all depth and height.	CUM	0.77	4125.10	3168.08
62	Providing and laying in position ready mixed M-25 grade concrete for reinforced cement concrete work, using cement content as per approved design mix, manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work, including pumping of R.M.C. from transit mixer to site of laying, excluding the cost of centering, shuttering finishing and reinforcement, including cost of admixtures in recommended proportions as per IS : 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge. (Note :- Cement content considered in this item is @ 330 kg/cum. Excess/less cement used as per design mix is payable/recoverable separately).				
	All works upto plinth level				
	a) Footings :-	CUM	0.63	4925.90	3107.01
	b) WALL :-	CUM	0.75	10772.60	8079.45
	c) Slab:-	CUM	0.47	7393.90	3465.89

  
 Date: \_\_\_\_\_  
 Place: \_\_\_\_\_

63	Cutting, straightening coiled or bent up M.S. Rod or tor steel of SAIL/ TATA / RINL (VIZAG) make including bending, binding, welding and joining if necessary and tying the grills and placing in position as required for R.C.C. Work and for providing fan hooks as required, hoisting, lowering, laying including cost, conveyances, taxes of M.S. Rod or tor steel and binding wires of 18 to 20 gauge and labour required for the work for bending, binding and tying the grills in all floors (Linear measurement will be taken and quantity will be calculated basing on the standard weight of B.I.S. for M.S. Rods or tor steel only. Wastage if any, including weight of binding wire will not be considered for measurement) etc. complete as per specification & direction of Engineer-in-charge.				
		QTL	0.88	8615.30	7578.02
64	12mm cement plaster to out side of brick surfaces with cement mortar of mix 1:4 (1 cement : 4 fine sand) including necessary scaffolding, curing etc. all complete at all floors and all heights.				
	1:4 (1 cement: 4 fine sand)				
	Neat cement punning.	SQM	6.00	177.50	1065.00
		SQM	6.00	23.20	139.20
65	2.5 cm thick <b>A.S Flooring</b> in C.C (1:2:4) including punning using 12 mm size C.B hard granite chips with cost of all labour & other materials etc complete.				
	<b>SWERAGE PIPELINE TRENCH</b>				
		CUM	1.69	300.50	507.09
66	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.				
		CUM	7.00	195.40	1367.80
67	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
	1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)				
		CUM	1.20	4513.70	5416.44
68	Supplying and filling sand in foundation and over areas including watering, ramming, consolidating and dressing, labours, tools, taxes etc. all complete as per the specification and direction of Engineer-In-Charge.				
		CUM	0.60	375.30	225.18
69	Supplying and filling in for CC lining 75 mm all around on PVC pipes and base along with Jamuna sand under floors, including watering, ramming, consolidating and dressing complete.				
		CUM	0.74	749.30	555.01
	<b>RAIN WATER LINE PVC PIPE FITTINGS</b>				
70	Providing, laying and jointing PVC pipes and fittings along with fixing to wall etc complet as per IS no-15905 .				
	(i) 110 mm diameter in				
	100mm dia 90 Elbow	Mtr	12.00	504.50	6054.00
		NO.	2.00	335.86	671.72
	<b>Internal PH work</b>				
71	Providing all materials, labour, T&P for fitting and fixing white glazed vitreous china water closet (European pattern) with seat cover (solid) and Cistern of approved make in all floor including supply of suitable bracket, PVC wall plug and Brass screws etc. all complete including cost, taxes and conveyance as per specification all complete as per direction of Engineer-in-charge. <b>Make:HINDWARE/PARRYWARE/CERA.</b> <b>(As per Cat no 20065 of Hindware)</b>				
a)	Cost of European water closet with P trap ( SLICK) of Hindware 20011.	NOS	6.00	3581.50	21489.00
72	Providing all materials, labour, T&P for fitting and fixing of 32mm size Dual Flush Valve with elbow set & Wall flanges of approved make in all floor including supply of suitable bracket, PVC wall plug and Brass screws etc. all complete including cost, taxes and conveyance as per specification all complete as per direction of Engineer-in-charge. <b>Make:HINDWARE cat no.-20011.</b>				
		NOS	6.00	1730.00	10380.00

73	Supply all materials and labour for fitting and fixing of following size <b>Half Pedestal wash hand basin</b> of approved make in all floor of approved quality including cutting the walls & floor and making good the damages with cement concrete etc. including all taxes, duties, transportation etc. all complete as per direction of EIC. <b>(Make:HINDWARE/PARRYWARE/JAQUAR)</b> <b>(As per Cat no. hindware make having cat no - 10010)</b>	NOS	1.00	4214.60	4214.60
74	Longbody One-way Bib cock with wall Flange. <b>(As per Cat no.F330011 of Hindware)</b> 15 mm nominal bore	NOS	4.00	1580.90	6323.60
75	Two-way Bibcock with wall Flange. <b>(As per Cat no.F200004 of Hindware)</b> 15 mm nominal bore	NOS	6.00	1359.30	8155.80
76	15mm dia Mixer Pillar Cock <b>(As per Hindware Cat No-F730002)</b> 15 mm nominal bore	NOS	1.00	1714.40	1714.40
77	Health Faucet ABS SS braided hose 1.25m with CP hook. <b>(As per Cat no. F160027 of Hindware)</b>	NOS	6.00	1132.60	6795.60
78	15mm dia Angle Stop cock with Wall Flange. <b>(As per Cat no.F200005 of Hindware)</b>	NOS	23.00	956.80	22006.40
79	C.P. Soap Dish holder. <b>(As per Cat no.F580004 of Hindware)</b>	NOS	10.00	1014.90	10149.00
80	32 mm C.P. Bottle Trap.	No.	1.00	1504.24	1504.24
81	32mm dia C.P.waste 130 mm ht. (Half Threaded) <b>(As per Cat no.F850001of Hindware)</b>	No.	1.00	550.00	550.00
82	Towel Rail 600 mm long . <b>(As per cat no -F880005 of Hindware)</b>	No.	6.00	1506.20	9037.20
83	Towel Ring with round Flange. <b>(As per Cat no.F880007 of Hindware)</b>	No.	3.00	1878.00	5634.00
84	Overhead shower 150 mm Round shape Multi Flow (ABS Body) chrome plated with Gray Face Plate)with with 100mm Long bend pipe Shower Arrangement System Flat shape for wall mounted Showers with Flange. . (As per Cat no. F160142 of Hindware)	NOS	4.00	3447.10	13788.40
85	Single lever Concealed mixture for Overhead shower. (As per Cat no. F850090ACP of Hindware)	NOS	4.00	3097.70	12390.80
86	Providing and fixing Stainless Steel kitchen sink (Parryware, Cat no.-C855371 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required : Kitchen sink	NOS	2.00	7736.00	15472.00
87	Providing 15 mm dia Sink cock of Hindware having cat no - F120021 , including painting of fittings and brackets, cutting and making good the walls wherever required :	NOS	2.00	1931.30	3862.60
88	100x100 mm dia stainless steel grating	NOS	8.00	140.00	1120.00
89	Supply, Installation & commissioning of reputed make mechanically operated ball float with Brass Arm for each tank for closing & opening the inlet of each tank as per the water level in each tank suitable for handling 10 Bar pressure 2000ltr (Drinking water)	NOS	1.00	24000.00	24000.00
90	Providing all materials, labour, T&P for laying/fixing of following dia CPVC pipes SDR-11 as per IS-15778/2007 with ISI mark including fixing of required size CPVC fittings like bend, Tee, elbow, offsets etc. and the same fixed on wall or floor with holder bat clamps screw in all floor or laying in trenches including excavation of earth work in all kinds of soil & backfilling the trenches as per specification & testing the joints with required water pressure. The cost inclusive of all taxes,duties,transportation scaffolding etc. as per specification and direction of Engineer-in-charge. <b>Make:Supreme/ASTRAL/ASHRIVAD.</b>				
a	20 mm dia	RM	15.00	228.20	3423.00
b	25 mm dia	RM	6.00	289.20	1735.20
c	32 mm dia	RM	8.00	390.10	3120.80

  
 Chief Engineer  
 Municipal Corporation  
 Bangalore

91	Providing all materials, labour, T&P for laying/fixing of following dia CPVC pipes SDR-11 as per IS-15778/2007 with ISI mark including fixing of required size CPVC fittings like bend, Tee, elbow, offsets etc. and the same fixed on wall or floor with holder bat clamps screw in all floor or laying in trenches including excavation of earth work in all kinds of soil & backfilling the trenches as per specification & testing the joints with required water pressure. The cost inclusive of all taxes, duties, transportation scaffolding etc. as per specification and direction of Engineer-in-charge. <b>Make:Supreme/ASTRAL/ASHRIVAD.</b>				
	40 mm dia	Mtr.	12.00	534.00	6408.00
92	Providing, laying and jointing PVC SWR soil waste water pipes conforming to IS:13592 Type-B, Includes making connection with sanitary fittings, and testing of pipelines, etc. all complete .				
a)	75 mm dia	RM	18.00	349.90	6298.20
b)	100 mm dia	RM	15.00	504.50	7567.50
93	Providing and fixing gun metal ball valve with C.I. wheel of approved quality (screwed end) :				
a)	25mm dia ball valve	No.	2.00	519.70	1039.40
b)	32mm dia ball valve	No.	2.00	1049.90	2099.80
c)	40mm dia ball valve	No.	1.00	1379.30	1379.30
94.0	Providing, fixing, testing and commissioning of suitable insertion between flanges as per BS-10 Table D/E wafer type spring loaded, Nitrile rubber lining seat, SG iron disc, AISI-410 SS STEM and C.I. body Butterfly valve PN 1.0 Hand lever operated for <b>COLD water application</b> , conforming to IS : 13095. Body Test Pressure:2.4 Mpa and Seat Test Pressure: 1.6 Mpa.				
	(i) 40 mm.	Each	1	3000.00	3000.00
95	Providing all materials labour, T&P for making grooves in bricks/stone masonry walls vertically or horizontally up to required depth and width in all floor for laying of pipes and fittings up to 50mm dia, testing the joints with required water pressure and making good the damages with cement concrete 1:2:4 with 12mm size h.g.c.b.chips and finished smooth with cement mortar (1:4) to original shape including cost of materials, curing, conveyance, taxes of all materials etc. all complete as per specification & direction of EIC.	Mtr.	20.00	158.40	3168.00
96	Providing all labour, T&P for cutting holes in bricks or stone masonry wall for taking pipes in all floors and making good the damages with cement concrete 1:2:4 finished smooth with CP 1:4 to original shape including cost of all materials, curing, conveyance, taxes, duties etc. all complete as per specification & direction of Engineer-in-charge.				
a)	For 25mm to 110mm dia pipe to pass in 250mm thick wall	No.	32.00	44.60	1427.20
97	Providing all labour, T&P and cutting holes in RCC chajja/roof/floor for taking pipes through and making good the damages with supply of all required materials etc. complete as per the direction of the Engineer-in-charge.	No.	4.00	157.80	631.20
98	Supply, fixing and testing <b>UPVC SWR TYPE - B</b> with all kind of relevant <b>Fittings</b> as per IS. In case of Pipe Clamps. <b>Make:Supreme/ASTRAL/ASHRIVAD.</b>				
a)	160mm dia pipe	Rmt.	20.00	934.50	18690.00
99	Providing, laying and jointing PVC SWR soil, waste and vent pipes under floor /suspended under ceiling / fixed on the wall face conforming to IS:7834-1975 , ISO-6594 Includes necessary fittings like (plain or door)tees, bends, collars, crosses reducers, Y, etc. of approved make, drip seal joint, suspended under ceiling / embedded in floor. Includes making connection with sanitary fittings,of approved make etc all complete .(As per Supreme etc)				
a)	100 mm Plain Bend 45°	Nos.	6.00	171.00	1026.00
b)	100mm Plain bend	Nos.	10.00	576.00	5760.00
c)	100 mm Door Bend	Nos.	6.00	625.00	3750.00
d)	100 mm Vent Cowl	Nos.	3.00	130.00	390.00

e)	100 mm End plug	Nos.	5.00	404.00	2020.00
	<b>Electrical work</b>				
A	Sub-Head I (modular Wiring Items)				
100	<p>Point wiring in Recessed wiring to light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLSH/LSZH PVC insulated copper conductor of ISI marked <b>Make- Make- Finolex/Anchor/Polycab/HAVELLS or equievalant reputed make A catagory ISI marked as approved as approved</b> 20 mm dia PVC flexible non metallic conduit FRLS type ISI marked <b>Make- AKG/Anchor/Kinjal or equievalant reputed make A catagory ISI marked as approved</b> with 6A modular type(( falme retradant type)) switch ISI marked <b>Make- Schneider(Zencelo)/legrand( Arteor) /Panasonic (vision) or equievalant reputed make &amp; model A catagory ISI marked as approved</b>, and ceiling rose ISI marked <b>Make- Schneider(Zencelo)/legrand( myrius) /Panasonic (Equievalant model) or equievalant reputed make &amp; model A catagory ISI marked as approved</b> of modular type G.I box with metallic cover plate (both side) falme retradant type) <b>Make- Schneider(Zencelo)/legrand( Arteor) /Panasonic (vision)or equievalant reputed make &amp; model A catagory ISI marked as approved</b>, of suitable size, modular box with 1.5 sq. Mm FRLS PVC insulated single core multistandard copper conductor as earth wire including all accessories and connection as per direction of Engineer -in -Charge. <b>CATAGORY AS FOLLOWS ,complete suitable for Office.(Maximum 02 nos point in one circuit).All the switches &amp; sockets should be warrantied for a replacement period of 10 years against defects with necessary test report &amp; Warrnaty certificate to be submitted to the department for genuinity of product &amp; to avail free after sales service within warranty period for acceptance of materials.</b></p>				
a)	GROUP-A	Nos	35	551	19285.00
a-1)	GROUP-B	Nos	15	785	11775.00
a-2)	GROUP-C	Nos	10	1077	10770.00
101	<p>Group control of point in Recessed wiring to light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLSH/LSZH PVC insulated copper conductor of ISI marked <b>Make- Make- Finolex/Anchor/Polycab/HAVELLS or equievalant reputed make A catagory ISI marked as approved as approved</b> 20 mm dia PVC flexible non metallic conduit FRLS type ISI marked <b>Make- AKG/Anchor/Kinjal or equievalant reputed make A catagory ISI marked as approved</b> with 6A modular type(( falme retradant type)) switch ISI marked <b>Make- Schneider(Zencelo)/legrand( Arteor) /Panasonic (vision) or equievalant reputed make &amp; model A catagory ISI marked as approved</b>, and ceiling rose ISI marked <b>Make- Schneider(Zencelo)/legrand( myrius) /Panasonic (Equievalant model) or equievalant reputed make &amp; model A catagory ISI marked as approved</b> of modular type G.I box with metallic cover plate (both side) falme retradant type) <b>Make- Schneider(Zencelo)/legrand( Arteor) /Panasonic (vision)or equievalant reputed make &amp; model A catagory ISI marked as approved</b>, of suitable size, modular box with 1.5 sq. Mm FRLS PVC insulated single core multistandard copper conductor as earth wire including all accessories and connection as per direction of Engineer -in -Charge. <b>CATAGORY AS FOLLOWS ,complete suitable for Office.(Maximum 02 nos point in one circuit).All the switches &amp; sockets should be warrantied for a replacement period of 10 years against defects with necessary test report &amp; Warrnaty certificate to be submitted to the department for genuinity of product &amp; to avail free after sales service within warranty period for acceptance of materials.</b></p>				
		Nos	8	1017	8136.00

102	Supplying ,fixing of 6A Plug on the same board in existing switch board with complete fitting by 01 no of 6A switch & socket <b>(modular type)( ( falme retradant type))</b> & other required accessories of ISI marked as approved as per direction of Engg. -in - Charge. <b>Make-Schneider(Zencelo)/legrand( Arteor) /Panasonic (vision) or equievalant reputed make &amp; model A catagory ISI marked as approved, complete suitable for for HOSTEL.(Maximum 02 nos point in one circuit).All the switches &amp; sockets should be warrantied for a replacement period of 10 years against defects with necessary test report &amp; Warrnaty certificate to be submitted to the department for genuinity of product &amp; to avail free aftersales service within warranty period for acceptance of materials.</b>				
		Nos	8	193	1544.00
103	Supplying,fixing of 6A Plug on the separate board with complete fitting by 01 no of 6A switch & socket <b>(modular type)( ( falme retradant type))</b> with suitable size modular box & cover( falme retradant type) including supplying of all required accessories of ISI marked as approved as per direction of engg-in-charge.. <b>Make-Schneider(Zencelo)/legrand( Arteor) /Panasonic (vision) or equievalant make &amp; model ISI marked as approved , complete suitable for Residence.(Maximum 02 nos point in one circuit).All the switches &amp; sockets should be warrantied for a period of 10 years against manufacturing defects against which necessary test report &amp; Warrnaty certificate to be submitted to the department for genuinity of product &amp; to avail free aftersales service within warranty period for acceptance of materials.</b>				
		Nos	12	506	6072.00
104	Supplying,fixing of 1x16A Plug on the separate board with complete fitting by 01 no of 16A switch & socket <b>(modular type)( falme retradant type))</b> with suitable size modular box & cover( falme retradant type) including supplying of all required accessories of ISI marked as approved as per direction of engg-in-charge.. <b>Make-Schneider(Zencelo)/legrand( Arteor) /Panasonic (vision)or equievalant reputed make A catagory ISI marked as approved, (For equipement power)All the switches &amp; sockets should be warrantied for a replacement period of 10 years against defects with necessary test report &amp; Warrnaty certificate to be submitted to the department for genuinity of product &amp; to avail free aftersales service within warranty period for acceptance of materials.</b>				
		Nos	6	643	3858.00
105	Receass wiring for circuit/submain wiring with the following mentioned size PVC <b>FRLSH/LSZH</b> insulated, copper conductor, single core cable <b>(Finolex/Anchor/Polycab/ HAVELLS/RR KEBLE)</b> or equievalant reputed make A catagory ISI marked as approved, in recessed PVC conduit Heavy duty FRLS of mentioned size <b>(AKG/Anchor/Kinjal or equievalant</b> ISI marked as approved) as required as per direction of Engg.-in-Charge. Necessary test report & Warrnaty certificate to be submitted to the department for genuinity of product & to avail free after sales service within warranty period for acceptance of materials				
106	<b>2 nos single core 1.5 sq. mm copper wire</b> for phase and neutral and 01 no of single core 1.5 sq. mm copper wire for earth continuty conductor. In 20 mm dia non metallic heavy duty flexible conduit (LDB to LSB/LIGHT CKT) <b>(2X1.5+1X1.5)</b>	Mtr	45	130	5850.00

107	<b>2 nos single core 2.5 sq. mm copper wire</b> for phase and neutral and 01 no of single core 1.5 sq. mm copper wire for earth continuity conductor in 20 mm dia non metallic heavy duty flexible conduit.(BDB to LSB/LIGHT CKT/5A PLUG/INVERTER POINT TO EACH QTR) <b>(2X2.5+1X1.5)</b>	Mtr	100	144	14400.00
108	<b>4 nos single core 2.5 sq. mm copper wire</b> for phase and neutral and 02 nos of single core 2.5 sq. mm copper wire for earth continuity conductor .in 25 mm dia non metallic heavy duty flexible conduit(LDB to LSB/5A SOCKET) <b>(4X2.5+2X2.5)</b>	Mtr	88	261	22968.00
109	<b>2 nos single core 4 sq. mm copper wire</b> for phase and neutral and 01 no of single core 1.5 sq. mm copper wire for earth continuity conductor in 20 mm dia non metallic heavy duty flexible conduit .(PDB to PSB/ GAYSER POINT/AC POINT/ROOM LIGHT CONTROL TO CORRIDOOR POINT/DG PANEL ESSENTIAL LOAD) <b>(2X4+1X1.5)</b>	Mtr	16	161	2576.00
110	<b>4 nos single core 4 sq. mm copper wire</b> for phase and neutral and 02 nos of single core 2.5 sq. mm copper wire for earth continuity conductor in 32 mm dia non metallic heavy duty flexible conduit.(PDB to PSB/GAYSER. POINT/AC POINT/DG PANEL ACCL TO EACH QTR ESSENTIAL LOAD) <b>(4X4+2X2.5)</b>	Mtr	10	244	2440.00
111	<b>2 nos single core 6 sq. mm copper wire</b> for phase and neutral and 01 no of single core 2.5 sq. mm copper wire for earth continuity conductor in 25 mm dia non metallic heavy duty flexible conduit .(LFDB TO LBDB) <b>(2X6+1X2.5)</b>	Mtr	12	192	2304.00
112	<b>4 nos single core 6 sq. mm copper wire</b> for phase and neutral and 02 nos of single core 2.5 sq. mm copper wire for earth continuity conductor in 32 mm dia non metallic heavy duty flexible conduit.(LFDB TO LBDB/power unit/point) <b>(4X6+2X2.5)</b>	Mtr	6	290	1740.00
113	<b>4 nos single core 10 sq. mm copper wire</b> for phase and neutral and 02 nos of single core 4 sq. mm copper wire for earth continuity conductor in 32 mm dia non metallic heavy duty flexible conduit .(LFDB TO FLOOR PANEL TO TPN BDB light ) <b>(4X10+2X4)</b>	Mtr	6	417	2502.00
114	Supplying and fixing 20 amps, 240 volts, SPN, industrial type socket outlet, with 2 pole and earth metal enclosed plug top along with 32 amps. C-series, SP MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket outlet, and complete with connections, testing and commissioning etc. as required as per direction of Engg.-in-Charge. . <b>Make-Legrand/Schneider/Siemens/panasonic or equievalant reputed make &amp; model A catagory ISI marked as approved,All the Components should be warrantied for a replacement period of 5 years against defects with necessary test report &amp; Warrnaty certificate to be submitted to the department for genuinity of product &amp; to avail free aftersales service within warranty period for acceptance of materials.</b>	Nos	2	613	1226.00
115	Supplying and fixing following size/ modules, GI box along with modular base & metallic cover plate (both side) plate for modular switches in recess etc as required as per direction of Engg.-in-Charge. <b>MAKE-Legrand/Siemens/Anchor/Panasonic/ Schneider or equievalant reputed make &amp; model A catagory ISI marked as approved .All the Components should be warrantied for a replacement period of 5 years against defects with necessary test report &amp; Warrnaty certificate to be submitted to the department for genuinity of product &amp; to avail free aftersales service within warranty period for acceptance of materials.</b>				
a)	4 moudle(125mmx75mm)	Nos	2	265	530.00
b)	1 moudle(75mmx75mm)	Nos	1	218	218.00
c)	12 moudle(200mmx150mm)	Nos	2	480	960.00

  
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116	Supplying and fixing of following sizes of medium class PVC FRLS conduit ISI marked along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required as per direction of Engg.-in-Charge . <b>MAKE KINJAL/ AKG/Anchor or equivalent reputed make A category ISI marked as approved</b>				
a)	20 MM	mtrs	8	97	776.00
b)	25 MM	mtrs	6	99	594.00
117	Supply and fixing modular type indicator on the existing switch box/cover . Equievalant higher model of <b>Schneider/Hager/Siemens/Anchor/Panasonic</b> make or equievalant reputed make & model A category ISI marked as approved as required as per direction of Engg.-in-Charge.All the Components should be warrantied for a replacement period of 5 years against defects with necessary test report & Warrnaty certificate to be submitted to the department for genuinity of product & to avail free aftersales service within warranty period for acceptance of materials.	Nos	4	103	412.00
118	Supplying and installation of AC starter Modular type, <b>Equievalant higher model of Schneider/Hager/Siemens/Anchor/Panasonic make</b> or equievalant reputed make & model A category ISI marked as approved coil voltage-415 Volt A.C. & O/L range of 9-14A range on mod Box of suitable size including modular coveras required as per direction of Engg.-in-Charge .All the Components should be warrantied for a replacement period of 5 years against defects with necessary test report & Warrnaty certificate to be submitted to the department for genuinity of product & to avail free aftersales service within warranty period for acceptance of materials.	Nos	2	614	1228.00
119	Supply and fixing CALL bell (Ding dong type) /Buzzer on the existing switch box/cover. <b>Equievalant higher model of Schneider/Hager/Siemens/Anchor/Panasonic make or equievalant reputed make &amp; model A category ISI marked as approved</b> .as required as per direction of Engg.-in-Charge.All the Components should be warrantied for a replacement period of 5 years against defects with necessary test report & Warrnaty certificate to be submitted to the department for genuinity of product & to avail free aftersales service within warranty period for acceptance of materials.	Nos	1	204	204.00
120	S/F of <b>Bakelite angle holder/batten holder</b> (make- <b>Anchor/Havells/Panasonic</b> or equievalant reputed make A category ISI marked as approved )of ISI marked conforming to IS-1258/1987 in place of ceiling rose as per direction of Engg.-in-Charge . All the Components should be warrantied for a replacement period of 5 years against defects with necessary test report & Warrnaty certificate to be submitted to the department for genuinity of product & to avail free aftersales service within warranty period for acceptance of materials.	each	12	60	720.00
121	Supplying,fixing of Blanking plate( <b>modular type</b> )( <b>falme retradant type</b> ) in existing switch box(anti bacterial & falme retradant type) including supplying of all required accessories of ISI marked as approved as per direction of engg-in-charge.. <b>Make-Schneider(Zencelo)/legrand( Arteor) /Panasonic (vision), complete suitable for IPH standard hospital.It should be warrantied for a period of 10 years against manufacturing defects against which necessary test report &amp; Warrnaty certificate to be submitted to the department for genuinity of product &amp; to avail free aftersales service within warranty period for acceptance of materials.</b>	Nos	12	42	504.00
B	Sub-Head II (Light fitting Fixture & Fan)				

122	Supplying, installation, of exhaust fan of heavy duty 300 mm sweep <b>(Make-Equievalant higher model with 5 star rated of Havells/almonard/Anchor/Panasonic/Usha/Halonix or equievalant reputed make &amp; model A catagory ISI marked as approved )</b> of exhaust fan in the existing wall, including fixing & conntection as required as per direction of Engg.-in-Charge. Replacement Warranty will be 5 years.	Nos	6	3092	18552.00
123	Supplying, installation, testing and commssioning of 1400 mm sweep white/milky colour ceiling fan <b>Make-Equievalant higher model with 5 star rated of Havells/almonard/Anchor/Panasonic/Usha/Halonix or equievalant reputed make &amp; model A catagory ISI marked as approved )</b> including wiring the down rod of standard length (upto 30 cm) with 1.5 sq mm PVC insulated, copper conductor, single core cable etc. as required.(With fan Regulator) as required as per direction of Engg.-in-Charge.Replacement Warranty will be 5 year..	Nos	2	2012	4024.00
124	Supplying, installation, testing and commssioning of 1200 mm sweep white/milky colour ceiling fan <b>Make-Equievalant higher model with 5 star rated of Havells/almonard/Anchor/Panasonic/Usha /Halonix or equievalant reputed make &amp; model A catagory ISI marked as approved )</b> including wiring the down rod of standard length (upto 30 cm) with 1.5 sq mm PVC insulated, copper conductor, single core cable etc. as required as per direction of Engg.-in-Charge,Replacement Warranty will be 5 years.. (With fan Regulator)	Nos	8	2001	16008.00
125	Supplying and fixing of Energy efficient surface mounted square shape 18 W LED luminaire of dimension of 225x 225 x 35 mm consists of white powder coated , die-cast Alluminium housing with high quality frosted diffuser for glare-free uniform lighting distribution with wattage not more than 20 watt and lumen output of 1500 lumens, , CRI not less than 80,CCT of 6000 degree K,THD less than 10%, with electronic driver, internal surge protection of 2.5 KV, L70 B50: 30000 hrs (2 yrs warranty) and all other accessories suitable for operation on 220 V to 240 V supply as required as per direction of Engg.-in-Charge. ( Make : (Make: wipro LD80-171-60-XX-SM or similar model of LT/Trilux /Philips/Panasonic/HALONIX or equievalant reputed make & model A catagory ISI marked as approved).The luminaire should be Replacement Warranty will be 5 years	Nos	11	1516	16676.00
126	SITC of energy efficient LED tube light fittings with decorative alluminium batten and LED tube light having power rating not more than 20 watt and lumen output not less than 2200 lumen complete with electronic driver and all other accessories with diffuser having 5 years warranty i/c connection etc as required as per direction of Engg.-in-Charge. ( (Make: wipro LL20-221 --or similar model of LT/Trilux /Philips/Panasonic/HALONIX or equievalant <b>reputed make &amp; model A catagory ISI marked as approved.</b> ). The luminaire should be Replacement Warranty will be 5 years .	Nos	4	795	3180.00
127	SITC of Sleek LED 10-12 watt mirror light fitting with extruded polycarbonate housing,High optically efficient diffuser, <b>above wash basin</b> complete with all accessoriesetc. directly on wall, including connection with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required as per direction of Engg.-in-Charge. ( Make : <b>WIPRO Model No:LL20-111-XXX-60-NE</b> or similar model of <b>PHILIPS/Panasonic/HALONIX or equievalant reputed make &amp; model A catagory ISI marked as approved.</b> )The luminaire should be Replacement Warranty will be 5 years	Nos	4	730	2920.00

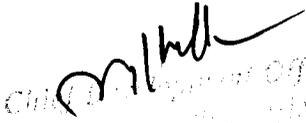
  
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128	Supplying and fixing of Energy efficient recess mounted LED luminaire with white powder coated ,pressure die-cast Al housing ,with high transmitivity,non-yellowing PMMA diffuser, with wattage not more than 20 watt and lumen output not less than 2600 Lumen ( 120 lumens/watt ) of size240 x240 x 40 mm , ,CRI not less than 80,CCT of 5700-6500 degree K,THD less than 10%, with Non integrated isolated driver (protects the output /secondary side from any di.turbance on the input / primary side ensuring safe operation), all other accessories , life : 50,000 burning hours (5 years warranty) , Internal surge protection of 3 KV suitable for operation on 230 V, 50 Hz supply as required as per direction of Engg.-in-Charge. (Make: wipro LDB1-171-XXX-60-SM or similar model of LT/Trilux /Philips/Panasonic/HALONIX or equievalant reputed make & model A catagory ISI marked as approved.) The luminaire should be Replacement Warranty will be 5 years.	Nos	35	1998	69930.00
129	Supplying, installation, testing and commssioning of 400 mm sweep wall fan <b>Make-Equievalant higher model with 3 star rated of Havells/almonard/Anchor/Panasonic/Usha/Halonix or equievalant reputed make &amp; model A catagory ISI marked as approved )</b> including wiring with 1.5 sq mm PVC insulated, copper conductor, single core cable etc. as required as required as per direction of Engg.-in-Charge.Replacement Warranty will be 5 years.	Nos	4	2155	8620.00
130	Supplying and fixing extra conduit down rod of 20 cm length G.I. pipe 15 mm dia, heavy gauge including painting etc. as requiredas required as per direction of Engg.-in-Charge . (Note : More than 5 cm length shall be rounded to the nearest 10 cm and 5 cm or less shall be ignored)of ISI mark as approved.	Nos	20	32	640.00
c)	DBDS,DB,AC DB,FLOOR PANELS,MCBS				
131	Supplying and fixing of following mentioned way, three pole/single pole and neutral, sheet steel,double door MCB distribution board, 415 volts/240 volts shall be as per IEC 61439-3,integrated door earthing system offering additional safety to the user,High quality polyurethane Gasket,the box and cover shall be fabricated to withstand IK09,the DB should be properly pre-treated with 7 tank process and duly powder coated, phosphatized with powder coated finish, on surface/recess, complete with terminal blocks,with suitable size FR PVC insulated copper conductor up to terminal blocks, tinned copper busbar, neutral busbar, earth bar din bar. <b>Make-LEGRAND-Ekinox3 DB/ Siemens-Betaguard/ Schneider- Acti 9/Panasonic(Equivalant model) /ABB(Equivalant model)</b> or equievalant reputed make & model A catagory ISI marked as approved. as per direction of Engg.-in-Charge. The Distribution boards should be Replacement Warranty will be 5 years				
a)	4 Way(8+12) Way TPN MCB DD DB Horizontal Type as per IEC 61439-3 suitable for Flush mounting and Surface mounting with 100A Copper Bus Bar for each phase, with neutral Bus bar, Earth Bar & Cable ties for cable management, prefitted masking sheet, IP43-IK09 with metal door( <b>FOR LIGHT,POWER INDOOR,3-PH,POWER LOAD</b> ) <b>Warranty on DB is 2 years.</b>	Nos	2	2164	4328.00

132	Supply and fixing of 12 way DD single pole and neutral sheet steel MCB distribution board 250V on surface/recess complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, detachable gland plate, interconnections, phosphatized and powder painted including earthing etc. as required (but with out MCB/ RCCB/ Isolator) <b>(ALL LIGHT WITH CORRIDOOR/Common Area, EM LIGHT, UPS LOAD, EM LOAD LIGHT LOAD, POWER LOAD )</b>	Nos	2	1902	3804.00
c)	2+4 way MCB Enclosure DB (GLAZED door)(only each EM. CONNECTION UPS LOAD)	Nos	1	1630	1630.00
133	Supplying and fixing 20 amps rating, 240 volts, C series, Double poles MCB of <b>Make-LEGRAND-Ekinox3 DB/ Siemens-Betaguard/ Schneider- Acti 9/L&amp;T (Equievalant model)/Panasonic(Equivalent model) /ABB(Equivalent model) or equievalant reputed make &amp; model A catagory ISI marked as approved</b> in the existing MCB DB complete with connections as per direction of Engg.-in-Charge. The MCB should be Replacement Warranty will be 5 years.MCB should have the fault indication system in different colour for ON, OFF & TRIP condition or Mid trip position for Trip conditions for easier identification of fault.Warranty on MCB is 5 years.	Nos	1	335	335.00
134	Supplying and fixing 6 amps to 32 amps rating, 240 volts, C series, single poles MCB of <b>Make-LEGRAND-Ekinox3 DB/ Siemens-Betaguard/ Schneider- Acti 9/L&amp;T (Equievalant model)/Panasonic(Equivalent model) /ABB(Equivalent model) or equievalant reputed make &amp; model A catagory ISI marked as approved.</b> the existing MCB DB complete with connections as per direction of Engg.-in-Charge. The MCB should be Replacement Warranty will be 5 years.MCB should have the fault indication system in different colour for ON, OFF & TRIP condition or Mid trip position for Trip conditions for easier identification of fault.Warranty on MCB is 5 years.	Nos	36	132	4752.00
135	Supplying and fixing 25Amps DP 240 volts, RCCB,300mA <b>Make-Equievalant higher model of Legrand/Snheider/Siemens / L&amp;T/Panasonic /ABB or equievalant reputed make &amp; model A catagory ISI marked as approved in the existing MCB DB</b> in the existing MCB DB complete with connections as per direction of Engg.-in-Charge. The RCCB should be Replacement Warranty will be 5 years	Nos	2	1687	3374.00
136	Supplying and fixing 40Amps DP 240 volts, RCCB,300mA <b>Make-Equievalant higher model of Legrand/Snheider/Siemens / L&amp;T/Panasonic /ABB or equievalant reputed make &amp; model A catagory ISI marked as approved in the existing MCB DB</b> in the existing MCB DB complete with connections as per direction of Engg.-in-Charge. The RCCB should be Replacement Warranty will be 5 years	Nos	1	1924	1924.00
137	Supplying and fixing 63Amps TPN 415 volts, RCCB,300mA <b>Make-Equievalant higher model of Legrand/Snheider/Siemens / L&amp;T/Panasonic /ABB or equievalant reputed make &amp; model A catagory ISI marked as approved in the existing MCB DB</b> in the existing MCB DB complete with connections as per direction of Engg.-in-Charge.(for power BDB & AC ODU, 8 way TPN BDB IC).The RCCB should be Replacement Warranty will be 5 years	Nos	2	2639	5278.00
D	(Earthing) INSTALLATION				
138	S/IT/C of materials and installation of pipe earth electrode made out of 50mm dia class B G.I. pipe of 3.0 metre long with arrangements for fitting/ termination of G.I. flat / wire with G. I. nut bolts & washers including cost of burnt wood charcoal, salt, foreign soil, water pouring arrangements, brick masonry enclosure on top with removable RCC cover complete with labour for excavation of pit in all kinds of soil & rock as required and as per direction of Engineer-in-charge.The entire earthing system should be Replacement Warranty will be 5 years	Nos	1	3137	3137.00
139	Providing and fixing 4 mm dia copper wire on surface or in recess for loop earthing as required.as per direction of Engg.-in-Charge.	Mtr	25	95	2375.00

140	Providing and fixing 25mm x 5 mm copper strip on surface or in recess for connections etc. as required as per direction of Engg.-in-Charge.	Mtr	2	1054	2108.00
E	<b>CABLING AND END TERMINATION MAIN AREA</b>				
141	Supplying of one number PVC insulated armoured and PVC sheathed XLPE property <b>AL. conductor</b> power cable of 1.1 KV grade <b>POLYCAB/HAVELLS/Finolex or equievalant reputed make ISI marked as approved</b> of following size cables as per direction of Engg.-in-Charge. Necessary test report & Warrnaty certificate to be submitted to the department for genuinity of product & to avail free after sales service within warranty period for acceptance of materials				
a)	4core x 16 sq mm (MDB TO FDBL/FDBU SUB,BDB)	Mtr	9	145.61	1310.49
b)	4 core x 4 sq mm (for small power/LIGHT TO FOCUS)	Mtr	9	87.87	790.83
c)	3.5core x 35 sq mm (To power MDB)	Mtr	54	218.41	11794.14
142	<b>LAYING OF CABLE</b>				
143	Laying of PVC Insulated PVC Seated /XLPE power cable of 1.1 kv grade size not exceeding 25 SQ. MM direct in ground in the trench in one horizontal formation including excavation ,sand coushing protection covering and refilling the trench etc as required as per direction of Engg.-in -charge.	Mtr	20	128	2560.00
144	Laying of PVC Insulated PVC Seated /XLPE power cable of 1.1 kv grade size not exceeding 25 SQ. MM direct in ground in the EXISTING PIPE etc as required as per direction of Engg.-in -charge.	Mtr	19	41	779.00
145	Laying of PVC Insulated PVC Seated /XLPE power cable of 1.1 kv grade size exceeding 25 SQ. MM but not exceeding 400 SQ. MM direct in ground in the EXISTING PIPE etc as required as per direction of Engg.-in -charge.	Mtr	10	56	560.00
146	Laying of PVC Insulated PVC Seated /XLPE power cable of 1.1 kv grade size not exceeding 25 SQ. MM in open duct etc as required as per direction of Engg.-in -charge.	Mtr	8	34	272.00
147	Laying of PVC Insulated PVC Seated /XLPE power cable of 1.1 kv grade size exceeding 25 SQ. MM in open duct 400 SQ. MM direct in ground in the EXISTING PIPE etc as required as per direction of Engg.-in -charge.	Mtr	8	45	360.00
148	Laying of PVC Insulated PVC Seated /XLPE power cable of 1.1 kv grade size not exceeding 25 SQ. MM in surface with shaddle and screw etc as required as per direction of Engg.-in -charge.	Mtr	3	80	240.00
149	Laying of PVC Insulated PVC Seated /XLPE power cable of 1.1 kv grade size not exceeding 120 SQ. MM From 25 SQ. MM in surface with shaddle and screw etc as required as per direction of Engg.-in -charge.	Mtr	2	127	254.00
150	Laying of PVC Insulated PVC Seated /XLPE power cable of 1.1 kv grade size not exceeding 400 SQ. MM From 120 SQ. MM in surface with shaddle and screw etc as required as per direction of Engg.-in -charge.	Mtr	2	129	258.00
151	Supplying and making end termination with brass compression gland and aluminium lugs for following mentioned size cable.as per direction of Engg.-in-Charge.				
a)	4 core x16sq mm	Nos	2	195	390.00
b)	3.5 core x35 sq mm	Nos	2	327	654.00
152	Providing,fixing and laying of fallowing dia G.I. pipe (medium class) in ground complete with G.I fitting incl. trenching(75 mm depth)and refilling as per direction of Engg.-in-Charge.				
a)	50 mm dia	mtrs	1	410	410.00
153	Providing,fixing and laying of fallowing dia HDPE pipe (medium class) in ground complete with fitting incl. trenching(75 mm depth)and refilling as per direction of Engg.-in-Charge.				
a)	100 mm dia	mtrs	15	474	7110.00

F	PANELS				
	MAIN PANEL				
154	S/I/T&Commissioning of LT indoor floor mounted cubical type elect	Set	1	50057	50057.00
	Rom & sprader link,25 Ka & 01 nos of 63A 4P O/L changeover switch for DG & Servo. . (make- <b>ABB/Siemens/SCHNEIDER/L&amp;T/Legrand, ISI marked)(Icu=100%Ics)with shunt trip.with axulary for BMS</b>				
	Busbar- 04 numbers of 200Amps Electrolytic copper busbar duly sleeved by color coated PVC sleeve & supported by suitable size DMC insulator.				
	Busbar DG - 04 numbers of 60 Amps Electrolytic copper busbar duly sleeved by color coated PVC sleeve & supported by suitable size DMC insulator.				
	Out going- (i) 63A 4P MCB 2 NOS FOR POWER BDB GF,1f(Legrand/Schneider make)				
	Out going- (ii) 02 nos 32A 4P MCB LIGHT BDB AC IDU BDB/LIGHT BDB,LIFT,WATER,solar,ups(Legrand/Schneider make)				
	Out going- (iii) 01 no 32A 2P MCB LIGHT BDB AC IDU BDB/LIGHT BDB,LIFT,WATER,solar,ups(Legrand/Schneider make)				
	Instrument- (i)3 numbers phase indicating lamp with toggle switch & HRC fuse.				
	(ii) 01 set of digital type multifunction meter with CT for voltage,current,frequency,PF,THD indication				
	CABLE TRAY /RACE WAY FOR DISTRIBUTION OF POWER				
155	HOT DIPP GALVANIZED(GC) AS PER EN-ISO-1461 , CARBON STEEL WIRE MESH CABLE TRAYS with internal dimensions of size 54mm(H) x 200mm(W), of <b>Legrand</b> - Cablofil make or equievalant reputed make & model A catogory, ISI marked as approved .The Load bearing capacity of the Cable Trays should be minimum of 104.8Kg/meter at the span of 1.5Meter as per UL specifications.(With all accessories,bend,cover,supporter)WITH REQUIRED SIZED JUNCTION BOX ,COVER CONNECTOR as required as per direction of Engg.-in-Charge. Warrentee period oftray must be 5 years & complete test certificate must be submitted .	mtrs	2	595	1190.00
156	HOT DIPP GALVANIZED(GC) AS PER EN-ISO-1461 , FLOOR RACE WAY WITH JUNCTION with internal dimensions of size 54mm(H) x 200mm(W), of <b>Legrand</b> - Cablofil make or equievalant reputed make ISI marked as approved .The Load bearing capacity of the Cable Trays should be minimum of 104.8Kg/meter at the span of 1.5Meter as per UL specifications.(With all accessories,bend,cover,supporter)WITH REQUIRED SIZED JUNCTION BOX ,COVER CONNECTOR as required.	mtrs	2	1098	2196.00
			Total Amount=Rs		<b>3778080.08</b>

  
 Chief Engineer  
 Electrical Department  
 Government of Karnataka  
 Bangalore

R = Value of work done during the quarter under consideration excluding the work executed under extra items if any at prevailing schedule of rate/derived rates.

Mo = The all India wholesale price index (all commodities) prevailed during the quarter of last gate of receipt of bids (as published by the Economics Adviser to govt of India, Ministry of Industry and commerce, New Delhi).

Mi = The all India wholesale price index (all commodities) for the quarter under consideration as published by the Economics Adviser to govt of India, Ministry of Industry and commerce, New Delhi in respect of the justified date of completion or the prevailing index of the period under consideration, whichever is less, shall be considered.

Pm = Percentage of materials component (other than cement, steel, bitumen, pipes and POL) of the work, as indicated in clause – 36 (d) below.

36(a)(ii): REIMBURSEMENT/RECOVERY OF DIFFERENTIAL COST DUE TO VARIATION IN PRICES OF PRINCIPAL MATERIALS (STEEL, CEMENT, AND PIPES NOT ISSUED BY DEPARTMENT) AFTER SUBMISSION OF TENDER.

If after submission of the tender, the prices of Steel, Cement, Bitumen and Pipes (not being supplied by the Department) increases/decreased beyond the price(s) prevailing at the time of the last date for submission of tenders including extension for the work, the contractor shall be eligible to get differential cost due to such hike on the value of works executed during the stipulated period and during the extended period when the reason of delay in completion of the work is not attributable to the Contractor. If penalty is levied for delayed completion of the work, the contractor shall not be eligible to get price variation on the above materials on the value of works executed during the extended period.

Reimbursement in case of differential cost due to increase in prices of cement, steel, bitumen and pipes are to be made by the Executive Engineer with prior approval of tender accepting authority subject to following conditions :

- 1) Contractors have to submit the vouchers showing procurement of different materials from authorized dealers for the said work.
- 2) Different cost will be allowed only for the works which are progressed as per the approved work programme/ revised work programme duly approved by the Engineer-in-charge.

Recovery in case of decrease in prices of cement, steel, bitumen & pipes shall be made by concerned Executive Engineer from the Contractor immediately.

The increase/decrease in prices of cement, steel, Bitumen and Pipes for reimbursement/recovery shall be determined as follow.

- a) Adjustment towards differential cost of cement

$V_c = (C_i - C_o)/C_o \times \text{Actual quantity of cement utilized in the work during the quarter under consideration} \times \text{base price of cement as prevailing on the last stipulated date of receipt of tender including extension, if any.}$

$V_c$  = Differential cost of cement i.e. amount of increase or decrease in rupees to be paid or recovered.

$C_i$  = All India Wholesale price index for cement for the quarter under consideration as published by Economic Adviser, Govt. of India, Ministry of Industry and commerce, New Delhi.

$C_o$  = All India Wholesale price index (as published by Economic Adviser, Govt. of India, Ministry of Industry and commerce, New Delhi) for cement as prevailing on the last stipulated date of receipt of tender.

- b) Adjustment towards different cost of Steel

$V_s = (S_i - S_o) \times \text{Actual quantity of steel utilized in the work during the quarter under consideration.}$

$V_s$  = Different cost of Steel i.e. amount of increment of decrease in rupees to be paid or recovered.

$S_i$  = Cost of the Steel as prevailed during the period under consideration as fixed by Steel Authority of India.

$S_o$  = Base price of Steel prevailing as on the last date of submission of tender including extension, if any.

- c) Adjustment towards differential cost of Bitumen.

$V_b = (B_i - B_o) \times \text{Actual quantity of Bitumen utilized in the work during the quarter under consideration.}$

$V_b$  = Different cost of Bitumen i.e. amount of increase decrease in rupees to paid or recovered.

$B_i$  = Average cost of Bitumen prevailed during the period under consideration as fixed by IOCL/BPCL/HPCL.

$B_o$  = Base price of bitumen as prevailing on the last stipulated date of receipt of tender including extension, if any.

- d) Adjustment towards differential cost of pipes.

$V = 0.85 \times PP/100 \times R (P_i - P_o)/P_o$

$V$  = Differential cost of pipe i.e. amount of increase or decrease in rupees to be paid or recovered during the quarter under consideration.

$PP$  = Percentage of pipe component of the work as indicated in the clause 36 (d).

$R$  = Value of work done during the quarter under consideration excluding the value of the work executed under extra items, if any, at prevailing schedule of rates derived rate.

$P_i$  = All India Whole sale price index for the period under consideration as published by Economic Advisor, Govt. of India, Ministry of Industry and Commerce, New Delhi, for the type of pipe under consideration.

$P_o$  = All India Whole sale price index (as published by Economic Advisor, Govt. of India, Ministry of Industry and Commerce, New Delhi) as on the last stipulated date of receipt of tender including extension, if any, for the type of pipe under consideration.

36(b) : REIMBURSEMENT/REFUND DUE TO STATUTORY RISE IN COST OF MINIMUM WAGES BY GOVERNMENT :

If after submission of the tender, the wages of labour increases or decreased as a direct result of the coming into force of any fresh law, or statutory rule or order beyond the wages prevailing at the time of the last date of submission of tender including extension the contractor shall be eligible to get escalation due to such hike on the value of works executed during the stipulated period and during the validly extended period when the delay in completion is not attributable to the Contractor. If penalty is levied for delayed completion of the work, the contractor shall not be eligible to get escalation on labour on the value of works executed during the extended period.

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The contractor shall, within a reasonable time of his becoming aware of any alteration in the price of any such wages of labour, give notice thereof to the Engineer-in-Charge stating that the same is given pursuant to this condition together with all information relating thereof which he may be in a position to supply. Engineer-in-Charge may call books of account and other relevant documents from the contractor to satisfy himself about reasonability of increase in prices of wages and actual payment thereof for this purpose labour component of the work executed during period under consideration shall be the percentage (as specified in table below) of the value of work done during that period and the increase/decrease in labour shall be consideration on the cost of immediately wages of any unskilled Labour, fixed by the Government of Odisha under Minimum wages act.

The compensation for escalation for labour shall be worked out as per formula given below :

$$Vi = 0.85 \times Pi/100 \times R \times (Li - Lo)/Lo$$

Vi = increase or decrease in the cost of work during the quarter under consideration due to changes in rates of minimum wages.

R = Value of work done during the quarter under consideration excluding the work executed under extra items if any at prevailing schedule of rate/derived rates.

LO = the minimum wages for labour as notified by State Government, as prevailing on the last stipulated date of receipt of tender including extension, if any.

Li = the minimum wages for labour as notified by State Government & as prevailed on the last date of the quarter previous to the one under consideration. In respect of the justified period extended, the minimum wages prevailing on the last date of quarter previous to the quarter pertaining to stipulated date of Completion or the minimum wage prevailing on the last date of the quarter previous to the one under consideration, whichever is less, shall be considered.)

Pi = Percentage of labour component of the work, as indicated in the clause 36 (d).

36(c) : REIMBURSEMENT/REFUND DUE TO VARIATION IN PRICE OF P.O.L :

Similarly, if during the progress of work, the prices of Diesel, Petrol, Oil and Lubricants increases or decreases as a result of the price fixed there of by the Government of India and the Contractor thereupon necessarily and properly pays such increased or decreased price towards Diesel, Petrol, Oil and Lubricants used in the execution of the work, then he shall be entitled to reimbursement or liable to refund, quarterly as the case may be such an amount as shall be equivalent to the plus or minus difference of 85% in between the price of P.O.L, which is operating for the quarter under consideration and that operated for the quarter of last date of receipt of bids as per the formula indicated below provided that the work has been carried out within the stipulated time or extension thereof as are not attributable to him. If penalty is levied for delayed completion of the work, the contractor shall not be eligible to get price escalation on POL on the value of works executed during the extended per.

Formula to calculate the increase or decrease in the price of P.O.L

$$Vf = 0.85 \times Pf/100 \times R \times (Fi - FO) / FO$$

Vf = Increase or decrease in the cost of work during the quarter under consideration due to Changes in rates for P.O.L

Pf = Percentage of P.O.L component of the work, as indicated in clause – 36 (d) below.

R = Value of work done during the quarter under consideration excluding the work executed under extra items if any at prevailing schedule of rate/derived rates.

Fi = All India Whole sale price index for Fuel, Oil & Lubricant (High Speed Diesel) for the quarter under consideration as published by Economic Adviser, Govt. of India, Ministry of Industry And Commerce, New Delhi. In respect of the justified period extended, the rates prevailing at the time of stipulated date of completion or the prevailing rates of the period under consideration, whichever is less, shall be considered.

Fo = All India Whole sale price index for Fuel, Oil & Lubricant (High Speed Diesel) as prevailing on the last stipulated date of receipt of tender including extension, if any.

36(d) : The following percentage will govern the price adjustment for the entire contract for different types of works as applicable given in the following table :

S.I. No.	Category of works		% Component (cost wise)		
			Labour (P.)	POL (P)	Steel+Cement+Bitumen+Other Materials*
1	R&B works (% of component)	Road works	5	5	90
		Bridge Works	25	5	70
		Building Works	25	-	75
2	Irrigation works (% of component)	Structural work	20	5	75
		Earth, Canal & Embankment work	25	10	65
3	Full Work	Structural work	25	5	70
		Pipeline work	5	-	Pipe – 75%
		Sewer Line	10	-	*Other material – 25%

**\*Note : - Further break up may be worked out considering the consumption of Cement, Steel, Bitumen and pipe in the concerned works for the period under consideration.**

36(e) : APPLICATION OF ESCALATION CLAUSE :

- (i) The contractor shall for the purpose of availing reimbursement/refund of differential cost of steel, bitumen, cement, pipe, POL and wages, keep such books of account and other documents as are necessary to show that the amount of increase claimed or reduction available and shall allow inspection of the same by a duly authorized representative of Government and further, shall at the request of the Engineer-in-charge, furnish documents to be verified in such a manner as the Engineer-in-charge may require any document and information kept. The Contractor shall within a reasonable time of 15 days of his becoming aware of any alteration in price of such material, wages of labour and/or price of P.O.L give notice thereof to the Engineer-in-charge stating that the same is given pursuant to this condition alongwith information relating there to which he may be in a position to supply.
- (ii) The compensation for escalation shall be worked out at quarterly intervals and shall be with respect to the cost of work done as per bills paid during the three calendar months of the said quarter. The first such payment shall be made at the end of three months after the month (excluding the month in which tender was accepted) and thereafter at three months intervals. At the time of completion of the work, the last period for payment might become less than 3 months, depending on the actual date of completion.

Clause 36(f)-After the work is furnished all surplus materials and debris are to be removed by the contractor and preliminary works such as Vats mixing platforms etc. are to be dismantled and all materials removed from site. The ground upto 100'-0" wide from the building should be cleared and dressed.

FARE WAGE CLAUSE

Clause 36(g)-The contractor shall not employ for the purpose of the contract any person who is below the age of 12 year and shall pay to each labour for work done by such labourers fair wages.

Expalnation-Fair wages means wages weather for time or price work prescribed by the state public work's department provided that where higher rates have been prescribed under the minimum wages act 1948 wages at such higher rate should constitute fair wages.

The Executive Engineer shall have the rights to enquire into are decided any complaints alleging that wages paid by the contractor to any labour for work done by such labour is less than the wages as per the sub-paragraph (1) above

37. If any advance / Secured advance is granted by the Department the same will bear interest at the rate of 18% P.A.
38. All items of work as per schedule of quantities of this tender should confirm to Orissa Detailed Standard Specification. I.R.C. & I.S.I. Codes & Bridge code section I,II,III,IV&VII & latest design criteria for pre-stressed concrete bridge specially for Roads & Bridges issued by Mo RT&H., Government of India, Compacting shall have to be carried out with help of mechanical vibrators from the range of I.S.:2505, I.S.:2006, I.S.:2514, I.S.:4656.
39. Shuttering & cantering shall be with suitable steel shutters in side of which shall be lined with suitable sheeting and made leak proof and watertight. All joints in formwork shall be properly sealed preferably with P.V.C. joints sealing tapes & compounds.
40. Form work including complete false work shall be designed by the Contractor without any extra cost to employer and the Department will have the right to inspect the scaffolding, centring and shuttering made for the work and can reject partly of fully such structures, if found defective in their opinion. Any eventually such as loss of lives or property due to failure of centring and shuttering shall be the responsibility of the Contractor regarding compensation of all claims thereof.
41. Cement shall be used by bags and weight of one bag of Cement should be 50 (fifty) Kg. net & the Engineer-in-Charge or his representative shall have the right to test the weight & quality from time to time.
42. The tenderers shall make all arrangements for proper storage of materials but no cost for raising shed for store and pay of security guard etc. will be borne by the Department. The department is not responsible for any theft or loss of materials at site. It is contractor's risk. Under any such plea, if the tenderer stops the work he shall have to pay the full penalty as per clauses of the contract.
43. Approach road to site of work for transport of materials to site of work is sole responsibility of the Contractor. Statutory traffic restriction in the town area for Transport of construction material to site of work is to be taken in to consideration before tendering and no consideration for extra time or compensation thereof shall be considered.
44. The contractor should at his own cost arrange necessary tools and plants required for efficient execution of work and the rates quoted should be inclusive of transportation, hire and running charges of such plant and cost of consumables.
45. The contractor shall properly co-ordinate with the execution of works and take care of the safety of workers.
46. The machineries if available, with the department may be supplied on hire as per charges noted in the enclosed statement and may be changed from time to time subject to the condition that the contractor will execute in advance an agreement with the Engineer-in-Charge.
47. No claim whatsoever will be entertained for supply of machineries. No extension of time will be granted to the contractor under this ground under any circumstances

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48. The tenders should furnish along with their tender a list of works executed during the last three years duly certified by the concerned Engineer-in-charge indicating the satisfactory completion for works as per the proforma enclosed in a separate sheet of schedule-H.
49. An applicant or any of its constituent partners of whose contract for any work has been rescinded or who has abandoned any work in the last five years, prior to the date of the bid, shall be debarred from qualification. The tenderer is to furnish an **affidavit** at the time of submission of tender paper about the authentication of tender documents. An **affidavit** to this effect is to be furnished in **Schedule-F**. **Non-furnishing** of the information in **Schedule - E** and required affidavit in **Schedule – F**, the bid document will be **summarily rejected**.
50. **It should be clearly understood that:**
- The joints of the bars are to be provided with lapping, welds or bolts nuts as well be directed by the Engineer-in-charge.
  - Concrete test specimens 150mm × 150mm × 150mm in size (whether plain or reinforced concrete) for the testing shall be taken for each structural member by a representative of the contractor in the presence of responsible officer of the rank not lower than that of an Assistant Engineer or sub-Divisional Officer. The contractor shall bear the cost so involved in testing. The test specimen in cube should be carried out in the Departmental Control and Research Laboratory of Cuttack or Bhubaneswar. Test should be carried out in accordance with the stipulation in Bridges code section-III.
  - Test specimens shall be formed carefully in accordance with the standard method of taking test specimen and no plea shall be entertained later on the grounds that the casting of the test specimen was faulty and that the result of the specimen did not give a correct indication of the actual quality of concrete.
  - Plain concrete and reinforced concrete specimens will be tested in **Quality control and Research Laboratory at Bhubaneswar, Quality control Division, Cuttack and Zonal laboratories**. Cost of testing of all specimens and samples will be borne by the Contractor.
51. The rates quoted should be inclusive of carriage of water required in connection with execution of the work. No claim for carriage of water whatsoever will be entertained.
52. The contractor shall employ one or more Engineering Graduate or Diploma holders as apprentice at his cost if the work as shown in the tender exceeds Rs.2, 50,000.00. The apprentices will be selected by the Chief Engineer. The period of employment will commence within one month after the date of work order and would last till the date, when 90% of the work is completed. The fair wage to be paid to the apprentices should not be less than the emolument of personnel of equivalent qualification employed under Government. The number of apprentices to be employed should be fixed by the Chief Engineer in the manner so that the total expenditure does not exceed one percent of the tendered cost of the work.
53. **List of tool & plants in running condition in possession of contractor is to be furnished in a separate sheet of schedule-C.**
54. It is the responsibility of the contractor to procure and store explosive required for blasting operation. Department may render necessary possible help for procuring license.
55. For submission of a tender for the work, the tenderer will be deemed to have satisfied himself by actual inspection of the site and locality of the work about the quality and availability of the required quantity of materials, Medical aid, labour and Flood stuff etc. and that the rates quoted by him in the tender will be adequate to complete the work according to the specifications attached thereto and that he had taken in to account all conditions and difficulties that may be encountered during its progress and to have quoted labour rates and materials with taxes, Octroi and other duties lead, lifts, loading and unloading freight for materials and all other charges necessary for the completion of the work to the entire satisfaction of the Engineer-in-charge of the work and his authorized subordinates. After acceptance of the contract rates Government will not pay any extra charges for any reason in case the contractor finds later on to have misjudged the conditions as regards the availability of materials, labour and other factors. The contractor will be responsible for any misuse, loss or damages due to any reasons whatsoever of any departmental material during the execution of work. In case of loss, damage or misuse, recovery at the rate at 5 times the cost of the materials will be deducted from the bills or his other dues.
56. The prevailing percentage of I.T. Department of the gross amount of the bill towards income tax will be deducted from the contractor's bill.
57. Prevailing rate of VAT on the gross amount of the bill will be deducted from the contractor's bill, where Agreement Value is **One Lakh and above**.
58. It must be clearly understood that under no circumstances any interest is chargeable for the dues or additional dues if any payable for the work executed and final bill pending disposal due to any reason whatsoever.
59. No extra payment will be made for removing spreading and consolidating salvaged metals and materials.
60. Under section 12 of contractors labour (Regulation and Abolition) Act. 1970 the contractor who undertakes execution of work through labour should produce valid license from licensing authorities of labour Department.
61. **(i) Amendment to Appendix – IX, Clause – 36 of OPWD Code Vol.-II by inclusion**  
If the rate quoted by the bidder is less than 15% of the tendered amount, then such a bid shall be rejected and the tender shall be finalized basing on merits of rest bids. But if more than one bid is quoted at 14.99% (Decimals up to two numbers will be taken for all practical purposes) less than the estimated cost, the tender accepting authority will finalise the tender through a transparent lottery system, where all bidders / their authorized representatives, the concerned Executive Engineer and DAO will remain present.

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

If the rate quoted by the SC and ST Category Contractor comes to 14.99% (decimals upto two numbers will be taken for all practical purposes) less than the estimated cost after availing 10% price preference as per Para-2 of Works Department Resolution No.27748 dtd.11.10.1977, then the tender shall be finalized by the tender accepting authority through a transparent lottery system alongwith other category of contractors whose rates are 14.99% less than the estimated cost' as per Works Department Memorandum No.10224 dtd.01.09.2015.

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

(Additional performance Security)

Additional Performance Security shall be obtained from the bidder when the bid amount is less than estimated cost put to tender. In such an event, only the successful bidder who has quoted less bid price/ rates than the estimated cost put to tender shall have to furnish the exact amount as Additional Performance Security (APS) as per following instructions mention as per Works Department Government of Odisha Vide OM No- 4559 Date-05.04.2021 andin shape of Demand Draft/ Term Deposit Receipt pledged in favour of the Divisional Officer within seven days, otherwise the bid shall be cancelled and the security deposit shall be forfeited. Further, proceeding for blacklisting shall be initiated against bidder as per Works Department Office Memorandum No.14299 dtd.03.10.2017.

Sl. No.	Rang of Difference between the estimate cost put to tender and Bid amount.	Additional Performance Security to be deposited by the successful bidder
1	Below 5%	No Additional Performance Security.
2	From 5% and above and below 10%	50% of (Difference between estimated cost put to tender and Bid Amount)
3	From 10% and above	150% of (Difference between estimated cost put to tender and Bid Amount)

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

(Amendment to Appendix-IX, Clause-36 of OPWD Code Vol.-II)  
(by inclusion vide O.M.No.12366 dt.08.11.2013).

(B) Additional Performance Security shall be obtained from the bidder, when the bid amount is less than the estimated cost put to tender. In such an event, only the successful bidder who have quoted less bid price / rates than the estimated cost put to tender shall have to furnish the exact amount of differential cost i.e. estimated cost put to tender minus the quoted amount as Additional Performance Security in shape of Term Deposit Receipt pledged in favour of Divisional Officer CDO-CUM-EO,ZP, Sonepur payable at Sonepur within seven days, otherwise the bid shall be cancelled and the security deposit shall be forfeited. Further proceeding for blocking shall be initiated against bidder (O.M. No.14299 dt.03.10.2017). If the Contractor fails to complete the work, the amount so furnished as additional performance security will be forfeited in addition to the other penal clauses, if any to be imposed.

(Amendment to Para-3.5.5 (V) Note-II of OPWD Code Vol.-I by substitution of O.M. No.14299 dt.03.10.2017 in place of O.M. No.5288 dt.04.05.2016).

62. **Sample of all material** - The contractor shall supply sample of all materials fully before procurement for the work for testing and acceptance as may be requiring by the concerned Executive Engineer.
63. Super class contractor shall employ under himself two Graduate Engineer and two Diploma holders belonging to the State of Orissa. Special class contractor shall employ under him one graduate Engineer and two Diploma Holders belonging to the state of Orissa. Like wise 'A' class contractor shall employ under him one Graduate Engineer or two Diploma Holders belonging to state of Orissa. The contractor shall pay to the Engineering personnel monthly emoluments, which shall not be less than the emoluments of the personnel of equivalent qualification employed under the State Govt. of Orissa. The Engineer-in Chief (Civil), Orissa may however assist the contractor with names of such unemployed Graduate engineers and Diploma Holders if such help is sought for by the contractor. The names of such Engineering personnel appointed by the Contractors should be intimated to the tender receiving authority along with the tender as to who would be supervising the work. Each bill of the Super Class, Special Class or 'A' Class Contractor shall be accompanied by an employment Roll of the Engineering personnel together with a Certificate of the Graduate Engineer or Diploma Holder so employed by the contractor to the effect that the work executed as per the bill has been supervised by him. (Vide Works Department No. Codes M-22/91-15384 dated

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- 9.7.91). The required certificate is to be furnished in the proforma contained vide table 1.4 of Qualification Information of Section-2.
64. An engineering personnel of the executing agency should be present at work site at the time of visit of High level Inspecting officers in the rank of Chief Engineer and above.
  65. All reinforced cement work should conform to Orissa Detailed specification and should be of proportion as per Contract Agreement having desired compressive strength (in work test) in 15 Cm cubes at 28days, after mixing and test conducted in accordance with IS 456 and IS 516.
  66. Bailing out of water from the foundation, pipeline trenches S. Tanks/Soak pits/Sumps/M.H. etc. either rainwater or sub-soil water if necessary should be borne by the contractor. No payment will be made for benchmarks. Level pillars, profiles and benching and leveling the ground wherever required. The rates quoted should be for finished items of works inclusive of these incidental items of work. It should be understood clearly that no claims whatsoever would be entertained.
  67. The tenderer shall have to abide by the C.P.W.D. safety code rules introduced by the Government of India, Ministry of work Housing and Supply in their standing order No-44150 dtd.25.11.57.
  68. The Contractor will have to submit to the CDO-CUM-EO,ZP, Sonepur monthly return of labour both skilled and unskilled employed by him on the work.
  69. DELETED.
  70. After completion of the work the contractor shall arrange at his own cost all requisite equipments for testing buildings, if found necessary and bear the entire cost of such test, including the inspection of Higher Authority.
  71. The Tenderer should furnish along with their tender 1.a list of works, which are at present in their hand 2. list of T&P and 3.list of work executed in the prescribed Performa (s) enclosed herewith in appropriate place of bid document.
  72. All reinforced cement concrete works should be finished smooth Extra charges for plastering if required to any R.C.C. structures like roof slab, Columns, Chajjas, fins, parapets, shelves etc. shall not be paid.
  73. The tenderer may at his option quote reasonable rate for each item of work carefully so that the rate for one item should not be unworkable low and for others too high.
  74. The contractor has to arrange the samples of materials required for execution to be got tested and approved by the Department before taking up the work and during course of execution required from time to time. All such samples will be tested at **Departmental Control and Research Laboratory Bhubaneswar, Quality control division Cuttack and Zonal Laboratories**, at the cost of the Contractor with no extra cost to the Department.
  75. If there is any damage to the work due to natural calamities like flood or cyclone or any other cause during the course of execution of work or up to 6 months after completion of work or if any, imperfection becomes apparent to the work within 6 months from the date of final certificate of completion of work the contractor shall make good of all such damages at his own cost with no extra cost to the Department. No claims, whatsoever, in this regard will be entertained.
  76. The C.B. bricks should be well burnt and of good qualities. The bricks should be approved by the Engineer-in-charge before use in the work and should conform to the minimum strength as per National Building Code.
  77. Under Section 1 of contract labour Regulation and Abolition Act 1970 the contractor who undertakes execution of work through labour should produce valid license from the licensing authority of labour Department.
  78. Standard co-efficient for linear measurement will be adopted while calculating consumption of steel and no claim whatsoever regarding difference in co-efficient of steel will be entertained. The rates quoted shall be inclusive of any eventuality of difference for co-efficient for linear measurements.
  79. Engineer Contractor desirous to avail the facility of exemption of E.M.D is required to submit an affidavit to the effect that he has not yet availed the facility / participated in the tender for more than two works (Excluding this work) during the current financial year. The name of work for which participated and the authority to whom the tender was submitted must be mentioned in the affidavit, failing which the tender will be rejected.
  80. That for the purpose of jurisdiction in the event of disputes if any of the contract would be deemed to have been entered in to within the State of Orissa and it is agreed that neither party to the contract will be competent to bring a suit in regard to the matter by this contract at any place outside the State of Orissa.
  81. **SPECIAL CONDITIONS (PART OF THE CONTRACT)**
    - (I) All materials before they are being used in the items of works as per this Schedule of quantities and also the finished items of work where tests are applicable shall have to be tested through the Engineer-in-charge of the respective wing at appropriate Laboratories according to the relevant I.S. specifications of the materials and the said items of works and the cost of all such tests shall have to be borne by the Contractor and the rates of the items of works should be inclusive of cost of such tests.
    - (II) The tests have to be planned & carried out such that the progress of work is not hampered
    - (III) The tests are mandatory as per the prescribed frequencies and I.S. specifications. However, these are not exhaustive and the Engineer-in-charge has the right to prescribe other required test if any as will be considered from time to time.
  82. In case of ambiguity between clauses of this D.T.C.N. and the P-1 contract form, the relevant Clauses of the P-1 contract form shall prevail over the D.T.C.N. The clauses not covered under P-1 contract form shall be governed by the clauses of the D.T.C.N.
  83. It must be definitely understood that the Government does not accept any responsibility for the correctness and completeness of the trial borings shown in the Cross Section.

84. Schedule of quantities is accompanied in Bid It shall be definitely understood that the Government does not accept any responsibility for the correctness or completeness of this schedule and that this schedule is liable for alternation or omissions, deductions or alternations set forth in the conditions of the contract and such omissions, deductions, additions or alternations shall no way invalidate the contract and no extra monetary compensation, will be entertained.
85. In case of any complaint by the labour working about the non payment or less payment of his wages as per latest minimum Wages Act, the Executive Engineer will have the right to investigate and if the contractor is found to be in default, he may recover such amount due from the contractor and pay such amount to the labour directly under intimation to the local labour office of the Govt. The contractor shall not employ child labour. The decision of the Executive Engineer is final and binding on the contractor.
86. The contractor should arrange the materials like Steel, Cement, paint and bitumen etc. of approved quality and specification at his own cost for completion of the work with the time schedule. No extension of time will be granted on the application of the contractor due to delay in procurement of materials.
87. The bidder will be responsible for the loss or damage of any departmental materials during transit and in the execution of the work due to reasons what-so-ever and the cost of such materials will be recovered from the bills at stock issue rates or market rates whichever is higher.
88. If the contractor removes Government materials supplied to him from the site of work with a view to dispose of the same dishonestly, he shall be in addition to any other liability civil or criminal arising out of his contract be liable to pay a penalty equivalent to five times of the price of the materials according to the stock issue rate or market rate whichever is higher. The penalty so imposed shall be recovered at any time from any sum that may then or at any time thereafter become due to the contractor or from his security deposit or from the proceeds of sale thereof.
89. The selected contractor may take delivery of departmental supply according to his need for the work issued by the **Sub-Divisional office in-charge** subject to the availability of the materials. The tenderer shall make all arrangement for proper storages of materials but no cost for raising shed for storage, pay of security guard etc. will be borne by the Department. The Department is not responsible for considering the theft of materials at site. It is the contractor's risk. Under any such plea if the tenderer stops the work, he shall have to pay the full penalty as per clause of F2 agreement.
90. The Department will have the right to supply at any time in the interest of work any departmental materials to be used in the work and the contractor shall use such materials without any controversy or dispute on that account. The rate of issue of such materials will be at the stock issue rates inclusive of storage charges or rates fixed by the Department or current market rate whichever is higher.
91. All the materials which are to be supplied from P.W.D. store will be as per availability of stock and the contractor will have to bear the charges of straightening, cutting, jointing, welding etc. to required sizes in case of M.S. Rods or TOR Steel / M.S Angles, Tees and Joists etc. After the issue from the P.W.D. store, the materials may be under the custody of the contractor and the contractor will be responsible for its safety and storage. Cut pieces of steel more than one metre in length will be returned by the contractor at the issuing stores without conveyance charges.
92. Though Departmental issue of cement and steel has indicated, it may not be taken as binding. The contractor must have to arrange by themselves cement, steel, bitumen and every sort of materials from approved manufacturer, get it tested in the Departmental Laboratory and approved by the Department before use. No extension of time or escalation of price on such account shall be entertained in future.
93. TOR rods, plates and structural members will be supplied in quantity, length and size available in the stock. For payment of reinforcement, the steel including plates etc. shall be measured in length of different diameter, size and specification as actually used (including hooks and cranks) in the work correct to an inch or cm. And their weight calculated as per sectional weight prescribed by the Indian Standard Specification or as directed by the Engineer-in-Charge (Wastage of bars and unnecessary lapping will not be considered for measurement and payment).
94. **Orissa Bridge & Construction Corporation Ltd.** will be allowed price preference up to 3% over the lowest quotation or tender as laid down in Works and Transport Department Resolution No-285 date-17.04.1974. **The Orissa Construction Corporation** will be allowed a price preference to the extent of up to 3% over the lowest tender amount (Where their tender is not the lowest) provided they express willingness to execute the work after reduction of rates by negotiation.
95. The contractor is required to pay royalty to Govt. as fixed from time of time and produce such documents in support of their payment to the concerned Executive Engineer with their bills, falling which the amount towards royalties of different materials as utilised by them in the work will be recovered from their bills and deposited in the revenue of concerned department.
96. **Trial Boring** - The foundation level as indicated in the body of the departmental drawing is purely tentative and for the general guidance only. The Department has no responsibility for the suitability of actual strata at the foundation level. The contractor has to conduct his own boring before starting the work and get the samples tested at his own cost to ascertain the S.B.C. and credibility of the strata at founding level while quoting his rates for tender the contractor shall take in to account of the above aspects.
97. Any defects, shrinkage or other faults which may be noticed within 12 (Twelve) months from the completion of the work arising out of defective or improper materials or workmanship timing are upon the direction of the Engineer-in-Charge to be amended and made good by the contractor at his own cost unless the Engineer for reasons to be recorded in writing shall be decided that they ought to be paid for and in case of default Department may recover from the contractor the cost of making good the works. The contractor is also required to maintain the road/ building for 12 (Twelve) months from the date of successful completion of the work.

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98. From the commencement of the works to the completion of the same, they are to be under the contractors charge. The contractor is to be held responsible to make good all injuries, damages and repairs occasioned or rendered necessary to the same by fire or other causes and they hold the Govt. of Orissa harmless for any claims for injuries to person or structural damage to property happening from any neglect, default, want of proper care or misconduct on the part of the contractor or any one in his employment during the execution of the work. Also no claim shall be entertained for loss due to earthquake, flood, cyclone, epidemic, riot or any other calamity whether natural or incidental damages so caused will have to be made good by the contractor at his own cost.
99. **Gradation of ingredients:** The coarse and fine aggregate shall meet the grade requirement as per the latest provision of relevant I.S. Code / I.R.C. code / MoRT&H specifications.
100. Where it will be found necessary by the Department, the Officer-in-Charge of the work shall issue an order book to the contractor to be kept at the site of the work with pages serially numbered. Orders regarding the work whenever necessary are to be entered in this book by the P.W.D. Officer-in-Charge with their dated signatures and duly noted by the contractor or his authorised agents with their dated signature. Orders entered in this book and noted by the contractor's agent shall be considered to have been duly given to the contractor for following the instructions of the Department. The order Book shall be the property of the P.W.D. and shall not be removed from the site of work without written permission of the Engineer (Executive Engineer) and to be submitted to the Engineer-in charge every month.
101. The contractor should attach the certificate in token of payment deposit with the registration authority as per recent circular of the Government relating to his registration.
102. In case of any discrepancy in printing or omissions of statutory specifications or any other part or portion of the approved document during download of the bid document, the decision of the officer inviting the bid will be binding on the bidder.
103. The rates quoted by the contractor shall cover the latest approved rates of labours, materials, P.O.L. and Royalties. Arrangement of borrow areas; land, approach road to the building site etc. are the responsibility of the contractor.
104. The rate for each work of concrete items wherever dewatering is imperatively necessary the term dewatering shall mean the execution or operation of the items due to standing water as well as due to percolation of water. The quoted rates will be inclusive of this.
105. The contractor shall make requisition of claim book from the date of commencement of the work from the Department and shall maintain in proper P.W.D. form with pages serially numbered in order to record items of works are not covered by his contract and claimable as extra. Claims shall be entered regularly in this book under the dated signature of the contractor or his duly authorized agents at the end of each month. A certificate should be furnished along with the claim to the effect that he has no other claim beyond this claim up-to-date. If in any month there are no claims to record, a certificate to that effect should be furnished by the contractor in the claim book. Each claim must be defined and should be given as far as possible regarding the quantities as well as the total amount claimed. The claim book must be submitted by the contractor regularly by 10th and 16th days of each month for orders of the Engineer-in-Charge or competent authority. Claims not made in this manner or the claim book not maintained from the commencement of the work is liable to be summararily rejected. The claim book is the property of the P.W.D. and shall be surrendered by the contractor to the Engineer-in-charge after completion of the work or before recession of the contract by the Department which ever is earlier for record.
106. Number of tests as specified in I.R.C. / MoRT&H / I.S.I specification required for the construction of roads / bridges / buildings or any other structural works will be conducted in any Govt. Test House /Departmental laboratories/reputed material testing laboratory as to be decided by the Engineer-in-charge. Testing charges including expenditure for collection / transportation of samples /specimens etc. will be borne by the contractor. The collection of samples and testing are to be conducted for both prior to execution and during execution as may be directed by the Engineer-in-charge and on both the accounts the cost shall be borne by the contractor.
107. Even qualified criteria are met, the bidders can be disqualified for the following reasons, if enquired by the Department
- (a) Making a false statement or declaration.
  - (b) Past record of poor performance.
  - (c) Past record of abandoning the work half way/ recession of contract.
  - (d) Past record of in-ordinate delay in completion of the work.
  - (e) Past history of litigation.
108. In case the 1st lowest tenderer or even the next lowest tenderers withdraw in series one by one, thereby facilitating a particular tender for award, then they shall be penalized with adequate disincentives with forfeiture of EMD unless adequate justification for such back out is furnished. Appropriate action for black listing the tenderers shall also be taken apart from dis-incentivising the tenderer.

109. The following documents which are not submitted with the Bid, will be deemed to be part of the Bid:

Sl. No	Particulars
1	Notice Inviting tender
2	Instruction to the Bidders
3	Conditions of Contract.
4	Contract data

5	Specifications
6	Drawings

110. **Condition for issue of plant & machinery to contractor on hire:** - Tools & plants will be issued to the contractor only if it is desirable in the interest of Govt. works and if these can be spared without inconvenience to the Department. The Sanction of the Chief Engineer shall be necessary in each case. The contractor shall arrange his programme of work according to the availability of the plant & machinery & no claim will be entertained for any delay in supply by the Department.

An agreement shall be entered in to by the contractor to the effect that these hire charges are recoverable from the bills of the contractor regularly and the final payment for the work including refund of security deposit will not be made until the total amount due to the Government on account of hire of machinery etc. is recoverable in full. Full amount of hire charges due from the contractor at any contract at any time shall be recovered from his next subsequent bill. All transit and incidental charges in connection with the despatch of tools and plants and machineries from workshop shed/ deposit return there to, will be borne by the contractor. The hire charge shall be recovered at the prescribed rates from and inclusive of the date, the plant and machinery is made over up to and inclusive of the date of its return, even though the same day it may not have been utilised for any reason except for a major break down which may take more than 72 hours for repairs. The contractor shall immediately intimate in writing to the Engineer-in-charge when any plant or machinery goes out of order requiring major repairs. The hire charges are for clock hours. In case of tar boilers, hot mix plant and any other machinery requiring similar preparation the working hour will include the time required to make up the boiler temperature and bring plant to the operating conditions before the actual start of work. The machine will work in shifts of 8 hours each. Extra charges towards overtime wages of any of the operating and maintenance staff will be leviable. These charges will be fixed by the Engineer-in-charge from time of time. In no case, the tools and plants shall be operated beyond 8 hours in any shift without prior written permission of the Engineer-in-charge.

The contractor shall release the plant and machinery as and when required for periodical servicing and maintenance. He shall also provide for any labour and water source for washing the plants. In the case of Concrete mixtures, pavers and similar such type of equipments, the contractor shall arrange to get the hopper cleaned and the drums etc. washed at the close of work each day. The plant and machinery once issued to a contractor shall not be returned by him on account of lack of arrangement of labour and material etc. on his part. The same will be returned only when they do not require or when in the option of Engineer-in-charge the work or a portion of work for which issued is completed.

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

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

**FORM OF AGREEMENT** – The contractor shall, before taking the possession of the machinery, enter in to an agreement with the Engineer-in-charge or his nominees in the form attached. Log Books for recording the hours of daily works for each of the plant and machinery supplied to the contractor will be maintained by the Department will be attested by the contractor or his authorized agent daily. In case of contractor contests the correctness of the entries and / or fails to sign the logbook, the decision of the Engineer-in-charge shall be final and binding on him. Hire charges will be calculated according to the entries in the logbook and will be binding on the contractor.

#### AGREEMENT FOR LOANS OF GOVERNMENT TOOLS & PLANTS

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

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

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

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

- a) In consideration of agreement that hire charges be recovered from their bill for work executed on which this machinery will be used or any other than standing in the names of contractors in the book of the Department or any other Government Department. The Govt. agrees to let the hirer tools and plants for the period to be computed from the date of delivery of the tools and plant to the hirer at the P.W. Department workshop / store at Sonepur. The rate of higher charges will be as mentioned in the schedule attached.

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

**THE SCHEDULE**

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

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

1. Signed by:

2. Signed sealed and delivered in the presence of

**111. ELIGIBILITY CRITERIA FOR QUALIFICATION:**

Applicants shall furnish the followings.

- a. E.M.D as per the **Clause No. 7 and Clause No.21.**
- b. cost of tender paper as per **Clause No.4.**
- c. DELETED
- d. Information regarding current litigation, debaring / expelling of the applicant or abandonment of work by the applicant in schedule "E" and affidavit to that effect including authentication of tender documents and Bank guarantee in schedule "F" as per **Clause No.49** or other wise his/her bid shall be declared as non-responsive and thus liable for rejection.

*Sd/-*

- e. License criteria as per **Clause No.8** for tender.
- f. **DELETED**
- g. Experience in roads works having at least one similar nature of works in progress or completed with Certificates from the concerned Officer of the rank of Executive Engineer or Equivalent. (As per Schedule B and D). (**Not-Required**)
- h. Evidence of ownership of major items of construction equipments, named evidence of arrangement of processing them on hire/lease/buying as defined therein. (As per Annexure-III)
- i. Details of the technical personnel proposed to be employed for the Contract having the qualifications defined for construction. (As per Schedule G)
- j. Proposal for subcontracting the components of the works for construction/up-gradation, aggregating to not more than 25 percent of the contract price, if desired.
- k. Deleted.
- l. **Each bidder should further demonstrate:** Availability (either owned or leased) of the following key and critical equipments for the work: Based on the studies, carried out by the Engineer the minimum suggested major equipments to attain the completion of works in accordance with the prescribed construction schedule are shown in the Annexure-III, for which contractor have failing which the bidder is liable for rejection.
- M. The bidders are requested to go through details of Works Dept. Letter No File No.07556900042013 (P111)-7885(W) dt.23.07.2013 Guidelines/Procedure to be followed in introduction of e-Procurement in Government of Orissa (Included in the DTCN).  
NOTE: Scanned copies of evidence of all documents to justify Eligibility under the above clauses are to be furnished with the online bid.

**NOTE:**

**LIST OF DOCUMENTS ESSENTIAL AS PER ELIGIBILITY CRITERIA  
(TOATL 12 NOS)(FORM SEHEDULE A TO I)**

1. E.M.D for 1% Bid security declaration as per Notice.
2. Cost of Tender Paper as per Notice.
3. Valid Registration Certificate, GST Certificate and PAN Card.
4. Affidavit regarding Litigation, Debarring / Expelling, abandon of work as per Schedule-E.
5. **DELETED**.
6. List of work in Progress and Executed as per Schedule B & D .
7. In case of Composite work, additional information on work as per Schedule H ( Required).
8. Evidence of ownership Machinery as per Annexure-III and Certificate of availability duly signed in schedule-C.
9. Certificate of engagement Technical Persons as per Schedule-G.
10. No Relation Certificate in Schedule-A.
11. Affidavit on Authentication of tender document as per Schedule-F.
12. Undertaking in Schedule-I duly signed by tenderer.

112. **ADDENDUM TO THE CONDITION OF P-1 CONTRACT**  
Clause-2(a) of P-1 Contract:-TIME CONTROL:-**(Vide Works Department Office Memorandum No.24716 dtd.24.12.2005 and No.8310 dtd.17.05.2006)**
- 2.1. Progress of work and Re-scheduling programme.**
- 2.1.1. The Executive Engineer / Engineer-in-Charge shall issue the letter of acceptance to the successful contractor. The issue of the letter of acceptance shall be treated as closure of the Bid process and commencement of the contract
- 2.1.2. With in 15 days of issue of the letter of acceptance, the contractor shall submit to the Engineer-in- Charge for approval a Programme showing the general methods, arrangements, and timing for all the activities in the Works along with monthly cash flow forecast.
- 2.1.3. To ensure good progress during the execution of the work the contractors shall be bound in all cases in which the time allowed for any work exceeds one month to complete, 1/4th of the whole time allowed under the contract has elapsed, ½ of the whole of the work before ½ of the whole time allowed under the contract has elapsed, 3/4th of the whole of the work before 3/4th of the whole time allowed under the contract has elapsed.
- 2.1.4. If at any time it should appear to the Engineer-in-Charge that the actual process of the work does not conform to the programme to which consent has been given the Contractor shall produce, at the request of the Engineer-in-Charge, a revised programme showing the modifications to such programme necessary to ensure completion of the works within the time for completion. If the contractor does not submit an updated Programme within this period, the Engineer-in-Charge may withhold the amount of 1% of the contract value from the next payment certificate and continue to withhold this amount until the next payment after the date on which the overdue Programme has been submitted.
- 2.1.5. An update of the Programme shall be a programme showing the actual progress achieved on each activity and the effect of the progress achieved on the timing of the remaining work including any changes to the sequence of the activities.
- 2.1.6. The Engineer-in-Charge's approval of the Programme shall not alter the Contractor's obligations. The Contractor may revise the Programme and submit it to the Engineer-in-Charge again at any time. A revised Programme is to show the effect of Variations and Compensation Events.
- 2.2. Extension of the Completion Date.**
- 2.2.1. The time allowed for execution of the works as specified in the Contract data shall be the essence of the Contract. The execution of the works shall commence from the 15th day or such time period as mentioned in letter of Award after the date on which the Engineer-in-Charge issues written orders to commence the work or from the date of handing over of the site whichever is later. If the Contractor commits default in commencing the execution of the work as aforesaid, Government shall

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without prejudice to any other right or remedy available in law, be at liberty to forfeit the earnest money & performance guarantee / Security deposit absolutely.

- 2.2.2. As soon as possible after the Agreement is executed, the Contractor shall submit the Time & Progress Chart for each milestone and get it approved by the Department. The Chart shall be prepared in direct relation to the time stated in the Contract documents for completion of items of the works. It shall indicate the forecast of the dates of commencement and completion of various trades of sections of the work and may be amended as necessary by agreement between the Engineer-in-Charge and the Contractor within the limitations of time imposed in the contract documents, and further to ensure good progress during the execution of the work, the contractor shall in all cases in which the time allowed for any work, exceeds one month (save for special jobs for which a separate programme has been agreed upon) complete the work as per milestone given in contract data.
- 2.2.3. In case of delay occurred due to any of the reasons mentioned below, the Contractor shall immediately give notice thereof in writing to the Engineer-in-Charge but shall nevertheless use constantly his best endeavours to prevent or make good the delay and shall do all that may be reasonably required to the satisfaction of the Engineer-in-Charge to proceed with the works.
- i) Force majeure, or
  - ii) Abnormally bad weather, or
  - iii) Serious loss or damage by fire, or
  - iv) Civil commotion, local commotion of workmen, strike or lockout affecting any of the trades employed on the work, or
  - v) Delay on the part of other contractors or tradesmen engaged by Engineer-in-Charge in executing work not forming part of the Contract.
  - vi) In case a Variation is issued which makes it impossible for Completion to be achieved by the Intended Completion Date without the Contractor taking steps to accelerate the remaining work and which would cause the Contractor to incur additional cost, or
  - vii) Any other cause, which, in the absolute discretion of the authority mentioned, in Contract data is beyond the Contractors control.
- 2.2.4. Request for reschedule and extension of time, to be eligible for consideration, shall be made by the Contractor in writing within fourteen days of the happening of the event causing delay. The Contractor may also, if practicable, indicate in such a request the period for which extension is desired.
- 2.2.5. In any such case a fair and reasonable extension of time for completion of work may be given. Such extension shall be communicated to the Contractor by the Engineer-in-Charge in writing, within 3 months of the date of receipt of such request. Non-application by the contractor for extension of time shall not be a bar for giving a fair and reasonable extension by the Engineer-in-Charge and this shall be binding on the contractor.
- 2.3. Compensation for Delay.**
- 2.3.1. If the contractor fails to maintain the required progress in terms of clause-2 of P-1 Contract or to complete the work and clear the site on or before the contract or extended date of completion, he shall, without prejudice to any other right or remedy available under the law to the Government on account of such breach, pay as agreed compensation the amount calculated at the rates stipulated below as the Chief Engineer (whose decision in writing shall be final and binding) may decide on the amount of tendered value of the work for every completed day / month (as applicable) that the progress remains below that specified in Clause-2 of P-1 Contract or that the work remains incomplete. This will also apply to items or group of items for which a separate period of completion has been specified. Compensation @ 1.5% per month of for delay of work, delay to be completed on per Day basis. Provided always that the total amount of compensation for delay to be paid under this condition shall not exceed 10% of the Tendered Value of work or to the Tendered Value of the item or group of items of work for which a separate period of completion is originally given. The amount of compensation may be adjusted or set-off against any sum payable to the Contractor under this or any other contract with the Government. In case, the contractor does not achieve a particular milestone mentioned in contract data, or the rescheduled milestone(s) in terms of Clause-2.5, the amount shown against that milestone shall be withheld, to be adjusted against the compensation levied at the final grant of extension of time. Withholding of this amount on failure to achieve a milestone shall be automatic without any notice to the contractor. However, if the contractor catches up with the progress of work on the subsequent milestone(s), the withheld amount shall be released. In case the contractor fails to make up for the delay in subsequent milestone(s), amount mentioned against each milestone missed subsequently also shall be withheld. However no interest whatsoever shall be payable on such withheld amount.
- 2.4. DELETED**
- 2.5. Management Meetings**
- 2.5.1. Either the Engineer or the Contractor may require the other to attend a management meeting. The business of management meetings shall be to review the plans for remaining work and to deal with matters raised in accordance with the early warning procedure.
- 2.5.2. The Engineer shall record the business of management meetings and is to provide copies of his record to those attending the meeting and to the Employer. The responsibility of the parties for actions to be taken to be decided by the Engineer either at the management meeting or after the management meeting and stated in writing to all who attended the meeting.
- Clause-2 (b) of Item Rate P-1 Agreement:- Rescission of Contract (Amendment as per letter No.10639 dt. 27.05.2005 of Works Department, Orissa):-** To rescind the contract (of which rescission notice in writing to the contractor under the hand of the Executive Engineer shall be conclusive evidence), 20% of the value of left over work will be realized from the contractor as penalty.
113. The tenderers are required to go through each clause of P.W.D. Form P-1 carefully in addition to the clauses mentioned here in before tendering.
114. A Contractor may be black listed as per amendment made to Appendix XXXIV to OPWD Code Vol.-II on rules for black listing of Contractors vide letter no.3365 dt.01.03.2007 of Works Department, Orissa.

As per said amendment a Contractor may be blacklisted

- a) Misbehaviour /threatening of Departmental & supervisory officers during execution of work/tendering process.
- b) Involvement in any sort of tender fixing.

- c) Constant non-achievement of milestones on insufficient and imaginary grounds and non-adherence to quality specifications despite being pointed out.
- d) Persistent and intentional violation of important conditions of contract.
- e) Security consideration of the State i.e. any action that jeopardizes the security of the State.
- f) Submission of false/ fabricated / forged documents for consideration of a tender.

115. The safety certificate of the E.I. work will be furnished by the agencies after getting necessary verification from the electrical inspector / equally competent authority responsible for the work prior to Energisation of the building.

116. Percentage rate contract (vide Works Department letter no.8310 dt.17.05.2006) In case of percentage rate tender:-

i. The Contractor has to mention percentage excess or less over the estimated cost (In figures as well as words) in the prescribed format appended to the tender document.

ii. Contractors participated in the tender for more than one work may offer conditional rebate. Rebate offer submitted in separate sealed envelope shall be opened, declared and recorded first. The rebate so offered shall be considered after opening of all packages called in the same Tender Notice. The Contractors who wish to tender for two or more works shall submit separate tender for each. Each tender shall have the Bid Identification No., Name & Sl. No. of the work (as per IFB) to which they refer, written on the envelope.

iii. Only percentage quoted shall be considered. Percentage quoted by the Contractor should be accurately filled-in figures and words, so that there is no discrepancy.

a. If any discrepancy is found in the percentage quoted in words and figures, then the percentage quoted by the Contractor in words shall be taken as correct

b. If any discrepancy is found in the percentage quoted in percentage excess/ less and the total amount quoted by the Contractor, then percentage will be taken as correct.

c. The percentage quoted in the tender without mentioning excess or less and not supported with the corresponding amount will be treated as excess.

d. The percentage quoted in the tender without mentioning excess / less supported with corresponding amount does not tally with either to percentage excess or less then it will be treated as percentage excess.

e. The percentage quoted in the tender without mentioning excess / less supported with corresponding amount if tallied with the percentage then it will be treated as to which side the amount tallies.

f. The Contractor will write percentage excess/ less unto one decimal point only. If he writes the percentage excess / less upto two or more decimal points, the first decimal point shall only be considered without rounding off.

g. The tender shall be written legibly and free from erasures, over writings or corrections of figures. Corrections, over writings & interpolations where unavoidable should be made by making out, initialing, dating and rewriting.

iv. In the contract P1 time is the essence. The contractor is required to maintain a certain rate of progress specify in the contract.

v. The quantity mentioned can be increased or reduced to the extent of 10% for individual items subject to a maximum of 5% over the estimated cost. If it exceeds the limit stated above prior approval of competent authority is mandatory before making any payment.

vi. The period of completion is fixed and can not be altered except in case of exceptional circumstances with due approval of next higher authority.

vii. Bills for percentage rate tenders shall be prepared at the estimated rates for individual items only and the percentage excess or less shall be added or subtracted from the gross amount of the bill.

(Total 116 Clauses)

APPROVED BY

CDO-CUM-EO,ZP,Sonepur

#### SCHEDULE - A

#### CERTIFICATE OF NO RELATIONSHIP

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

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

(\*) - Strike out which is not applicable

Signature of the Tenderer

Date.-

#### SCHEDULE - B

#### WORKING EXPERIENCE

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**LIST OF BUILDING WORKS IN PROGRESS**

**Note:** The above information is to be certified by the Engineer in Charge / Employer not below the rank of Executive Engineer.

Name of Employer	Name of location and name of work	Contract price in Indian Rupees/ Agreement no.	Major Items of works	Date of starting the work as per Agreement	Stipulated date of completion of the work as per Agreement	Revised target date of completion of the work, if any	Reasons for slow progress, if any, with the updated billing amount
1	2	3	4	5	6	7	8

Signature of the Tenderer  
Date.....

**SCHEDULE – C**

**WORKING EXPERIENCE  
LIST OF BUILDING WORKS EXECUTED**

Name of Employer	Name of location and name of work	Contract price in Indian Rupees/ Agreement no.	Major Items of works	Date of starting the work as per Agreement	Stipulated date of completion of the work as per Agreement	Actual date of completion of the work	Reasons for delay in starting/ completion, if any
1	2	3	4	5	6	7	8

**Note:** The above information is to be certified by the Engineer in Charge / Employer not below the rank of Executive Engineer.

Signature of the Tenderer  
Date

**SCHEDULE – E**

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

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

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

Signature of Tenderer

CONTRACTOR

CDO-CUM-EO,ZP, Subarnapur

**SCHEDULE – F**

**AFFIDAVIT**

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

(Signature of Tenderer)

Title of Officer  
Name of Firm  
Date

**SCHEDULE - G**

**CERTIFICATE OF EMPLOYMENT OF UNEMPLOYED GRADUATE  
ENGINEER / DIPLOMA HOLDERS  
(For Super Class / Special Class / 'A' Class Contractors only)**

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

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

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

Signature of the Tenderer.  
Date: -

**SCHEDULE – H**

**Proposed sub-contracts and firms involved. [Refer ITB Clause 3.2 h]  
(Admissible in case of composite bids only)**

Sanction of the works	Value of Sub-contract	Sub-contractor (Name & Address)	Experience in similar work
1	2	3	4

Attach copies of certificates on possession of valid license for executing water supply/sanitary work/building electrification works [Reference Clause 3.2 h]

Signature of the Tenderer.  
Date

CONTRACTOR

CDO-CUM-EO,ZP, Subarnapur

**SAMPLE FORMATS  
UNDER TAKING**

**This is to certify that**

1. My firm has neither been associated, directly or indirectly, with the Consultant or with any other entity that has prepared the design, specifications, and other documents for the Project nor has any person associated with been proposed as Project Manager for the Contract.
2. My firm has not engaged any agency and any of its affiliates engaged by the Engineer-in-Charge to provide consulting services for the preparation or supervision of this work.
3. My firm has not engaged any Engineer of gazetted rank employed in Engineering or Administrative duties in an Engineering Department of the Government of Orissa or other gazetted officer retired from Government service during last two years without prior permission of the Government of Orissa in writing on or before submission of this tender. I am aware that my contract is liable to be cancelled if either I or any of my employees is found any time to be such a person who had not obtained the permission of the Government of Orissa as aforesaid.

Signature of the Tenderer.

Date:-

- Note:
- i. Strike out whichever is not applicable
  - ii. In case any person is under his employment with due permission from Government, the same may be cited in a separate letter.

**RELATIONSHIP DECLARATION**

To,

The Tender Inviting Officer,

Subject: ( Name of the Work)

Reference : (Bid reference number)

Sir,

Pursuant to clause 2.2 of the ITB, it is to inform that I have relative(s) employed as an Officer in the rank of an Assistant Engineer/Under Secretary under the \_\_\_\_\_ Department. His (Their) details are as follows.

Relationship:

Name:

Designation

Office

Address

Pursuant to clause 2.3 of the ITB, I am to submit herewith the names of persons who are working under my firm having near relatives to any gazetted officer in the rank of an Assistant Engineer/Under Secretary in the \_\_\_\_\_ Department.

Sl no	Name of the my employee and his designation in the firm	Presently working at	Details of his relatives working in the Department
			Relationship Name: Designation Office Address
			Relationship Name: Designation Office Address

I am also duty bound to inform the relationship of any subsequent employment with any gazetted officer in the rank of an Assistant Engineer/Under Secretary in the \_\_\_\_\_ Department. I am aware that any breach of this condition would render my firm liable for penal action for suppression of facts.

Yours Sincerely

Signature of the Tenderer.

Date:

CONTRACTOR

CDO-CUM-EO,ZP, Subarnapur

My /our Quoted rate is .....% (both in figure and wards) excess/over/less/ then /equal to the above estimated cost.

NOTES

1. The contractor should not write anything expecting quoting tender rate is mentioned , the tender is liable for rejection.
2. Strike out which is not applicable.
3. Percentage should be quoted up to one 1 digit after the decimal point.
4. Rate of all items are inclusive of cost, carriage, royalty and other taxes of materials.

Tender

No of rejection:.....

No of over writing:.....

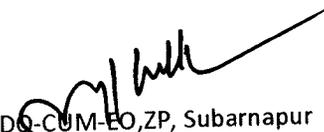
No of interpolation:.....

APPROVED FOR ..... ( ) ITEMS ONLY

Contractor

CDO-CUM-EO,ZP, SUBARNAPUR

CONTRACTOR

  
CDO-CUM-EO,ZP, Subarnapur

  
Zilla Parishad, Subarnapur

