

ଜିଲ୍ଲା ଖଣିଜ ପଦାର୍ଥ ପ୍ରତିଷ୍ଠାନ, ସୁନ୍ଦରଗଡ଼
DISTRICT MINERAL FOUNDATION, SUNDARGARH.



Bid Identification-SNG-DMF-10/2018-19

DETAILED TENDER CALL NOTICE(DTCN)

Name of the Work: - Construction of AWC Building at

- i) Ratakhandi Kanaktura GP.**
- ii) Dhumamunda Kanaktura GP.**
- iii) Ainlajharan Kanaktura GP.**
- iv) Khajuridihi Kanaktura GP.**

Estimated Cost: Rs. 45,57,677/-

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DISTRICT MINERAL FOUNDATION, SUNDARGARH.



(1st floor, DMF Office)
 District Rural Development Agency
 Email- dmfsundergarh@gmail.com
 Sundargarh -770001
 Tel / Fax No. 06622-273846

Letter No. 16 /(DMF)

Dated 02 / 07 /2019

TENDER CALL NOTICE

Bid Identification -SNG-DMF-10/2018-19

01. The **Collector & Chairperson, District Mineral Foundation, Sundargarh** on behalf of Governor of Odisha invites **Percentage Rate bids** in sealed cover for the following works from the class of eligible contractors as mentioned in Column-7 (Seven) registered with the State Governments having validity of Civil License and contractors of equivalent Grades/Class Registered with Central Government/ MES /Railways and other State Government having validity of Civil License for execution of **Building works** (excluding EI & PH). The proof of registration from the appropriate authority shall be enclosed along with the Bid. The eligible contractors of the state P.W.D.(R&B)/Water Resources/Rural Works/M.I./C.P.W.D. for the following works eventually to be drawn up in the **P1 forms** in conformity with the Detailed Tender Call Notice. The bidders may submit bids for the following works.

Sl. No	Name of the Work	Amount put to Tender in Rs.	Cost of Tender paper (Non-refundable) in Rs.	Bid security EMD 1 % in Rs.	No. of Covers	Period of Completion	Class of Contract or
1	2	3	4	5	6	7	8
1	Construction of AWC Building at i) Upperpada Girisima Jharpalam GP . ii) Khajuridihi Julumbhal GP . iii) Rengal Pani Jharpalam GP iv) Tumapali Julumbhal GP v) Hemgir Nuapada , Hemgir GP.	Rs.58,13,964/-	10000/-	Rs.58,140/-	1	06 (Six Calendar months)	'B' & 'A' Class
2	Construction of AWC Building at i) Ratakhandi Kanaktura GP. ii) Dhumamunda Kanaktura GP. iii) Ainlajharan Kanaktura GP. iv) Khajuridihi Kanaktura GP	Rs.45,57,677/-	6000/-	Rs.45,577/-	1	06 (Six Calendar months)	'B' & 'A' Class

- 02.** Bid documents consisting of plans, specifications, the schedule of quantities and the set of terms and conditions of contract and other necessary documents can be seen in the office of the Chief Executive Officer, DMF, Sundargarh during office hours every day except Sunday and public holidays till last date i.e. upto **15.01.2019**. Interested bidders may obtain further information at the same address.
- 03.** The Bid documents consisting of the schedule of quantities of all the above **works** and the set of DTCN with terms & Conditions of contract and other necessary Documents can be downloaded from the website **www.sundergarh.nic.in** from **11.00 A.M. of Dt.04-01-2019 to Dt.15-01-2019** up to **5.00 P.M.**
- 04.** Bids shall be received through **Registered Post/ Speed Post** only, and in no any other means, which must reach to DRDA, Sundargarh by **5.00 PM of 15.01.2019** in the address of "**Chief Executive Officer, DMF, 1st Floor DRDA Building, Sundargarh, At/Po-Sundargarh, District-Sundargarh, PIN-770001**". Further, the bids must be received on or before stipulated date & time as mentioned. The bids received beyond the date line (after **15.01.2019 5.00 PM**) will not be taken into consideration for opening and will be rejected accordingly. The authority will not be held responsible for the Postal delay if any or non-receipt of the tender documents. The bidders are not required to write their name on the outer cover of the bid, but they are required to write the name of the work with Sl. No. in the Notice. The authority will not be responsible for postal loss/delay/or for any other reason.
- 05.** The sealed bid documents are to be submitted in sealed cover and shall contain signed DTCN, self-attested copy of valid Registration Certificate, PAN Card ,valid GST Registration certificate, no relation certificate & Original affidavit regarding authentication of documents for a particular work as mentioned in the Tender Notice and others documents required as per the relevant clauses of the DTCN and special condition if any, failing which the bid documents will be cancelled.

06. The **cost of bid documents** (mentioned in column 5 of above table) must be paid separately by each bidder in shape of Demand Draft in favour of **CEO, DMF, Sundargarh** from **any nationalized scheduled bank** payable at **Sundargarh**. Similarly the cost of **bid security(EMD)** i.e. **1% of work value (Amount put to tender)** as mentioned in Column.5 of table above, must be paid in shape of term deposit receipt of **any Nationalized Schedule Bank /Kissan Vikash Patra/ Post Office Savings Bank Account/ National Savings Certificate/ Postal Office Time Deposit Account** duly pledged in favour of the **CEO, DMF, Sundargarh** payable at **Sundargarh**. Draft relating to other than **Nationalized Schedule Bank** shall not be considered. **Original Bid Security & Demand Draft** towards cost of bid document(s) as per DTCN should be submitted alongwith the Bid documents, failing which, the bid will be rejected.
07. 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 the 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 of differential cost i.e. estimated cost put to tender minus the quoted amount as Additional Performance Security (APS) in shape of Term Deposit Receipt pledged in favour of Divisional Officer / Bank Guarantee in favour of the CEO, DMF, Sundargarh from any Nationalized /Scheduled Bank in India counter guaranteed by its local branch at Bhubaneswar within seven days of issue of Letter of Acceptance (LoA) by the CEO, DMF, Sundargarh (by e-mail) to the successful bidder otherwise the bid of the successful bidder shall be cancelled and the Earnest Money Deposit / Bid Security shall be forfeited. Further proceeding for blacklisting shall be initiated against the bidder as per Works Department Office Memorandum No.14459 dtd.20.09.2018.
08. No Extension of Time beyond Agreement Period will be allowed in these projects, means, the projects must be completed within the Agreement Period.
09. For delay in completion of the projects, Penalty will be decided by the Collector and Chairperson, DMF and Chief Executive Officer of District Mineral Foundation as per OPWD Code.
10. If any Contractor/Agency/Vendor/Supplier will fail to execute two or more nos. of works under DMF within the stipulated time period as per Agreement, then he will be restricted and black-listed from execution of further works under DMF in Sundargarh district, following due procedures as per OPWD Code.
11. The tender of the above projects are invited centrally at District Mineral Foundation, Sundargarh level to avoid the delay in execution process. Accordingly, after opening and finalization of tenders at DMF, all the Bid Documents/ Relevant Papers related with the Tenders will be handed over to the concerned Block Development Officers(Executing Agencies). The Lowest-1 eligible Contractors will execute their Agreement with the concerned Block Development Officers. Hence, the opening of Case Records, Issue of Work Orders, Executions and Supervision of all the above works including processing of bills for payment will be done by the concerned Block Development Officers.
12. The BDOs (Executing Agencies) will execute the works within the Agreement quantity & amount only. No extra amount against the less amount if any against the Tender will be allowed for execution in the said or in other works. All the payment will be released to the Contractors Account from DMF via concerned block development officers.
13. The Engineer Contractor desirous of having EMD exemption benefit must have to produce an affidavit to the effect that, they have not availed such exemption for more than three time during this financial year. Also the engineer contractor will produce his /her Original License at the time of opening of tender so that the tender opening authority will enter the exemption of EMD in his/ her License failing which tender shall liable for rejection.
14. Other details can be seen in the bidding documents. All the pages of bid should be duly filled & signed by the tenderer properly.
15. The SC/ST contractors willing to avail the facilities as fixed by the Government have to submit affidavit for the same along with tender document.
16. The authority reserves the right to reject any or all the bids without assigning any reason thereof.
17. In order to ensure that the envelopes are properly sealed, the contractor can seal them with superglue and also add tamperproof tapes as additional precaution.
18. The bids received through **Registered Post/ Speed Post** by the date line (**upto 5.00 PM of 15.01.2019**) will be opened on **Dt. 16-01-2019 at 11.00 AM** in the office of the CEO, DMF, Sundargarh, in the presence of the bidders, if attend. If the office happens to be closed on the date of receipt /opening of the bids as specified, the bids will be received /opened on the next working day at the same time & venue.


Collector & Chairperson,
DMF, Sundargarh

Memo No.....17...../DMF

Dt. ...02/07/2019...

Copy to DIO, NIC, Sundargarh with a request to upload this Bid Identification Notice in the Sundargarh District Web-Site www.sundargarh.nic.in by **04.01.2019** for wide publication and timely response by the intending Contractors.



**Collector & Chairperson,
DMF, Sundargarh**

Memo No.....18...../DMF

Dt. ...02/07/2019...

Copy submitted to the Additional Secretary to Govt., Planning and Convergence Deptt., Odisha, Bhubaneswar for favour of kind information.



**Collector & Chairperson,
DMF, Sundargarh**

Memo No.....19...../DMF

Dt. ...02/07/2019...

Copy to the A.D.M., Sundargarh/ Rourkela/ Sub-Collector, Sadar/Panposh/Bonai/ All Block Development Officers of the District/Executive Engineer, R&B Division, Sundargarh/Rourkela/ Executive Engineer, RW Division, Sundargarh/Rourkela/ Executive Engineer Minor Irrigation Division, Sundargarh/ Executive Engineer, Irrigation Division, Sundargarh/ Executive Engineer, Rukura Irrigation Division, Panposh/ Executive Engineer, RWSS Division, Sundargarh/Rourkela/ Executive Engineer, OLIC, Sundargarh/ Rourkela/ Executive Engineer, PHED, Rourkela/Executive Officers of Urban Local Bodies of the district/ DI & PRO, Sundargarh/ Rourkela for information and with a request to display this Tender Notice in their respective office Notice Board for wide publication.

Copy to Addl. P.D.(Tech.), DRDA, Sundargarh/ Asst. Director, OREDA, DRDA, Sundargarh/ Asst. P.D.(Finance), DRDA, Sundargarh/ Asst. P.D.(RH), DRDA, Sundargarh/ Junior Engineer(Estimator), DRDA, Sundargarh/Cashier, DRDA, Sundargarh / Notice Board of DRDA, Sundargarh for information & necessary action.



**Collector & Chairperson,
DMF, Sundargarh**

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DISTRICT MINERAL FOUNDATION, SUNDARGARH.

(1st floor, DMF Office)

District Rural Development Agency

Email- dmfsundergarh@gmail.com

Sundargarh -770001

Tel / Fax No. 06622-273846

A. General Information

Sl. No.	Item	Details
1	Bid Identification No .	Bid Identification-SNG-DMF-10/2018-19
2	Name of the Work	Construction of AWC Building at i) Ratakhandi Kanaktura GP. ii)Dhumamunda Kanaktura GP. iii) Ainlajharan Kanaktura GP. iv) Khajuridihi Kanaktura GP
3	Officer Inviting tender	District Mineral Foundation, Sundargarh
4	Executing Agency	Block Development Officer, Hemgir
6	Accepting Authority	Collector and Chairperson, DMF, Sundargarh
7	Estimated cost	Rs. 45,57,677/-

B. Bid Information

8	Intended completion period / Time period assigned for completion as mentioned in IFB .	06 (Six) Calendar months
9	Last date & time of submission of Bid	Time – 5.00 P.M. Date -15-01- 2019
10	Date & Time of opening of tender	Time – 11.00 A.M. Date -16-01-2019
11	Cost of Bid Document	
	i)Bank draft amount	Rs. 6,000/-
	ii)In favour of	CEO, DMF, Sundargarh.
	iii)Payable at	Sundargarh.
12	Bid Security	1 %
	i)Amount	Rs.45,577/-
	ii)Pledged in favour of	CEO, DMF, Sundargarh.
	iii)Payable at	Sundargarh.
	iv)Type of Instrument	As specified in the Bid document.
13	Bid Validity Period	90 days
14	Currency of Contract	Indian Rupees
15	Language of Contract	English


Collector & Chairperson,
DMF, Sundargarh

DETAILED TENDER CALL NOTICE

INVITATION FOR BIDS(IFB)

Bid Identification-SNG-DMF-10/2018-19

01. The Collector, Sundargarh on behalf of Governor of Odisha invites percentage rates bids for the construction of works as mentioned in Invitation for Bids (IFB) from contractors as indicated against each work in **Column -08** registered with the state Govt. and contractor of equivalent grade/ class registered with central Govt./ MES / Railways for which agreement is to be drawn in **P₁ Form**. The bidders registered under other State Govt./MES/ Central Govt./Railways in equivalent rank may participate in the tender but successful bidder has to register under the State PWD before signing of the agreement. The adopted format for percentage rate is same as that of the form adopted for item rate tenders but the word "Item rate " shall be replaced by "Percentage Rate " and the contract will be named as **P₁**.
02. The bid documents are available in Sundargarh District Official NIC Website (www.sundergarh.nic.in) from **11.00 A.M. of Dt-04/01/2019 to 5.00 P.M. of Dt-15/01/2019**. The last date and time of submission of Bid as per contract data.
03. The bid documents will be opened by the assigned Officer in the Office of the CEO, DMF, Sundargarh at **11.00 A.M. on Dt.16/01/2019** in the presence of the bidders/ authorized representatives, if attend.
04. The cost of bid documents in shape of Demand draft issued from any Nationalized scheduled Bank may be prepared in the name of CEO, DMF, Sundargarh payable at the place as mentioned in the contract data separately towards cost of tender paper. The Bank draft shall be deposited in shape of Bank Draft prepare on or before the last date of receipt along with the Bid.
05. The bid must contain EMD, & cost of tender Paper in original & photo copy of GST Registration Certificate, copy of Registration Certificate, PAN Card, Undertaking Certificates duly filled in, Affidavit for the particular work, Work Experience Certificate and documents required as per relevant Clauses of the DTCN.
06. The bid must be accompanied with original copies of financial instruments towards bid security of the amount as specified in the Contract Data along with the Bid in the form of Fixed 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 **CEO, DMF, Sundargarh** and payable at the place as specified in the Contract Data as per the terms and conditions laid down in OGFR and in no other form. Bidders desirous to hire machineries or equipments from out side the State or owned but deployed outside the State are required to furnish the bid security as specified in the Contract Data in form of above shape and as per the above terms and conditions- Bid not accompanied with EMD as specified above shall be liable for rejection.
07. The bidders are required to produce documents Viz. Original Registration Certificate, GST Registration Certificate, PAN Card & Original Affidavit, before opening of financial Bid for verification purpose.
08. The work is to be completed in all respects within the time period as specified in the Contract Data. Bidders whose bid is accepted must submit a work programme at the time of execution of Agreement.
09. All bids received will remain valid for a period (90 days) as specified in the Contract Data after the deadline date for submission of bids and validity of bids can also be extended if agreed to by the bidder and the Department.
- 10.i.) **The Engineer Contractor desires of having EMD exemption benefit must have to produce an affidavit to the effect that, they have not awarded the work for more than three works during this financial year.**
 ii) **The SC/ST contractors willing to avail the facilities as fixed by the Government have to submit affidavit for the same along with tender document.**
11. An applicant or any of its constituent partners of whose contract for any work has been rescinded or who has abandoned any work in the last five years, prior to the date of the bid, shall be debarred from qualification. The tenderer is to furnish an affidavit at the time of submission of tender paper about the authentication of tender documents including Bank guarantee. An affidavit to this effect is to be furnished in **Schedule-D. Non furnishing of the information in Schedule -C and required affidavit in Schedule -D, the bid document will be summarily rejected.**
- 12.(i) In case the contractor proposes to engage machineries and equipment's 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 30 days from the date of execution of Agreement.
 (ii) The contractor intending to hire/lease equipment's/machineries are required to furnish proof of ownership from the company/person providing equipment's/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 12 (Twelve) months from the last date of receipt of Bid documents. (The

contracts/agreements/lease deed should be prepared on or after the date of notification and before the last date of receipt the Bid for the tendered work.)

13.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 blocks against which work he is applying for. If the fact subsequently proved to be false, the contract is liable to be rescinded. The earnest money & the total security will be forfeited & he shall be liable to make good the loss or damages resulting for such cancellations. The proforma for no relationship certificate is enclosed in a separate sheet **vide Schedule-A.**

- 14.If an individual makes the application, the individual should sign above his full type written name and current address.
15. If the application is made by proprietary firm, it shall be signed by the proprietor & furnish full type written name and the full name of his firm with its current address in a forwarding letter .
16. If the application is made by a limited company or a corporation, it shall be signed by duly authorised person holding power of attorney for signing the application in which case a certified copy of the power of attorney shall accompany the application. Such limited company or corporation will be required to furnish satisfactory evidence of its existence along with the technical bid.
17. The tender should be strictly in accordance with the provisions as mentioned in the tender schedule. Any change in the wordings will not be accepted.
18. No tenderer will be permitted to furnish their tender in their own manuscript papers. All information's should be submitted online in English.
19. **Percentage rate contract (vide works Department letter No – 8310 dt – 17-05-2006).**

In case of percentage rate tender

- (i) The contractors has to mention percentage excess or less over the estimated cost (In figures as well as words) in the prescribe format appended to the tender document ..
- (ii) Only percentage quoted shall be considered. Percentage quoted by the Contractor should be accurately filed in figures and words, so that there is no discrepancy.
 - a) If any discrepancy is found in the percentage quoted words & 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 the 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 upto 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 initiating, 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 subtract from the gross amount of the bill.

- 20.The tenderer 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 Odisha and other relevant specifications and drawings which are for sale. Complaint at a future date that plans and specifications have not been seen by the tenderers can not be entertained. The drawing 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 concerned executing agency as and when required.

21. Every tenderer is expected before quoting his rates to inspect the site of the proposed work. He should also inspect the quarries and approach roads to quarries and satisfy himself about the quality and availability of materials. In every case the materials must comply with the relevant specifications. Complaints at future date that the availability of materials at quarries have been misjudged can not be entertained.
22. The offer of tender shall be inclusive of cost of construction and maintenance of island, ferry service, fair-weather road, service road, foot bridge, pylon base, winch stand and derrick stand etc. as required for the work.
23. 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.

Additional Performance Security shall be obtained from the successful bidder when the bid amount is less than the estimated cost put to tender. In such an event, 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 Demand Draft / Term Deposit Receipt pledged in favour of the CEO, DMF, Sundargarh payable at Sundargarh, within seven days from the date of receipt of LoA (Letter of Acceptance) failing which the bid of the successful bidder shall be cancelled and the Earnest Money Deposit / Bid Security shall be forfeited. Further proceeding for blacklisting shall be initiated against the bidder as per Works Department Office Memorandum No.14459 dtd.20.09.2018. (Amendment to Para 3.5.5(v) Note-ii of OPWD Code Vol-I by modification) (Revised/substituted as per Works Deptt. Office Memorandum No.5288 dt.04.05.2016). 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.

24. The tender containing extraneous conditions not covered by the tender notice are liable for rejection and quotations should be strictly in accordance with the tender call notice. Any change in the wording will not be accepted.
 25. In case of any discrepancy in printing or omission of statutory specifications or any other part of portion of the approved documents during download of the bid document during download of the bid document the decision of the officer inviting the bid will be binding on the bidder.
 26. Schedule of quantities accompanied in 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.
 27. The authority reserves the right to reject any or all the tenders received without assigning any reasons there-of what-so-ever.
 28. The earnest money will be retained and dealt with as per the terms and conditions of the O. P. W. D. code.
 29. The bidder / tenderer whose bid has been accepted will be notified of the award by the CEO, DMF, Sundargarh 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 additional performance security, if any and 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/Postal Office Time Deposit Account duly pledged in favour of the **CEO, DMF, Sundargarh** 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 out side the State if any) and sign the agreement in the P.W.D. form No. P1 (Schedule XLV No. 61) for the fulfillment of the contract in the office of the **Executing Agency i.e. Block Development Officer, Hemgir** as directed. The security deposit together with the earnest money and the amount withheld according to the provision of P1 agreement shall be retained as security for the due fulfillment of this contract and additional performance security in accordance with the provisions of the agreement.
- 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 **P1** with latest amendments.
Failure to enter in to the required agreement and to make the security deposit and additional performance security, if any 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 and APS, is deposited. The security will be refunded after One year of completion of the work and payment of the final bill and will not carry any interest. 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.
30. That for the purpose of jurisdiction in the event of disputes if any of the contract would be deemed to have been entered in to within the State of Odisha and it is agreed that neither party to the contract will be competent to bring a suit in regard to the matter by this contract at any place outside the State of Odisha. The contractor should be liable to fully indemnify the department for payment of compensation under workman Compensation Act. VIII of 1923 on any account of the workmen employed by the contractor and full amount of compensation paid will be recovered from the contractor. Tenderers are required to abide by the fair wages clause as introduced by Govt. of Odisha, Works Department Letter No.-VIII-R 8/5225 Dtd. 26.02.55 and No.IIM- 56/628842(5) Dtd.27.09.61 as amended from time to time.
31. 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 **CEO, DMF, Sundargarh** 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 **Collector, Sundargarh** is final and binding on the contractor.
32. The contractor shall bear cost of various incidentals, sundries and contingencies necessitated by work in full within the following or similar category.
- Rent, royalties and other charges of materials, octroi duty, all other taxes including sales tax, ferry, tolls conveyance charge and other cost on account of land and building including temporary building and temporary electric connection to work site as well as construction of service road and diversion road and its maintenance till completion of work as required by the tenderer for Collection of materials, storage, housing of staff or other purpose of the work. No tenderer will however be liable to pay Govt. for temporary occupation of land owned by Govt. at the site of the work.
 - Labour camps or huts necessary to a suitable scale including conservancy and sanitary arrangements therein to the satisfaction of the local health authorities.
 - Suitable water supply including pipe water supply wherever available for the staff and labour as well as for the work.
 - Fees and duties levied by the municipal, canal or water supply authorities.
 - Suitable equipments and wearing apparatus for the labour engaged in risky operations.
 - Suitable fencing barriers, signals including paraffin and electric signal where necessary at works and approaches in order to protect the public and employees from accidents.
 - Compensation including the cost of any suit for injury to persons or property due to neglect of any major precaution also become payable due to operation of the workmen compensation act.
 - The contractor has to arrange adequate lighting arrangement for the work where ever necessary at his own cost. After the work is finalised, all surplus materials should be removed from the site of work. Preliminary work such as vats, mixing platforms etc. should be dismantled and all materials removed from the site and premises left neat and clean, this should be inclusive of the rates.
33. No payment will be made for bench marks, level pillars profiles and benching and leveling the ground where required. The rates to be quoted should be for the finished items of work inclusive of carriage of all materials and incidental item of works.
34. 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 Engineer-in-charge and rate settled before the extra items of work or extra quantity of any items of work is taken up.
35. 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.
36. Bid documents consisting of plans, specifications, the schedule of quantities and the set of terms and conditions of contract and other necessary documents can be seen in the office of the CEO, DMF, Sundargarh during office hours everyday 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 the tenders must be received in order and according to the instructions.
37. Tenderers are required to go through each clause of P.W.D. Form **P1** carefully in addition to the clause mentioned herein before tendering.
38. All reinforced cement concrete work should conform to Odisha Detailed Standard specifications, IRC Code and Bridge code section I, II, III, IV and VII & latest design criteria for prestressed concrete bridges specifically for road and bridges issued by MORT & H, Govt. of India.

39. Steel shuttering & centering shall be used which shall be lined with suitable sheeting and made leak proof and water tight.
40. The Department will have the right to inspect the scaffolding, centering and shuttering made for the work and can reject partly or fully such structures if found defective in their opinion.
41. Concrete should be machine mixed unless otherwise ordered in writing by the Engineer-in-Charge. The contractor should arrange his own concrete mixer, vibrator, pumps etc, for this purpose at his own cost.
42. Cement shall be used by bags and weight of one bag of cement being taken as fifty (50) Kg.
43. 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.
44. The contractor 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.
45. 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.
46. 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 watchman etc. will be borne by the Department. The Department is not responsible for considering the theft of materials at site. It is the contractor's risk. Under any such plea if the tenderer stops the work, he shall have to pay the full penalty as per clause of P1 agreement.
47. 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.
48. 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 meter in length will be returned by the contractor at the issuing stores without conveyance charges.
49. 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 sorts 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.
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
50. 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).
51. The tentative alignment of the proposed bridge has been shown in the enclosed drawing. However, the department has got the rights to shift the actual bridge position within a reasonable range in both U/s and D /S.
52. The contractor should at his own cost arrange necessary tools and plants required for the efficient execution of work and the rates quoted should be inclusive of the running charges of each plant and cost of conveyance.
53. After completion of the work the contractor shall arrange at his own cost all requisite equipment's for testing one unplugged well and specified span free of cost as directed by the Engineer-in-Charge and bear the entire cost of the test.
54. Measurement of earth work in road embankment will be done by section measurement after the earth is consolidated including rolling with hand or power road roller and sheep foot roller at optimum moisture condition and no extra payment will be made for the jungle clearance for taking earth from the borrow areas. Earth work from cutting will be economically utilized in filling.
55. The stack of road metal and gravel will be measured in boxes of $1.5\text{m} \times 1.5\text{M} \times 0.5\text{M}$ which will be taken as $1.5\text{m} \times 1.5\text{M} \times 0.44\text{M} = 1\text{ Cum}$. The soling stones will be measured in the suitable stacks with deduction for voids @ $1/6$ of volume or more depending upon the looseness of stacking which would be determined on actual observation and deduction.

56. The machineries, if available, with the department may be supplied on hire as per charges noted in the enclosed statement subject to the condition that the contractor will execute in advance an agreement with the Engineer-in-Charge.
57. In the event of any delay in the supply of Department road roller for unavoidable reasons, no extension of time will be granted to the contractor under any circumstances.
58. The tenderer should furnish along with their tender a list of works which are at present in their hand in the prescribed Performa enclosed herewith.
59. Sinking of wells shall be measured from bottom of well cap up to bottom of cutting edge or 15 cm. above low water level whichever is less.
60. All method of sinking including pneumatic sinking by employment of drivers and other equipment shall be included in the rate.
61. Removal of trees, logs of trees or isolated boulders and desilting of sand or earth from existing well, rectification of tilt and shift if any, etc. shall also be included within the rate of sinking.
62. The depth of foundation indicated on the drawing are provisional but these may be altered if necessary in the light of the nature of strata indicated by boring which must be taken in advance of actual execution of the foundation.
63. When resort has to be made for sinking the wells by air lock and vacuum chamber method rates there of shall be pre-decided by authority accepting the tender.
64. Construction of coffer dam or island or the work of open excavation or dressing or labour for laying well curbs shall be included in the rate of well sinking.
65. For concreting the bottom plugs of well under the method of providing concrete should be either with tremie or any other approved method as well be directed by the Engineer-in charge with 10% extra cement to be used for under water concreting without any extra cost to the department.
66. No claim will be entertained in respect of difficulties during sand blowing met with during sinking of wells.
67. No part of the bearing for the superstructure shall be allowed to rest on the noses of the piers.
68. Tor Steel mesh reinforcement shall be provided in the concrete of the girders on the caps of the piers / abutments immediately in contact with the bearing to ensure proper distributions of heavy load
70. Lugs and grooves shall be provided in the bearings to prevent them from skewing and getting out of alignment.
71. Inspection by the Director General of Supplies and Disposals of the bearing during manufacture and X-Ray or Gama Ray examination of castings thickness more than 8 inches and load testing of bearing if considered necessary shall have to be carried out at the contractor's cost. The same procedure for testing may have to be followed for ribbed bearing manufactured by widening.
72. i) 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.
 ii) 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.
73. 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.
74. Plain concrete and reinforced concrete specimens will be tested in Government Test Houses at Alipore or control and Research Laboratory at Bhubaneswar. Cost of testing of all specimens and samples will be borne by the Contractor.
 i) The construction of well staining by injecting cement or grout in coarse aggregate placed in position shall not be permitted.
75. The thickness of cement concrete in top plugging should be as per Departmental drawing.
76. In well sinking, the maximum tolerance permissible in tilt is 1:80 and the shift is 150mm to the normal direction. Where it is not feasible to work these tolerance the contractor shall carry out, suitable remedial measures as may be directed by the Engineer-in-charge to overcome the adverse effects of tilts and shifts without any extra cost to the Department and without any damages to the well. Any additional work necessary consequent upon the excess tilt and shift shall be carried out by the contractor at no extra cost to the Department.
77. Concrete of strength below of the required strength (as determined by actual tests) shall not be accepted.
78. If the well is beyond rectification the well shall be rejected, the well has to be abandoned and another well to be sunk at a suitable location at the cost of the Contractor. The tilt and shift of the well including compensation is to be abided as per the clauses of MORT&H for Roads and Bridges.
79. No claim for carriage of water what-so-ever will be entertained.
80. The contractor shall employ one or more Engineering Graduate or Diploma holders as apprentice at his cost if the work as shown in the tender exceeds Rs.2,50,000/-. The apprentices will be selected by the Chief Engineer. The period of employment will commence within one month after the date of work order and

- would last till the date, when 90% of the work is completed. The fair wage to be paid to the apprentices should not be less than the emolument of personnel of equivalent qualification employed under Government. The number of apprentices to be employed should be fixed by the Chief Engineer in the manner so that the total expenditure does not exceed one percent of the tendered cost of the work.
- 81 Super class contractor shall employ under himself two Graduate Engineer and two Diploma holders belonging to the State of Odisha. Special class contractor shall employ under him one graduate Engineer and two Diploma Holder belonging to the state of Odisha. Like wise 'A' class contractor shall employ under him one Graduate Engineer or two Diploma Holders belonging to state of Odisha. The contractor shall pay to the Engineering personnel monthly emoluments which shall not be less than the emoluments of the personnel of equivalent qualification employed under the State Govt. of Odisha. The Engineer-in Chief (Civil), Odisha may however assist the contractor with names of such unemployed Graduate engineers and Diploma Holders if such help is sought for by the contractor. The names of such Engineering personnel appointed by the Contractors should be intimated to the tender receiving authority along with the tender as to who would be supervising the work. Each bill of the Super Class, Special Class or 'A' Class Contractor shall be accompanied by an employment Roll of the Engineering personnel together with a Certificate of the Graduate Engineer or Diploma Holder so employed by the contractor to the effect that the work executed as per the bill has been supervised by him. (Vide Works Department No. Codes M-22/91-15384 dated 9.7.91). The required certificate is to be furnished in the proforma in a separate sheet.
 82. 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.
 83. Odisha 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 Odisha 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.
 84. Amendment of existing Clauses :- By admission of a tender for the work, a tenderer will be deemed to have satisfied himself by actual inspection of the site and locality of the work, about the quality and availability of the required quantity of material including the wheat/ rice referred to above, medical aid, labour and food stuff etc., and that rates quoted by him in the tender will be adequate to complete the work according to the specifications attached there to and that he had taken in to account all conditions and difficulties that may be encountered during its progress and to have quoted rates including labour and materials with taxes , octroi , other duties, lead, lifts, loading and unloading, freight for all materials and all other charges necessary for the completion of the work, to the entire satisfaction of the Engineer-in -Charge of the work and his 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.
 - 85 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.
 - 86 GST shall be paid extra on the gross bill amount.
 - 87 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 Engineer in charge 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. CESS @1(one)% of the amount of estimated cost (excluding land cost) as per Tender Notification read with latest corrigendum if any will be proportionately deducted from the contractor's bill at the time of making payment (Building & other Construction Workers (RE&CS) Act, 1996 and the Building & other Construction Workers Welfare Cess Act, 1996
 - 88 Under no circumstances interest is chargeable for the dues or additional dues if any payable for the work.
 - 89 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.
 - 90 **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 Engineer-in-Charge
 - 91 **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.
 - (I) Any defects, shrinkage or other faults which may be noticed within 6 (Six) 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 for 6 (Six) months from the date of successful completion of the work.

(ii) From the commencement of the works to the completion of the same, they are to be under the contractors charge. The contractor is to be held responsible to make good all injuries, damages and repairs occasioned or rendered necessary to the same by fire or other causes and they hold the Govt. of Odisha harmless for any claims for injuries to person or structural damage to property happening from any neglect, default, want of proper care or misconduct on the part of the contractor or any one in his employment during the execution of the work. Also no claim shall be entertained for loss due to earthquake, flood, cyclone, epidemic, riot or any other calamity whether natural or incidental damages so caused will have to be made good by the contractor at his own cost.

92 **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.

93 Tilts and shifts

- i) Maximum permissible shift is 150mm.
- ii) Maximum permissible tilt is 1 : 80.

94. **Escalation:** - Payment for variation in price-(Vide Works Department Memorandum No-12606/W dt.24.12.2012.

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

a) **(i) REIMBURSEMENT/RECOVERUY 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 increases or decreases as a result of increase or decrease in the Average wholesale price Index (all commodities), and the contractor there upon necessarily and properly pays in respect of that materials incorporated in the work such increased or decreased price, 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 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 above materials on the value of works executed during the extended period.

This clause will be applicable 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 that extended period stands more that 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 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 :

$$Vm = 0.85 \times Pm / 100 \times R \times (M1 - Mo) / Mo$$

Vm=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.

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 date of receipt of bids (as published by the Economic 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 Economic Adviser, Govt. of India, Ministry of Industry and commerce, New Delhi. In respect of the justified period extended for completion of the work, the index prevailing at the time of stipulated date of completion or the prevailing index of the period under consideration, whichever is less, shall be considered.

Pm = Percentage of material component (other than cement, steel, bitumen, pipes and POL) of the work, as indicated in clause-94 (d) below.

a) (ii) REIMBURSEMENT/RECOVERY OF DIFFERENTIAL COST DUE TO VARIATION IN PRICES OF PRINCIPAL MATERIALS (STEEL, CEMENT, BITUMEN 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/decreases 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 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 Engineer-in-Charge 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) Differential 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 Engineer-in-Charge 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 differential 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 = Differential cost of Steel i.e. amount of increase or 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 or decrease in rupees to be 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.

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

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

P_p = Percentage of pipe component of the work as indicated in the clause 94 (d).

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

94 (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 decreases 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 tenders including extensions, 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.

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 thereto 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, the 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 considered on the cost of minimum daily wages of any unskilled labourer, fixed by the Government of Odisha under Minimum wages act.

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

$$V1 = 0.85 \times P1 / 100 \times R \times (Li - Lo) / Lo.$$

V1 = 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 or 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 wage 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.

P1 = Percentage of labour component of the work, as indicated in the clause 94 (d).

94(c) REIMBURSEMENT/REFUND DUE TO VARIATION IN PRICES 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 thereof by the Government of India and the Contractor thereupon necessarily and properly pays such increased or decreased price towards Diesel, Petro, 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 period.

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

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

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-94 (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.

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

Sl. No.	Category of Works		% Component (Cost wise)		
			Labour (P1)	POL (P1)	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	PH work	Structural Work	25	5	70
		Pipeline Work	5	-	Pipe -70 % * Other materials -25%
		Sewer line	10	-	Pipe -70 % * Other materials -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.

94(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 the price of such material, wages of labour and/or price of P.O.L. give notice thereof to the Engineer-in-Charge stating that the same is given pursuant to this condition 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 interval. 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.
95. For diversion road the contractor will have to make his own arrangement to make the same in private land necessary for which agreement of such land by the side of C.D. works and the rental charges for such private land shall be borne by the contractor including the proper maintenance with lighting arrangements during the night time and signaling during day time and barricading etc. till the C.D. works are opened to the traffic. No extra rate will be paid to the contractor for the above rental charges etc. His rates in the tender for other items shall include this arrangement, rental charges for the land and maintenance, lighting and removal of such temporary road crust from the private land to bring the land to its original condition etc. complete.
96. The contractor has to arrange the land required for borrowing earth if necessary for the road work at his cost. No extra payment by the Department will be made on this account and no claim what-so-ever will be entertained on this ground. The rates quoted by the contractor should be inclusive of all such charges.
97. 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 Engineer-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 and to be submitted to the Engineer-in-charge every month.

98. The tenderer should conduct three bores at each pier and S.B.C. of soil at foundation level and abutments location and furnish the test results in conformity with I.R.C. code at his own cost before execution of the work and rates quoted by the contractor should be inclusive of such bores and S.B.C. tests etc. without any extra cost to the Department.
99. The details of foundation, sub-structure and floor protection for execution shall be done in accordance with the test results thus obtained.
 - a. The contractor shall have no claim what so ever for the extra quantity of work to be executed in view of above possible changes and payments is to be made as per clause 11 of the **P1** Contract.
 - b. Over and above these conditions, the terms and conditions and rules and regulations and specifications as laid down in Odisha Detailed Standard Specification, Odisha P.W.D. Code, Bridge code and MORT&H specifications with latest revision / amendment are also binding on the part of the contractor.
 - c. No part of the contract shall be sublet without written permission of the concerned Engineer-in- Charge or transfer be made by power of Attorney authorising others to receive payment on the contractor's behalf.
 - d. 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.
 - e. Any damages caused by natural calamities should be done by the contractor at his own cost. The Department will not be any way responsible for the same and will not pay any cost towards the repair done by the contractor.
 - f. 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 bridge site etc. are the responsibility of the contractor.
 - g. 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.
 - h. The materials, borrow areas and hutments at site should be arranged by the contractor at his own cost. No future complaint on this account shall be entertained.
 - i. 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 authorised 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 are 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.
 - j. 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.
 - k. Besides, the firm / contractor shall install full fledged field laboratory at work site for conducting required tests as per IRC / MORT & H / ISI requirements at his own cost for providing sufficient opportunity for checking from time to time.
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. After completion of the road in all respects the road furnitures should be affixed by the executing agency indicating locations like school, hospital, No-horn etc.
100. The agency will be responsible for traffic management and maintenance of the stretch of the road (for which the tender has been invited) at his own cost during the period of execution.
101. 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.

- 102 The information furnished must be sufficient to show that the applicant is capable in all respects to successfully complete the envisaged work.
- 103 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 disincentivising the tenderer.

104 ADDENDUM TO THE CONDITION OF P1 CONTRACT

Clause-2(a) of P1 Contract:-TIME CONTROL:-

2.1. Progress of work and Re-scheduling programme.

- 2.1.1. The **Collector / CEO, DMF, Sundargarh** 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. Within 15 days of issue of the letter of acceptance, the contractor shall submit to the Engineer-in-Charge for approval a Programme commensurate to **Clause no. 2.1.3** 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, 1/2 of the whole of the work before 1/2 of the whole time allowed under the contract has elapsed, 3/4th of the whole of the work before 3/4th of the whole time allowed under the contract has elapsed.
- 2.1.4 If at any time it should appear to the 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 over due 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 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 endeavors to prevent or make good the delay and shall do all that may be reasonably required to the satisfaction of the Engineer-in-Charge to proceed with the works.
- 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 or to complete the work and clear the site on or before the contract or extended date of completion, he shall, without prejudice to any other right or remedy available under the law to the Government on account of such breach, pay as agreed compensation the amount calculated at the rates stipulated below as the Superintending Engineer (whose decision in writing shall be final and binding) may decide on the amount of tendered value of the work for every completed day / month (as applicable) that the progress remains below that specified in Clause 2 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. Management Meetings.

- 2.4.1. Either the Engineer or the Contractor may require the other to attend a management meeting. The business of a management meetings shall be to review the plans for remaining work and to deal with matters raised in accordance with the early warning procedure.
- 2.4.2. The Engineer shall record the business of management meetings and is to provide copies of his record to those attending the meeting and to the Employer. The responsibility of the parties for actions to be taken to be decided by the Engineer either at the management meeting or after the management meeting and stated in writing to all who attended the meeting.

Clause-2 (b) of Percentage Rate P1 Agreement:- Rescission of Contract (Amendment as per letter No.10639 dt 27.05.2005 of Works Department, Odisha):-To rescind the contract (of which rescission notice in writing to the contractor under the hand of the Engineer-in-Charge shall be conclusive evidence), 20% of the value of left over work will be realised from the contractor as penalty.

- 105 A contractor may be Blacklisted as per Amendment made to Appendix XXXIV to OPWD Code Vol-II on rules for black listing of Contractors vide Letter No – 03365 dt- 01-03-07 of Works Department , Odisha .

- a) Misbehavior / Threatening of Departmental & supervisory officers during execution of work / tendering process .
- b) Involvement in any sort of tender fixing .
- c) Constant non- achievement of milestones on insufficient and imaginary grounds and non- adherence to quality specifications despite being pointed out .
- d) Persistent and intentional violation of important conditions of contract .
- e) Security consideration of the State i.e. any action that jeopardizes the security of State .
- f) Submission of false / fabricated / forged documents for consideration of a tender .

108. **Labour Cess**

1% Labour cess will be deducted from the gross amount of the Contractor Bills .

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

- a. Required Tender Cost and E.M.D for the particular work.
- b. Copy of Original Contractor Registration License, GST Registration certificate, PAN card, Original Affidavit for the particular work of the Tender Notice along with the tender documents submitted to the CEO, DMF, Sundargarh,
- c. Information regarding current litigation, debarring / expelling of the applicant or abandonment of work by the applicant in **schedule "C"** and **affidavit to that effect including authentication of tender documents and Bank guarantee in schedule "D"**.
- d. Those Engineer Contractor and SC/ST Contractors desires to avail benefit as allowed for EMD exemption to are necessary to record the category to which they belong in the Registration Certificate (R.C.) as well as supported with the Affidavit, otherwise their tender paper treated as normal tender .

**Collector & Chairperson,
DMF, Sundargarh**

SCHEDULE-A

CERTIFICATE OF NO RELATIONSHIP

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

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

(*) - Strike out which is not applicable

Signature of the Tenderer

Date:-

SCHEDULE-B1**WORKING EXPERIENCE**
B-1. LIST OF PROJECTS EXECUTED

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

(*) The certificate of Working Experience must be issued not below the rank of Executive Engineer/ Head of Office of the concerned office/department.

SCHEDULE-B2**B-2. LIST OF PROJECTS IN PROGRESS**

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

SCHEDULE-"C"

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

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

Note:

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

(Signed by an Authorised Officer of the firm /bidder)

Date :

SCHEDULE –"D"

AFFIDAVIT

1. The undersigned, do hereby certified that all the statements made in the required attachments for the Tender worksubmitted to the Collector , Sundargarh are true and correct.
2. The undersigned also hereby certifies that neither our firm M/s_____ 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 authorised and request (s) any bank, person, firm or Corporation to furnish pertinent information as deemed necessary and as requested by the Department to verify this statement or regarding my (our) competency and general reputation.
4. The undersigned understands and agrees that further qualifying information may be requested and agree to furnish any such information at the request of the Department.

(Signed by an Authorised Officer of the firm /bidder)

Date :

Name of the work : A. Construction of AWC Building at Ratakhundi Kanaktura GP Hemgir Block					
Bid Identification -SNG-DMF-10/2018-19					
SCHEDULE OF WORKS					
Sl No	Item Description	Quantity	Unit	Rate	Amount
1	Earth work in excavation of foundation in hard soil or gravelly soil including dressing and leveling the bed and disposal of the excavated materials within initial leads and lifts as per direction of E.I.C.	73.376	cum	134.40	9861.73
2	Supplying & filling foundation and plinth with sand well watered and rammed including cost, cost of all labour, carriage, royalty, taxes, T&P etc complete.	26.404	cum	360.70	9523.92
3	Cement Concrete (1:4:8) using 40mm size hard granite metal approved quality from approved quarry including hoisting laying using concrete mixture and vibrators including cost, carriage, royalty, cost of labour T & P etc. complete and as directed by E.I.C.	15.70	cum	3726.10	58499.77
4	R.C.C. M-20 grade with 20mm and down grade C.B. chips of approved quality from approved quarry including hoisting, laying hire charges of concrete mixture, vibrator, watering, curing and cost of all materials and labour, T&P centering shuttering etc complete but excluding cost of reinforcement complete.	25.113	cum	4946.50	124221.45
5	Reinforcement for RCC Structures 80 Kg. / Cum	20.088	Qntl	6352.90	127617.06
6	Shuttering for sub Structure	54.289	Sqm	87.26	4737.26
7	Shuttering for super Structure				
	(A) Column & Roof Beam	43.89	Sqm	541.72	23776.09
	(B) Lintel Beam	14.35	Sqm	213.88	3069.18
	(C) Roof Slab and Chajja	78.94	Sqm	339.78	26822.23
8	Brick work with Fly Ash bricks 23cm x 12cm x 8cm size having crushing strength not less than 75Kg/cm ² with dimensional tolerance ± 8 percent in cement mortar (1:6) in Foundation and Plinth including watering curing, cost of carriage, royalty and taxes of all materials, cost of all labour, T&P etc complete as per the direction of E.I.C.	30.002	cum	3669.70	110098.34
9	Brick work with Fly Ash bricks 23cm x 12cm x 8cm size having crushing strength not less than 75Kg/cm ² with dimensional tolerance ± 8 percent in cement mortar (1:6) in Above Plinth including watering curing, cost of carriage, royalty and taxes of all materials, cost of all labour, T&P etc complete as per the direction of E.I.C.	54.041	cum	3703.00	200113.82
10	16mm thick C.P. in C.M.(1:6) over brick masonry to the rough surface including watering, curing cost, carriage, royalty, and taxes of all materials, cost of all labour, T&P etc complete as per the direction of E.I.C.	193.903	Sqm	146.50	28406.79
11	12mm thick C.P. in C.M.(1:6) over brick masonry to the smooth surface including watering, curing, cost, carriage, royalty and taxes of all materials, cost of all labour, T&P etc complete as per the direction of E.I.C.	377.415	Sqm	103.20	38949.23

12	6 mm thick cement plaster (1:4) to RCC surfaces finished smooth including closed deep chipping and slurry treatment , watering, curing cost, carriage, royalty, and taxes of all materials, cost of all labour, T&P etc complete as per the direction of E.I.C.	74.382	Sqm	111.90	8323.35
13	Supplying, fitting and fixing vitrified tile (Printed) in floors of size 600mm x 600mm of approved make conforming to IS : 13755 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 E.I.C. (For New work only)	46.860	Sqm	881.50	41307.09
14	Fixing Vitrified tiles (size 600mmx600mm) (Printed) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the tiles including cost, carriage, cost of all labour etc. complete.	6.451	Sqm	897.30	5788.48
15	Fixing glazed tiles (30cmx30cm / 40cm x 40cm special plain/printed series ceramic tiles of premium grade having thickness 7 mm to 8mm confirming to IS 13755) in floors treads or steps and landing on 20 mm thick bed of cement mortar 1:4 (1cement : 4sand) jointed with neat cement slurry mixed with pigment to match the shades of the tiles including cost of tiles.	9.065	Sqm	616.30	5586.76
16	Fixing glazed tiles (20cmx30cm / 20cm x 20cm special plain/printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shades of the tiles including cost of tiles.	18.275	Sqm	638.50	11668.59
17	Putty for external, Internal wall & Ceiling Quantity same as internal, External & Ceiling Plaster	412.191	Sqm	58.10	23948.30
18	Primer Quantity same as internal, External & Ceiling Plaster	643.56	Sqm	41.80	26900.81
19	Acrylic Emulsion Paint for inside wall Quantity same as internal, External & Ceiling Plaster	218.289	Sqm	59.10	12900.88
20	Weather Proof Paint for outside wall Quantity same as external plaster	425.272	Sqm	53.60	22794.58
21	Steel Doors, Windows and ventilators				
	D1	6.30	Sqm		
	D2	3.36	Sqm		
		9.66	Sqm		
	37.66 kg/sqm	363.796	Kg		
	W1	3.60	Sqm		
	W2	1.44	Sqm		
	W3	2.40	Sqm		
	Ventilators	1.40	Sqm		
		8.84	Sqm		
	53.80 kg/sqm	475.592	Kg		
	MS Gate	2.40	Sqm		
	57.57 kg/sqm	138.168			

	Total	977.556	Kg	56.60	55329.65
22	Labour for fitting and fixing Door, Window and Ventilator	18.50	Sqm	68.10	1259.85
23	Enamel Paint for Window grill and Doors	34.76	Sqm	94.40	3281.34
24	Aluminium Door for Toilet	3.36	Sqm	4159.00	13974.24
25	Granite fixing	12.108	Sqm	881.40	10671.99
26	Supplying, fitting and fixing of stainless steel of 304 grade in hand railing using 50 mm dia of 2 mm thick circular pipe with Balustrade of size 32 mm x 32mm x 2mm @ 0.90 mtr C/C and stainless square pipe bracing of size case as per approved design and specification, buffing, polishing etc. with the cost, conveyance taxes of all material, cost of all labour etc. complete in all respect. (in all floor)	6.20	Rmt	3402.00	21092.40
27	Paver Blocks	11.742	Sqm	502.02	5894.72
28	25mm Grading in Roof	70.28	Sqm	246.10	17295.91
29	Display Board	1	No.	4000.00	4000.00
30	Plastering With Cement Punning	21.012	Sqm	118.70	2494.12
	Building Total (A)				1060209.93

Borewell					
31	Labour for drilling of perfectly vertical bore hole of specified dia for a specified depth below ground level through consolidated and un-consolidated rock with down the hole hammer drilling rigs of combination drilling rigs required to suit the site conditions as per the direction of Engineer-in-charge including supply of rigs with its accessories, T&P & consumable etc. for lowering 125mm dia PVC pipes or GI pipes for housing fitted with socket and with or without well screens as per the necessity for the soft medium and hard formation (PVC/GI) pipe casing pipes if required to prevent collapse of the over burden is to be provided by the contractor including lowering and with drawing after completion of the Tube Well.				
	125mm dia 00 mtr. 100th mtr.	100.00	Mtr.	480.00	48000.00
32	Lowering the following size PVC/GI pipe with or without slotted pipes as per the necessity from 0 mtr. up to 30 mtr. depth, fitted & fixed up in perfectly vertical position, including cutting & threading pipe & slotted pipe & supplying & fixing all jointing materials T&P etc. complete & keeping the top of the casing pipe threaded including plugging Tube Wells to prevent entry of foreign matters from above.				
	125mm dia. PVC Casing Pipe.	30.00	Mtr.	72.00	2160.00
33	Clearing and developing the Tube Wells with their own compressor continuously worked till clear and adequate discharge is obtained from the Tube Well including supply of and use of all necessary equipment's and labour as per the direction of Engineer-in-charge.	1.00	Each	2000.00	2000.00
34	125mm PVC-sch 80-ASTM Casing pipe	30.00	Mtr.	568.00	17040.00
35	Supply Fitting, Fixing & Installation 1 HP Submersible pump with all respective like (PVC Pipe, cable, Electric panel, rope, Boring cap etc.)	1.00	No.	10000.00	10000.00
	Total (B)				79200.00
	Total (A+B)				1139410.00

Name of the work :B. Construction of AWC Building at Dhumamunda Kanaktura GP Hemgir Block .

Bid Identification-SNG-DMF-10/2018-19

SCHEDULE OF WORKS

Sl No	Item Description	Quantity	Unit	Rate	Amount
1	Earth work in excavation of foundation in hard soil or gravelly soil including dressing and leveling the bed and disposal of the excavated materials within initial leads and lifts as per direction of E.I.C.	73.376	cum	134.40	9861.73
2	Supplying & filling foundation and plinth with sandwell watered and rammed including cost, cost of all labour, carriage, royalty, taxes, T&P etc complete.	26.404	cum	360.70	9523.92
3	Cement Concrete (1:4:8) using 40mm size hard granite metal approved quality from approved quarry including hoisting laying using concrete mixture and vibrators including cost, carriage, royalty, cost of labour T & P etc. complete and as directed by E.I.C.	15.70	cum	3726.10	58499.77
4	R.C.C. M-20 grade with 20mm and down grade C.B. chips of approved quality from approved quarry including hoisting, laying hire charges of concrete mixture, vibrator, watering, curing and cost of all materials and labour, T&P centering shuttering etc complete but excluding cost of reinforcement complete.	25.113	cum	4946.50	124221.45
5	Reinforcement for RCC Structures 80 Kg. / Cum	20.088	Qntl	6352.90	127617.06
6	Shuttering for sub Structure	54.289	Sqm	87.26	4737.26
7	Shuttering for super Structure				
	(A) Column & Roof Beam	43.89	Sqm	541.72	23776.09
	(B) Lintel Beam	14.35	Sqm	217.51	3121.27
	(C) Roof Slab and Chajja	78.94	Sqm	339.78	26822.23
8	Brick work with Fly Ash bricks 23cm x 12cm x 8cm size having crushing strength not less than 75Kg/cm ² with dimensional tolerance ± 8 percent in cement mortar (1:6) in Foundation and Plinth including watering curing, cost of carriage, royalty and taxes of all materials, cost of all labour, T&P etc complete as per the direction of E.I.C.	30.002	cum	3669.70	110098.34
9	Brick work with Fly Ash bricks 23cm x 12cm x 8cm size having crushing strength not less than 75Kg/cm ² with dimensional tolerance ± 8 percent in cement mortar (1:6) in Above Plinth including watering curing, cost of carriage, royalty and taxes of all materials, cost of all labour, T&P etc complete as per the direction of E.I.C.	54.041	cum	3703.00	200113.82
10	16mm thick C.P. in C.M.(1:6) over brick masonry to the rough surface including watering, curing cost, carriage, royalty, and taxes of all materials, cost of all labour, T&P etc complete as per the direction of E.I.C.	193.903	Sqm	146.50	28406.79

11	12mm thick C.P. in C.M.(1:6) over brick masonry to the smooth surface including watering, curing, cost, carriage, royalty and taxes of all materials, cost of all labour, T&P etc complete as per the direction of E.I.C.	377.415	Sqm	103.20	38949.23
12	6 mm thick cement plaster (1:4) to RCC surfaces finished smooth including closed deep chipping and slurry treatment , watering, curing cost, carriage, royalty, and taxes of all materials, cost of all labour, T&P etc complete as per the direction of E.I.C.	74.382	Sqm	111.90	8323.35
13	Supplying, fitting and fixing vitrified tile (Printed) in floors of size 600mm x 600mm of approved make conforming to IS : 13755 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 E.I.C. (For New work only)	46.860	Sqm	881.50	41307.09
14	Fixing Vitrified tiles (size 600mmx600mm) (Printed) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the tiles including cost, carriage, cost of all labour etc. complete.	6.451	Sqm	897.30	5788.48
15	Fixing glazed tiles (30cmx30cm / 40cm x 40cm special plain/printed series ceramic tiles of premium grade having thickness 7 mm to 8mm confirming to IS 13755) in floors treads or steps and landing on 20 mm thick bed of cement mortar 1:4 (1cement : 4sand) jointed with neat cement slurry mixed with pigment to match the shades of the tiles including cost of tiles.	9.065	Sqm	616.30	5586.76
16	Fixing glazed tiles (20cmx30cm / 20cm x 20cm special plain/printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shades of the tiles including cost of tiles.	18.275	Sqm	638.50	11668.59
17	Putty for external, Internal wall & Ceiling Quantity same as internal, External & Ceiling Plaster	412.191	Sqm	58.10	23948.30
18	Primer Quantity same as internal, External & Ceiling Plaster	643.56	Sqm	41.80	26900.81
19	Acrylic Emulsion Paint for inside wall Quantity same as internal, External & Ceiling Plaster	218.289	Sqm	59.10	12900.88
20	Weather Proof Paint for outside wall Quantity same as external plaster	425.272	Sqm	53.60	22794.58
21	Steel Doors, Windows and ventilators				
	D1	6.30	Sqm		
	D2	3.36	Sqm		
		9.66	Sqm		
	37.66 kg/sqm	363.796	Kg		
	W1	3.60	Sqm		
	W2	1.44	Sqm		

	W3	2.40	Sqm		
	Ventilators	1.40	Sqm		
		8.84	Sqm		
	53.80 kg/sqm	475.592	Kg		
	MS Gate	2.40	Sqm		
	57.57 kg/sqm	138.168	Kg		
	Total	977.556	Kg	56.60	55329.65
22	Labour for fitting and fixing Door, Window and Ventilator	18.50	Sqm	68.10	1259.85
23	Enamel Paint for Window grill and Doors	34.76	Sqm	94.40	3281.34
24	Aluminium Door for Toilet	3.36	Sqm	4159.00	13974.24
25	Granite fixing	12.108	Sqm	881.40	10671.99
26	Supplying, fitting and fixing of stainless steel of 304 grade in hand railing using 50 mm dia of 2 mm thick circular pipe with Balustrade of size 32 mm x 32mm x 2mm @ 0.90 mtr C/C and stainless Square pipe bracing of size case as per approved design and specification, buffing, polishing etc. with the cost, conveyance taxes of all material, cost of all labour etc. complete in all respect. (in all floor)	6.20	Rmt	3402.00	21092.40
27	Paver Blocks	11.742	Sqm	502.02	5894.72
28	25mm Grading in Roof	70.28	Sqm	246.10	17295.91
29	Display Board	1	No.	4000.00	4000.00
30	Plastering With cement punning	21.012	Sqm	118.70	2494.12
	Building Total(A)				1060262.02
Borewell					
31	Labour for drilling of perfectly vertical bore hole of specified dia for a specified depth below ground level through consolidated and un-consolidated rock with down the hole hammer drilling rigs of combination drilling rigs required to suit the site conditions as per the direction of Engineer-in-charge including supply of rigs with its accessories, T&P & consumable etc. for lowering 125mm dia PVC pipes or GI pipes for housing fitted with socket and with or without well screens as per the necessity for the soft medium and hard formation (PVC/GI) pipe casing pipes if required to prevent collapse of the over burden is to be provided by the contractor including lowering and with drawing after completion of the Tube Well.				
	125mm dia 00 mtr. 100th mtr.	100.00	Mtr.	480.00	48000.00
32	Lowering the following size PVC/GI pipe with or without slotted pipes as per the necessity from 0 mtr. up to 30 mtr. depth, fitted & fixed up in perfectly vertical position, including cutting & threading pipe & slotted pipe & supplying & fixing all jointing materials T&P etc. complete & keeping the top of the casing pipe threaded including plugging Tube Wells to prevent entry of foreign matters from above.				
	125mm dia. PVC Casing Pipe.	30.00	Mtr.	72.00	2160.00
33	Clearing and developing the Tube Wells with their own compressor continuously worked till clear and adequate discharge is obtained from the Tube Well including supply of	1.00	Each	2000.00	2000.00

	and us of all necessary equipment's and labour as per the direction of Engineer-in-charge.				
34	125mm PVC-sch 80-ASTM Casing pipe	30.00	Mtr.	568.00	17040.00
35	Supply Fitting, Fixing & Installation 1 HP Submersible pump with all respective like (PVC Pipe, cable, Electric panel ,rope, Boring cap etc.)	1.00	No.	10000.00	10000.00
	Total (B)				79200.00
	Total (A+B)				1139462.00

Name of the Work : C. Construction of AWC Building at Ainlajharan Kanaktura GP Hemgir Block

BID REFERENCE. NO.: DMF/SNG/10-2018-19.

SCHEDULE OF WORKS

SI No	Item Description	Quantity	Unit	Rate	Amount
1	Earth work in excavation of foundation in hard soil or gravelly soil including dressing and leveling the bed and disposal of the excavated materials within initial leads and lifts as per direction of E.I.C.	73.376	cum	134.40	9861.73
2	Supplying & filling foundation and plinth with sand well watered and rammed including cost, cost of all labour, carriage, royalty, taxes, T&P etc complete.	26.404	cum	360.70	9523.92
3	Cement Concrete (1:4:8) using 40mm size hard granite metal approved quality from approved quarry including hoisting laying using concrete mixture and vibrators including cost, carriage, royalty, cost of labour T & P etc. complete and as directed by E.I.C.	15.7	cum	3726.10	58499.77
4	R.C.C. M-20 grade with 20mm and down grade C.B. chips of approved quality from approved quarry including hoisting, laying hire charges of concrete mixture, vibrator, watering, curing and cost of all materials and labour, T&P centering shuttering etc complete but excluding cost of reinforcement complete.	25.113	cum	4946.50	124221.45
5	Reinforcement for RCC Structures 80 Kg. / Cum	20.088	Qntl	6352.90	127617.06
6	Shuttering for sub Structure	54.289	Sqm	87.26	4737.26
7	Shuttering for super Structure				
	(A) Column & Roof Beam	43.89	Sqm	541.72	23776.09
	(B) Lintel Beam	14.35	Sqm	213.88	3069.18
	(C) Roof Slab and Chajja	78.94	Sqm	339.78	26822.23
8	Brick work with Fly Ash bricks 23cm x 12cm x 8cm size having crushing strength not less than 75Kg/cm ² with dimensional tolerance ± 8 percent in cement mortar (1:6) in Foundation and Plinth including watering curing, cost of carriage, royalty and taxes of all materials, cost of all labour, T&P etc complete as per the direction of E.I.C.	30.002	cum	3669.70	110098.34
9	Brick work with Fly Ash bricks 23cm x 12cm x 8cm size having crushing strength not less than 75Kg/cm ² with dimensional tolerance ± 8 percent in cement mortar (1:6) in Above Plinth including watering curing, cost of carriage, royalty and taxes of all materials, cost of all labour, T&P etc complete as per the direction of E.I.C.	54.041	cum	3703.00	200113.82

10	16mm thick C.P. in C.M.(1:6) over brick masonry to the rough surface including watering, curing cost, carriage, royalty, and taxes of all materials, cost of all labour, T&P etc complete as per the direction of E.I.C.	193.903	Sqm	146.50	28406.79
11	12mm thick C.P. in C.M.(1:6) over brick masonry to the smooth surface including watering, curing, cost, carriage, royalty and taxes of all materials, cost of all labour, T&P etc complete as per the direction of E.I.C.	377.415	Sqm	103.20	38949.23
12	6 mm thick cement plaster (1:4) to RCC surfaces finished smooth including closed deep chipping and slurry treatment , watering, curing cost, carriage, royalty, and taxes of all materials, cost of all labour, T&P etc complete as per the direction of E.I.C.	74.382	Sqm	111.90	8323.35
13	Supplying, fitting and fixing vitrified tile (Printed) in floors of size 600mm x 600mm of approved make conforming to IS : 13755 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 E.I.C. (For New work only)	46.860	Sqm	881.50	41307.09
14	Fixing Vitrified tiles (size 600mmx600mm) (Printed) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the tiles including cost, carriage, cost of all labour etc. complete.	6.451	Sqm	897.30	5788.48
15	Fixing glazed tiles (30cmx30cm / 40cm x 40cm special plain/printed series ceramic tiles of premium grade having thickness 7 mm to 8mm confirming to IS 13755) in floors treads or steps and landing on 20 mm thick bed of cement mortar 1:4 (1cement : 4sand) jointed with neat cement slurry mixed with pigment to match the shades of the tiles including cost of tiles.	9.065	Sqm	616.30	5586.76
16	Fixing glazed tiles (20cmx30cm / 20cm x 20cm special plain/printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shades of the tiles including cost of tiles.	18.275	Sqm	638.50	11668.59
17	Putty for external, Internal wall & Ceiling Quantity same as internal, External & Ceiling Plaster	412.191	Sqm	58.10	23948.30
18	Primer Quantity same as internal, External & Ceiling Plaster	643.56	Sqm	41.80	26900.81
19	Acrylic Emulsion Paint for inside wall Quantity same as internal, External & Ceiling Plaster	218.289	Sqm	59.10	12900.88
20	Weather Proof Paint for outside wall Quantity same as external plaster	425.272	Sqm	53.60	22794.58
21	Steel Doors, Windows and ventilators				
	D1	6.30	Sqm		
	D2	3.36	Sqm		
		9.66	Sqm		

	37.66 kg/sqm	363.796	Kg		
	W1	3.60	Sqm		
	W2	1.44	Sqm		
	W3	2.40	Sqm		
	Ventilators	1.40	Sqm		
		8.84	Sqm		
	53.80 kg/sqm	475.592	Kg		
	MS Gate	2.40	Sqm		
	57.57 kg/sqm	138.168	Kg		
	Total	977.556	Kg	56.60	55329.65
22	Labour for fitting and fixing Door, Window and Ventilator	18.50	Sqm	68.10	1259.85
23	Enamel Paint for Window grill and Doors	34.76	Sqm	94.40	3281.34
24	Aluminium Door for Toilet	3.36	Sqm	4159.00	13974.24
25	Granite fixing	12.108	Sqm	881.40	10671.99
26	Supplying, fitting and fixing of stainless steel of 304 grade in hand railing using 50 mm dia of 2 mm thick circular pipe with Balustrade of size 32 mm x 32mm x 2mm @ 0.90 mtr C/C and stainless square pipe bracing of size case as per approved design and specification, buffing, polishing etc. with the cost, conveyance taxes of all material, cost of all labour etc. complete in all respect. (in all floor)	6.20	Rmt	3402.00	21092.40
27	Paver Blocks	11.742	Sqm	502.02	5894.72
28	25mm Grading in Roof	70.28	Sqm	246.10	17295.91
29	Display Board	1	No.	4000.00	4000.00
30	Plastering with Cement Punning	21.012	Sqm	118.00	2479.42
	Building Total (A)				1060195.22

Borewell					
31	Labour for drilling of perfectly vertical bore hole of specified dia for a specified depth below ground level through consolidated and un-consolidated rock with down the hole hammer drilling rigs of combination drilling rigs required to suit the site conditions as per the direction of Engineer-in-charge including supply of rigs with its accessories, T&P & consumable etc. for lowering 125mm dia PVC pipes or GI pipes for housing fitted with socket and with or without well screens as per the necessity for the soft medium and hard formation (PVC/GI) pipe casing pipes if required to prevent collapse of the over burden is to be provided by the contractor including lowering and with drawing after completion of the Tube Well.				
	125mm dia 00 mtr. 100th mtr.	100.00	Mtr.	480.00	48000.00
32	Lowering the following size PVC/GI pipe with or without slotted pipes as per the necessity from 0 mtr. up to 30 mtr. depth, fitted & fixed up in perfectly vertical position, including cutting & threading pipe & slotted pipe & supplying & fixing all jointing materials T&P etc. complete & keeping the top of the casing pipe threaded including plugging Tube Wells to prevent entry of foreign matters from above.				

	125mm dia. PVC Casing Pipe.	30.00	Mtr.	72.00	2160.00
33	Clearing and developing the Tube Wells with their own compressor continuously worked till clear and adequate discharge is obtained from the Tube Well including supply of and use of all necessary equipments and labour as per the direction of Engineer-in-charge.	1.00	Each	2000.00	2000.00
34	125mm PVC-sch 80-ASTM Casing pipe	30.00	Mtr.	568.00	17040.00
35	Supply Fitting, Fixing & Installation 1 HP Submersible pump with all respective like (PVC Pipe, cable, Electric panel, rope, Boring cap etc.)	1.00	No.	10000.00	10000.00
	Total (B)				79200.00
	Total (A+B)				1139395.00

Name of the Work : D .Construction of AWC Building at Khajuridihi Kanaktura GP Hemgir Block

Bid Identification-SNG-DMF-10/2018-19

SCHEDULE OF WORKS

SI No	Item Description	Quantity	Unit	Rate	Amount
1	Earth work in excavation of foundation in hard soil or gravelly soil including dressing and leveling the bed and disposal of the excavated materials within initial leads and lifts as per direction of E.I.C.	73.376	cum	134.40	9861.73
2	Supplying & filling foundation and plinth with sand well watered and rammed including cost, cost of all labour, carriage, royalty, taxes, T&P etc complete.	26.404	cum	360.70	9523.92
3	Cement Concrete (1:4:8) using 40mm size hard granite metal approved quality from approved quarry including hoisting laying g using concrete mixture and vibrators including cost, carriage, royalty, cost of labour T & P etc. complete and as directed by E.I.C.	15.7	cum	3726.10	58499.77
4	R.C.C. M-20 grade with 20mm and down grade C.B. chips of approved quality from approved quarry including hoisting, laying hire charges of concrete mixture, vibrator, watering, curing and cost of all materials and labour, T&P centering shuttering etc complete but excluding cost of reinforcement complete.	25.113	cum	4946.50	124221.45
5	Reinforcement for RCC Structures 80 Kg. / Cum	20.088	Qntl	6352.90	127617.06
6	Shuttering for sub Structure	54.289	Sqm	87.26	4737.26
7	Shuttering for super Structure				
	(A) Column & Roof Beam	43.89	Sqm	541.72	23776.09
	(B) Lintel Beam	14.35	Sqm	213.88	3069.18
	(C) Roof Slab and Chajja	78.94	Sqm	339.78	26822.23
8	Brick work with Fly Ash bricks 23cm x 12cm x 8cm size having crushing strength not less than 75Kg/cm ² with dimensional tolerance ± 8 percent in cement mortar (1:6) in Foundation and Plinth including watering curing, cost of carriage, royalty and taxes of all materials, cost of all labour, T&P etc complete as per the direction of E.I.C.	30.002	cum	3669.70	110098.34

9	Brick work with Fly Ash bricks 23cm x 12cm x 8cm size having crushing strength not less than 75Kg/cm ² with dimensional tolerance ± 8 percent in cement mortar (1:6) in Above Plinth including watering curing, cost of carriage, royalty and taxes of all materials, cost of all labour, T&P etc complete as per the direction of E.I.C.	54.041	cum	3703.00	200113.82
10	16mm thick C.P. in C.M.(1:6) over brick masonry to the rough surface including watering, curing cost, carriage, royalty, and taxes of all materials, cost of all labour, T&P etc complete as per the direction of E.I.C.	193.903	Sqm	146.50	28406.79
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12	6 mm thick cement plaster (1:4) to RCC surfaces finished smooth including closed deep chipping and slurry treatment , watering, curing cost, carriage, royalty, and taxes of all materials, cost of all labour, T&P etc complete as per the direction of E.I.C.	74.382	Sqm	111.90	8323.35
13	Supplying, fitting and fixing vitrified tile (Printed) in floors of size 600mm x 600mm of approved make conforming to IS : 13755 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 E.I.C. (For New work only)	46.860	Sqm	881.50	41307.09
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15	Fixing glazed tiles (30cmx30cm / 40cm x 40cm special plain/printed series ceramic tiles of premium grade having thickness 7 mm to 8mm confirming to IS 13755) in floors treads or steps and landing on 20 mm thick bed of cement mortar 1:4 (1cement: 4sand) jointed with neat cement slurry mixed with pigment to match the shades of the tiles including cost of tiles.	9.065	Sqm	616.30	5586.76
16	Fixing glazed tiles (20cmx30cm / 20cm x 20cm special plain/printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shades of the tiles including cost of tiles.	18.275	Sqm	638.50	11668.59
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21	Steel Doors, Windows and ventilators				
	D1	6.30	Sqm		

	D2	3.36	Sqm		
		9.66	Sqm		
	37.66 kg/sqm	363.796	Kg		
	W1	3.60	Sqm		
	W2	1.44	Sqm		
	W3	2.40	Sqm		
	Ventilators	1.40	Sqm		
		8.84	Sqm		
	53.80 kg/sqm	475.592	Kg		
	MS Gate	2.4	Sqm		
	57.57 kg/sqm	138.168	Kg		
	Total	977.556	Kg	56.60	55329.65
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23	Enamel Paint for Window grill and Doors	34.76	Sqm	94.40	3281.34
24	Aluminium Door for Toilet	3.36	Sqm	4159.00	13974.24
25	Granite fixing	12.108	Sqm	881.40	10671.99
26	Supplying, fitting and fixing of stainless steel of 304 grade in hand railing using 50 mm dia of 2 mm thick circular pipe with Balustrade of size 32 mm x 32mm x 2mm @ 0.90 mtr C/C and stainless square pipe bracing of size case as per approved design and specification, buffing, polishing etc. with the cost, conveyance taxes of all material, cost of all labour etc. complete in all respect. (in all floor)	6.20	Rmt	3402.00	21092.40
27	Paver Blocks	11.742	Sqm	502.02	5894.72
28	25mm Grading in Roof	70.28	Sqm	246.10	17295.91
29	Display Board	1	No.	4000.00	4000.00
30	Plastering cement Punning	21.012	Sqm	118.70	2494.12
	Building Total (A)				1060209.93
	Borewell				
31	Labour for drilling of perfectly vertical bore hole of specified dia for a specified depth below ground level through consolidated and un-consolidated rock with down the hole hammer drilling rigs of combination drilling rigs required to suit the site conditions as per the direction of Engineer-in-charge including supply of rigs with its accessories, T&P & consumable etc. for lowering 125mm dia PVC pipes or GI pipes for housing fitted with socket and with or without well screens as per the necessity for the soft medium and hard formation (PVC/GI) pipe casing pipes if required to prevent collapse of the over burden is to be provided by the contractor including lowering and with drawing after completion of the Tube Well.				
	125mm dia 00 mtr. 100th mtr.	100.00	Mtr.	480.00	48000.00
32	Lowering the following size PVC/GI pipe with or without slotted pipes as per the necessity from 0 mtr. up to 30 mtr. depth, fitted & fixed up in perfectly vertical position, including cutting & threading pipe & slotted pipe & supplying & fixing all jointing materials T&P etc. complete & keeping the top of the casing pipe threaded including plugging Tube Wells to prevent entry of foreign matters from above.				
	125mm dia. PVC Casing Pipe.	30.00	Mtr.	72.00	2160.00

33	Clearing and developing the Tube Wells with their own compressor continuously worked till clear and adequate discharge is obtained from the Tube Well including supply of and use of all necessary equipment's and labour as per the direction of Engineer-in-charge.	1.00	Each	2000.00	2000.00
34	125mm PVC-sch 80-ASTM Casing pipe	30.00	Mtr.	568.00	17040.00
35	Supply Fitting, Fixing & Installation 1 HP Submersible pump with all respective like (PVC Pipe, cable, Electric panel ,rope, Boring cap etc.)	1.00	No.	10000.00	10000.00
	Total (B)				79200.00
	Total(A+B)				1139410.00
	Total(A+B+C+D)				45,57,677/-

The Tenderer are required to put their percentage of rate in the blank space given below, failing which the tender document will be rejected.

My/Our quoted rate is _____%(Figure) _____ (In words)

***Less than/Excess over/ Equal to the amount put to tender.**

Total number of Items : 140 items only:

Number of Corrections. :

Number of interpolation :

Number of over writings :

Signature of the Bidder/Tenderer


**Signature of the Collector and
Chairperson, Sundargarh**

Total = 37 Pages only.