



DESIGNED TO EXCEL

ODISHA CONSTRUCTION CORPORATION LTD.
(A Govt. of Odisha Undertaking)
Gopabandhu Nagar, Unit-VIII, Bhubaneswar.

BID DOCUMENT
(Single Cover)

Tender Call Notice No. SM,UGPL,RGDA,OCCL- 06/2021-22

NAME OF WORK

Providing Engineering Service for the work, "Distribution system of Ghatakeswar Multipurpose Project through Under Ground Pipe Line (UGPL) (Gravity Flow) along with Micro Irrigation System."

**Senior Manager(C),
OCC Ltd., UGPL Projects,
Rayagada.**

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SECTION-I
NOTICE INVITING TENDER
&
DETAILED TENDER CALL NOTICE

ODISHA CONSTRUCTION CORPORATION LTD.
(A Govt. of Odisha Undertaking)
Office of the Senior Manager, UGPL Project, Rayagada.
Ph: +91-6856358684, E-mail-sm.ugplrayagada@gmail.com

NOTICE INVITING TENDER

Tender Call Notice No – SM,UGPL,RGDA,OCCL- 06/2021-22

The Senior Manager (Civil), OCCL, UGPL Projects, Rayagada on behalf of Odisha Construction Corporation Limited invites sealed tender on item rate basis from the Associated Consultant enlisted with “OCCL” in single cover system for execution of the following works.

SI No	Type of Work	Tender Call Notice No.	Period of completion	Tender Fee (in shape of DD)	EMD/ Bid Security
1	2	3	4	5	6
01	Providing Engineering service for the work, “Distribution system of Ghatakeswar Multipurpose project through UGPL (Gravity Flow) along with Micro Irrigation system”.	SM,UGPL, RGDA,OC CL- 06/2021- 22	2 (Two) calendar months	Rs. 2360/- inclusive GST (Non Refundable)	Bid Security Declaration as per W.D. O.M No.5984, dated. 27.04.2021 & O.M No.18281 dated 31.12.2021 is to be furnished

- a) The tender document may be downloaded from the websites of OCCL from Date. 07.03.2022, 10.00A.M. to Date.17.03.2022 up to 05.00 P.M. In such case, the Associated Consultant has to deposit the cost of tender paper as above by demand draft to be drawn on or before dt. 17.03.2022 from any nationalized/ scheduled bank payable at Rayagada in favour of **“Odisha Construction Corporation Limited Project Account”** along with the tender document during submission or can be purchased at the office of the Senior Manager(Civil), OCCL, UGPL Projects Rayagada / General Manager(Civil), OCCL, UGPL Projects, Bhubaneswar Odisha during office hours by the above date on payment of non-refundable cost of tender document as indicated in the table above in shape of Demand draft drawn on any nationalized/schedule bank payable at Rayagada only in favour of **“Odisha Construction Corporation Limited Project Account”**.
- b) The provision of EMD/submission of EMD by any method has been exempted by the Govt. of Odisha till 31.03.2022. However, the Bidders have to submit a Bid Security Declaration as per Works Department Office Memorandum No. 5984, dated. 27.04.2021 & O.M No.18281 dated 31.12.2021 as part of its bid.

c) **Procurement Details:**

Procurement Officer	Availability of Tender off-line	Submission of Bid off-line	Date & Time of opening of Tender
1	2	3	4
Senior Manager (Civil), OCCL, UGPL Projects, Rayagada.	From 07.03.2022, 10.00 A.M. to 17.03.2022, 5.00 P.M	From 07.03.2022, 10.00 A. M to 17.03.2022, 5.30 P.M	21.03.2022 at 11.00 A.M. at office of the Senior Manager (Civil), OCCL, UGPL Projects, Rayagada.

- d) The tender (sealed cover) must be mentioned as Tender Call Notice No. SM,UGPL,RGDA,OCCL- 06/2021-22 on the envelope clearly & delivered in the specified tender box at the office of the General Manager (Civil), OCCL, UGPL, Projects, Bhubaneswar / Senior Manager (Civil), OCCL, UGPL Projects, Rayagada on or before 5.30 PM of date. 17.03.2022 and will be opened on 21.03.2022 at 11.00 AM onwards in the presence of the tenderers or their authorized representative, who may like to be present in office of the Senior Manager(Civil), OCCL, UGPL Projects, Rayagada. If there will be a public holiday on the last date of receipt & opening of the tenders as specified above, the tender documents shall be received & opened on the next working day at the same time & venue. The sealed tender duly filled in properly must be signed by the Associated Consultant in each & every page with a token of acceptance of terms, conditions, specifications as lay down in the tender.
- e) **The Associated Consultant should have similar experience in detail engineering services for Under Ground Pipe Lines (UGPL) through gravity flow in any Irrigation projects.**
- f) Bid validity period of the Tender is for a period of **90 (ninety) days** from the last date of submission of bid. **Conditional bid is subjected to penalty which shall be imposed as deemed fit.** If any bidder withdraws his Bid/ Tender before the said period or makes any modification in the terms and condition of the bid, penalty shall be imposed. Validity of tenders can also be extended if required without any monetary compensation.
- g) Intending tenderers/bidders are required to furnish the following additional documents along with their tender.
- Bid Security Declaration as per W.D O.M No. 5984, dated. 27.04.2021 & O.M No.18281 dated.31.12.2021of ITB.
 - Affidavit duly registered before NOTARY regarding authenticity of documents (Annexure-A), & No Relation Certificate (Annexure-B).
 - Copy of GST Certificate

- (iv) Copy of PAN card
 - (v) Copy of valid enlistment certificate as Associated Consultant / Contractor / Job-worker issued by "OCCL".
 - (vi) Copy of valid registration certificate with Provident Fund authority.
- h) The successful L-1 bidder has to submit the original documents as cited above under clause no. 7 of NIT along with other necessary documents before acceptance of the tender
 - i) No Engineer of Gazetted rank or other Gazetted Officer employed in Engineering or Administrative duties in any Engineering Department of the State Government / Corporation is allowed to work as an Associated Consultant for a period of two years after his retirement from Government Service / Corporation service, without Government / Corporation permission.
 - j) The bidder has to quote his / their rates for each item including all taxes, labour cess, Income taxes and Surcharge etc (excluding GST) on works contract as applicable from time to time by the Government.
 - k) The Associated Consultants are to quote the item rates in the blank spaces provided in the bill of quantity / price schedule in the format enclosed with the tender document.
 - l) TDS on GST will be deducted as per Govt. Notification from works bill as applicable from time to time.
 - m) The authority reserves the absolute right to accept or reject any or all tenders and to split up works to award to one or more contractors without assigning any reason thereof.
 - n) Any dispute arising out of the above tender call notice shall be subject to Jurisdiction of Hon'ble High Court of Odisha at Cuttack and their subordinate Courts at Bhubaneswar only.

Senior Manager(C),
OCCL, UGPL Projects, Rayagada.

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DETAILED TENDER CALL NOTICE

- 1 The Senior Manager, OCCL, UGPL Projects, Rayagada invites off-line **item rate** tender through off-line mode in prescribed format from **enlisted Associated Consultants** of OCC Ltd. for the work **“Providing Engineering Service for the work, “Distribution system of Ghatakeswar Multipurpose Project through Under Ground Pipe Line (UGPL) (Gravity Flow) along with Micro Irrigation System.”**
- 2 The tender document for the work **“Providing Engineering Service for the work, “Distribution system of Ghatakeswar Multipurpose Project through Under Ground Pipe Line (UGPL) (Gravity Flow) along with Micro Irrigation System”** may be downloaded from the websites of OCCL from Date. 07.03.2022, 10.00A.M. to Date.17.03.2022 up to 05.00 P.M. In such case, the Associated Consultant has to deposit the cost of tender paper as indicated in the notice inviting tender by demand draft to be drawn on or before dt. 17.03.2022 from any nationalized/ scheduled bank payable at Rayagada in favour of **“Odisha Construction Corporation Limited Project Account”** along with the tender document during submission or can be purchased at the office of the Senior Manager(Civil), OCCL, UGPL Projects Rayagada / General Manager(Civil), OCCL, UGPL Projects, Bhubaneswar Odisha during office hours by the above date on payment of non-refundable cost of tender document as indicated in the table given in NIT in shape of Demand draft drawn on any nationalized/schedule bank payable at Rayagada only in favour of **“Odisha Construction Corporation Limited Project Account”**.
- 3 The tender/bid will be opened **on 21.03.2022 at 11.00 A.M.** in the Office of the Senior Manager(Civil), OCC Ltd, UGPL Projects, Rayagada in presence of the bidders or their authorized representative. In the event of the specified date of opening of tender being declared a holiday the tender will be opened at the same time and location in the next working day. The intimation letter will be sent through their e-mail address / postal address.
- 4 No tenderer will be permitted to furnish their tender in their own manuscript.
- 5 The Declaration for Earnest Money Deposit should be submit by the tendered.
- 6 The tender is to be submitted off-line containing E.M.D, Declaration, Tender paper cost, valid enlistment certificate, PAN Card, GST registration Certificate, affidavit regarding authenticity of document & No-relationship certificate ,EPF registration certificate if any as per the relevant clauses of this DTCN and special conditions if any. The bidder shall only submit single copy of the document. He is required to check the documents with the requirement asked for in the bid, only after satisfying that all the documents have been submitted, the tender. His bids shall not be considered responsive and action as per relevant clauses of NIT & DTCN shall be taken if he does not provide the required documents or provided illegible documents. Clarity of the documents may be ensured before submission of the document.

- 7 If any further necessary information is required the bidder can seek clarification on the bids within 07.03.2022 to 15.03.2022 up to 5.00 PM from the Senior Manager, UGPL Projects, Rayagada / authorized officer of OCC Ltd at Rayagada Office of the Odisha Construction Corporation Limited.
- 8 The E.M.D as mentioned in DTCN and NIT shall be in the form of D.D from a Nationalized or Scheduled Bank operative in Odisha valid for a period of 90 days beyond the validity of the bid and to be drawn in the favour of **“Odisha Construction Corporation Limited Project Account” payable at Rayagada.**
- 9 The Demand Draft or any other form as mentioned in detailed tender call notice in respect of Earnest money deposit / Bid security and the Demand Draft in respect of cost of Bid are to be submitted along with the bid.
- 10 If required the tender accepting authority will verify the originals of all the photo copy documents of the successful lowest bidder only during evaluation of tender.
- 11 In the event of failure on the part of the bidder to produce the original documents he will be debarred in future from participating in tender for 3 years and will be black listed by the competent authority. In such a situation, successful L-2 bidder will be required to produce his original documents for consideration of his tender at the negotiated rate equal to L-1 bidder.
- 12 The work is to be completed in all respect within **02 (Two) months** from the date of issue of Work Order.
- 13 All tenders received will be remaining valid for 90 (Ninety) days from the date of opening of bid and validity of tenders can also be extended if required without any monetary compensation.
- 14 Before acceptance of tender, the successful bidder will be required to submit a work programme and milestone basing on the sequence at specified in the break-up format for quoted amount (Section-VI) so as to complete the work within the stipulated time and in case of failure on the part of the agency to achieve the milestone liquidated damage as applicable will be imposed.
- 15 The date of commencement of the work shall be as notified in work order.
- 16 The specification and scope for the work(ToR) can be seen from the website <https://odishaconstruction.com/tenders> during the sale period of tender.
- 17 The tenderers shall carefully study the scope of work(ToR) applicable to the contract and documents which will form as part of the agreement to be entered into by the accepted tenderers. Complain at a later date that plans and specifications have not been seen by the tenderers will not be entertained.
- 18 Every tenderer is expected to inspect the site of work before quoting his rates. The tenderer will be deemed to have satisfied himself that the rates quoted by him in the tender will be adequate to complete the work according to the specifications and conditions attached to and that he has taken into account all conditions, difficulties that may be encountered during progress of work and to have quoted labour rates and cost of materials & equipments, with all taxes excluding GST as applicable, lead, lift, delifts loading and unloading and freight for materials, equipment and all other charges necessary for the completion of the work to the entire satisfaction of the Engineer-in-charge of the work and his authorized subordinates. Complaints at latter date that the availability of materials, labour, equipment or any other factor has been misjudged cannot be entertained.
- 19 Each tenderer must quote a definite rate for the work which will be included in the contract. The bidder shall quote the amount in each item in word in the Bill of

Quantity. **The tenderer has to fill up the break-up format of quoted amount in prescribed proforma (Section-VI) and submit along with the bid documents in the specified box.**

- 20 If the rate quoted by the bidder is same then, the tender accepting authority will finalize the tender through a transparent lottery system, where all bidders / their authorized representatives and the authorized officers of the Corporation will remain present.
- 21 Bidders are to submit only the original BOQ and submit after entering the relevant fields without any alteration/ deletion/ modification. Multiple BOQ submission by bidder shall lead to cancellation of bid.
- 22 The Bidder has to quote rate excluding GST. The GST will be paid separately.
- 23 The bidder shall sign on all statements, documents, certificates submitted by him, owning responsibility for their correctness/authenticity. If any of the information furnished by the bidder is found to be false /fabricated/ bogus, his EMD/ Bid Security shall stand forfeited & his registration in the portal shall be blocked and the bidder is liable to be blacklisted.
- 24 Intending tenderers/bidders are required to furnish the following additional documents along with their tender.
 - (i) Bid Security Declaration as per W.D O.M No. 5984, dated. 27.04.2021 & O.M No.18281 dated.31.12.2021of ITB.
 - (ii) Affidavit duly registered before NOTARY regarding authenticity of documents (Annexure-A), & No Relation Certificate (Annexure-B).
 - (iii) Copy of GST Certificate
 - (iv) Copy of PAN card
 - (v) Copy of valid enlistment certificate as Associated Consultant / Contractor / Job-worker issued by "OCCL".
 - (vi) Copy of valid registration certificate with Provident Fund authority.
- 25 The tender containing extraneous condition not covered by the tender call 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.
- 26 Submission of Bids in offline mode, is not allow to modify the bid. The bidder shall have to drop the tender document along with all other document in the specified box for the tender.
- 27 On no account the contract work should be sublet to anybody without the prior approval of the competent authority of the Department. In such an event the contract may be rescinded with penalty as will be deemed proper as per decision of the competent authority.
- 28 Letter etc, raising and lowering the rates or dealing with any point in connection with the tender will not be considered.
- 29 Schedule of Quantity accompanies tender notice: - It shall be definitely understood that the Corporation does not accept any responsibility for the correctness and completeness of this schedule and this schedule is liable for alternations or omissions, deductions or additions as set forth in the condition of contract and such omission, deductions additions or alternations shall in no way invalidate the contract and no extra monetary compensation will be entertained.
- 30 Tenders not accompanied by the EMD will be summarily rejected. No EMD will be accepted after closing hour of the tender. The bidder is to furnish, as part of his Bid, a bid security in the amount as shown in bid notice of the table of Invitation of Tender

for this particular work. The off- line bidder shall have to deposit the bid security along with the tender document. The Officer inviting the bid shall not be responsible for non-receipt of document due to any frivolous reasons. Non-submission of bid security within the specified period shall debar the bidder from participating in the bidding system and his registration shall be cancelled. His name shall also be informed to the registering authority for cancellation of his registration.

- 31 All taxes, fees, payable under the prevailing rule excluding GST as applicable, Income taxes etc. will be borne by the Associated Consultants.
- 32 The earnest money will be retained in the case of successful tender and will be dealt with as per the terms and conditions of the O.P.W.D. code and will not carry any interest. The earnest money of the unsuccessful tender will be refunded on application after the tender is finally accepted.
- 33 The work may be splitted up and distributed among several Associate Consultants if considered necessary on the emergency of the circumstances of the work and the Associate Consultants is not entitled to any compensation on this account.
- 34 The Corporation reserves the right of authority to reject any or all tenders received without assigning any reason whatsoever.
- 35 The tender inviting officer is not responsible for any delay in submission of tender.
- 36 That for the purpose of jurisdiction in the event of any dispute if any 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.
- 37 The tenderer whose tender is selected for acceptance and who has no fixed deposit with OCCL, shall within a period of seven days upon intimation being given to him of acceptance of his tender submit an **Initial Security Deposit** in shape of DD/STDR from any Nationalized or Scheduled bank operative in Odisha, **in favour of “Odisha Construction Corporation Ltd. Project Account”** and in no form which including the amount already deposited as Earnest Money Deposit shall be 2% of the value of the tendered amount and also sign agreement in the required P.W.D. Form for the fulfillment of the contract in the office of the Senior Manager(C), UGP Projects, Rayagada.

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. Failure to enter in to the required agreement and to deposit the security as above shall entail forfeiture of the earnest money. No tender shall be finally accepted until the required amount of ISD is deposited. The written agreement to be entered in to between the Associated Consultants and the OCC Ltd shall be the foundation of the rights of both the Associated Consultants and the OCC Ltd and the contract shall be deemed to be in-complete until the agreement has first been signed by the Associated Consultants and then by the proper officer authorized to enter into the contract on behalf of the Odisha Construction Corporation Limited. The security will be refunded after payment against the Final Bill of the work and will not carry any interest.

- 38 Under section 12 of contract labour (Regulation and Abolition Act 1970) the Associated Consultants who undertakes execution of work through labour, should produce valid license from licensing authority of labour department (Labour license) before commencement of the work.

- 39 The Associated Consultants shall be liable to fully indemnify the OCC Ltd of any compensation under workmen compensation Act VIII of 1993 on account of the workmen employed by the Associate Consultants and full amount of compensation paid will be recovered from the Associate Consultants.
- 40 Tenderers are required to abide by the fair wages clause as introduced by Govt. of Odisha and will not pay less than the fair wages fixed by Govt., to the labours engaged by him for the work.
- 41 In case of any complaint by the labours working about the nonpayment of his wages as per latest minimum wages Act, the Senior Manager (Civil) will have the right to investigate and if the Associated Consultants is found to be in default Senior Manager (Civil) may recover such amount from the Associated Consultants' dues and pay such amount to the labour directly under intimation to the local Labour Officer to the Govt. The decision of the Senior Manager (Civil) is final and binding on the Associated Consultants.
- 42 The Associated Consultants will have to submit the monthly return of labourer both skilled and unskilled employed by him on the work to the Senior Manager (Civil) in charge of the work.
- 43 The Associated Consultants should keep himself in touch with the Engineer-in-charge for smooth execution of the work and arrange adequate labour depending on the workload and working space available No claim for detention for labour on any account will be entertained.
- 44 No compensation will be paid by the OCC Ltd for any damage done by rain, flood, cyclone, tide or by any other natural calamities during the execution of the work.
- 45 It should be understood clearly that no claim what-so-ever will be entertained in regard to extra items of work or extra quantity of any item besides estimated amount, unless written order is obtained from the Engineer-in-charge and rates settled before the extra items of work or extra quantity of any item of work is taken up.
- 46 The tenderers shall have to abide by the C.P.W.D. safety code rules introduced by the Govt. of India, Ministry of works Housing and supply in their standing order No.44150 dt.25.01.1957, which can be seen in the Office of the Senior Manager (Civil) in charge of the office on working day, during office hours.
- 47 The tenderers shall bear various incidentals sundries and contingencies necessitated by the work in full within the following or similar category.
- a) Rent, royalties and other charges of materials, all other taxes including ferry, tolls conveyance charge and other cost on account of land and building & temporary electric connection to worksite as well as maintenance of coffer dam, service road, diversion road till completion of work 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 for temporary occupation of land owned by Govt. at the site of the work. **GST on Works Contract as applicable at the time of payment shall be paid extra over the Gross amount of the running bill amount. (Vide section 15 and section 142 (11) (c) of Odisha Goods and Services Tax Act 2017)**
 - b) Labour camps or huts necessary to a suitable scale including conservancy and sanitary arrangements there in to the satisfaction of the local health authorities.
 - c) Suitable arrangements for water supply including pipe water supply wherever available for the staff and labour as well as for the work.

- d) Suitable equipment and wearing apparatus for the labour engaged in risky operations and medical aid to the labourer engaged for the work.
 - e) Suitable fencing, barriers, signals including paraffin and electric signals where necessary at work and approaches in order to protect public and employees from accident.
 - f) Compensation including cost of any suit for injury to persons or property due to neglect of any major precautions also becomes payable due to operation of the workmen compensation Act.
 - g) The Associated Consultants has to arrange adequate lighting arrangement for the work wherever necessary at his own cost.
 - h) No payment will be made for bench marks. Level pillars, profiles, benching and leveling the ground where require. The amount to be quoted should before finishing items of work inclusive of carriage of all materials and incidental items of works.
- 48 If any further necessary information is required Senior Manager (Civil) in charge of the work will furnish such, but it must be clearly understood that the tender must be received in order and according to instruction.
- 49 In case of delay in acquisition of land no compensation will be admissible but extension of time will be allowed.
- 50 Over and above these conditions including the Technical specifications the conditions, rules and regulations and specification laid down in the relevant codes are also binding on the part of the Associated Consultants.
- 51 Submission of bids through e-Procurement Portal, the bidder shall upload the scanned copy/copies of valid enlistment certificate, PAN card, GSTIN certificate, Affidavit regarding authenticity, Genuineness of documents & No. relationship certificate. The on-line bidder shall have to produce the original documents in support of scanned copies & statements up-loaded in the portal as described earlier.
- 52 No Relation Certificate.
The Associate Consultants shall have to furnish certificate along with the tender to the effect that he is not related to any officer of Department/OCCL in the rank to an Asst. Executive Engineer and above in the State P.W.D or Under Secy. and above in the W.R. Department. If the fact subsequently proved to be false the contract will be rescinded. The earnest money and the total security will be forfeited and shall be liable to make good the loss of damage, resulting from such cancellation. The proforma for no relation certificate is contained in a separate sheet of D.T.C.N. in Annexure-A.
- 53 The Associated Consultants shall sign as a token of final acceptance of the plans, sections and agreements for the work prior, to take up the work for execution.
- 54 The Associated Consultants is to supply necessary labour and materials for the purpose of alignment laying whenever required at his own cost.
- 55 Under no circumstance, Interest chargeable for the dues to any additional dues if any payable for the work
- 56 Conditional tenders will not be taken into consideration.
- 57 The EMD will be forfeited if the tenderer backs out from offer before acceptance of the tender by the competent authority as concurred in by Law Dept& Finance Dept. in their UOR No. 848/L dt. 31.5.97 & UOR No. 202/WFD dt. 6.3.98 respectively (Works Dept. Memo No. 9101/Clt, dtd. 30.3.98) also the EMD will be forfeited if the tenderer

- failed to sign the agreement after acceptance and not willing to deposit the required ISD and additional Performance Security, if any.
- 58 If L1 bidder does not turn up for agreement after finalization of the tender then he shall be debarred from participation in bidding for three years and action will be taken to blacklist the Associate Consultants. In that case, the L2 bidder, if fulfils other required criteria would be called for drawing agreement for execution of work subject to the condition that L2 bidder negotiates at par with the rate quoted by the L1 bidder otherwise the tender will be cancelled. In case a Associate Consultants is black listed, it will be widely published and intimated to all departments of Govt. and also to Govt. of India agencies working in the State.
- 59 When in response to a notice calling for tenders, only a single tender is received in the first time, the tender shall be cancelled without opening of the bid and fresh tender be invited publicly. If single tender is received even after retendering then the approval of the next higher authority should be obtained, if the tender is otherwise in order and acceptable.
- 60 **Income Tax @ 10% and surcharge** at the prevailing rate from time to time will be deducted from each bill of the “Associated Consultant” and shall be deposited with Income Tax Authorities. Any other taxes, duties, levies etc as applicable from time to time shall also be deducted (except GST).
- 61
- a) The item rate quoted by the Associate Consultants shall be deemed to be exclusive of GST.
 - b) GST that may be levied to Associated Consultants on turnover on contract according to the Laws and Regulations as applicable from time to time & as amended from time to time.
 - c) TDS on contract towards GST as applicable will be deducted from the bill and credited to Govt. account by the corporation.
 - d) GST as applicable on contract will be deposited by the Associated Consultants after passing of each bill and intimated to Corporation subsequently.
- 62 The amount on royalty of different materials as utilized by the Associated Consultants in the work will be recovered from his bill, basing on the rate fixed by the Govt. or as amended from time to time during the period of execution.
- 63 **Additional Performance Security** shall be submitted by 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 an amount as stipulated below towards Additional Performance Security (APS) in shape of Demand Draft in favour of “Odisha Construction Corporation Ltd.” payable at Bhubaneswar / Term Deposit Receipt (TDR) pledged in favour of Odisha Construction Corporation Limited/ Bank Guarantee in prescribed format (Annexure-C) in favour of Odisha Construction Corporation Limited 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 Odisha Construction Corporation Limited (by email) to the successful bidder otherwise the bid of the successful bidder shall be cancelled and further proceedings for blacklisting shall be initiated against the bidder.
- 64

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

- 65 The bidder may be asked in writing/online (in their registered e-mail ids) to clarify on the documents provided in the Bid, if necessary, with respect to any doubts or illegible documents. The authority inviting bid may reserve the right to accept any additional document.
- 66 On no account, the contracted work should be sublet to anybody without the prior approval of the tender accepting authority of the Corporation. In such an event the contract may be rescinded with penalty as well be deemed proper by the competent authority.
- 67 Tenderers are also required to go through each clause of P.W.D. form P1 carefully in addition to the clause mentioned herein before tendering.
- 68 The Associated Consultants shall have to submit an affidavit about authentication of tender documents, while submitting tender.
- 69 All the forms and Annexure 'A' to B' attached to section-II of this DTCN must be filled in properly along with the authenticated documentary evidence required therein, failing which the bid shall be treated as 'non-responsive' and be rejected.

70 Definitions

In the contract (as hereinafter defined) the following words and expressing will have the meanings here by assigned to them.

- a) Approved / Approval – Means approved in writing.
- b) Construction Plant – Means all equipments, appliances or a thing of whatsoever nature required for the execution, or completion, maintenance of the works or temporary works but does not include materials or other things intended to form or forming part of the permanent work.
- c) Contract – Means the instruction and information for tenderers General and Special conditions of the contract, Technical specification, drawings, tender (including the schedule of quantities and tender prices) the formal agreement and all agenda and attachment related to the above.
- d) Associate Consultants – Means the particular person, firm or corporation with whom the contract has been made for executing the work.
- e) Drawing – Means the drawing referred to in the specifications any modifications of such drawings approved in writing by the Senior Manager (Civil) in charge of the work and such other drawings are may from time to time be furnished or approved in writing by the Engineer-in- charge.

- f) Engineer-in-charge – Means the Senior Manager (Civil) -in-charge of the work specified or parts of the works under the contract or such other OCC Ltd. assistants or sub-ordinates to whom the Senior manager(Civil), may have delegated certain duties acting separately within the scope of particular duties entrusted to them.
- g) Government – Means Government of Odisha, Department of Water Resources.
- h) I.S.S./ B.I.S – Means Indian Standard Specification/ Bureau of Indian Standard.
- i) Temporary Works – Means all temporary works of every kind required for the performance of the contract.
- j) Specification – Whenever the term Specification is used, apart from a specified standard specification, it shall mean the specification or plan prepared for a particular site as instructed to the Associate Consultants in executing that item of work.

SECTION-II

INFORMATION & INSTRUCTION TO

BIDDERS

INSTRUCTIONS TO BIDDERS

1 Preparation of Tender Documents.

The intending tenderer can download the tender document for the work **“Providing Engineering Service for the work, “Distribution system of Ghatakeswar Multipurpose Project through Under Ground Pipe Line (UGPL) (Gravity Flow) along with Micro Irrigation System”** from the websites of OCCL from Date. 07.03.2022, 10.00A.M. to Date.17.03.2022 up to 05.00 P.M. In such case, the Associated Consultant has to deposit the cost of tender paper as indicated in the notice inviting tender by demand draft to be drawn on or before dt. 17.03.2022 from any nationalized/ scheduled bank payable at Rayagada in favour of **“Odisha Construction Corporation Limited Project Account”** along with the tender document during submission or can be purchased at the office of the Senior Manager(Civil), OCCL, UGPL Projects Rayagada / General Manager(Civil), OCCL, UGPL Projects, Bhubaneswar Odisha during office hours by the above date on payment of non-refundable cost of tender document as indicated in the table given in NIT in shape of Demand draft drawn on any nationalized/schedule bank payable at Rayagada only in favour of **“Odisha Construction Corporation Limited Project Account”**. The bidder has to submit the photo copies of his valid OCCL enlistment Certificate, PAN card, Affidavit, No relation certificate, GSTIN certificate, EPF Registration Certificate if any, EMD/Bid Security, D.D towards cost of submission of Bid and any other required document.

2. Method of submission of Tender Documents.

- 2.1 The tender (sealed cover) must be mentioned as Tender Call Notice No. SM,UGPL,RGDA,OCCL- 06/2021-22 on the envelope clearly & delivered in the specified tender box at the office of the General Manager (Civil), OCCL, UGPL, Projects, Bhubaneswar / Senior Manager (Civil), OCCL, UGPL Projects, Rayagada on or before 5.30 PM of date. 17.03.2022 and will be opened on 21.03.2022 at 11.00 AM onwards in the presence of the tenderers or their authorized representative, who may like to be present in office of the Senior Manager(Civil), OCCL, UGPL Projects, Rayagada. If there will be a public holiday on the last date of receipt & opening of the tenders as specified above, the tender documents shall be received & opened on the next working day at the same time & venue. The sealed tender duly filled in properly must be signed by the Associated Consultant in each & every page with a token of acceptance of terms, conditions, specifications as lay down in the tender.
- 2.2 The information required as per bid documents may be provided in the specified format annexed to the bid document.
- 2.3 If the intending tenderer is an individual, the documents shall be signed by the individual above his full type written name and current address.
- 2.4 If the intending tenderer is a proprietary firm it shall be signed by the proprietor above his full name and with his current address.
- 2.5 If the intending tenderer is a firm in partnership it shall be signed by a partner holding the power of attorney for the firm in partnership in which case a certified copy of power of attorney shall accompany in the pre-qualification documents.
- 2.6 If the intending tenderer is a limited company or Corporation, it shall be signed by a duly authorized person holding the power of attorney in which case certified copy of power of attorney shall accompany.

2.7 All witness and sureties shall be of person of status and probity and their full names, occupation and address shall be stated below their signatures.

2.8 There is no provision for payment of Price Escalation.

3 Opening of Bid Document.

The tender documents will be opened on dated **.01.2019 at 4.30 PM** in the Corporate Office of Odisha Construction Corporation Limited, at Gopabandhu Nagar, Unit-VIII, Bhubaneswar in the presence of tenderers or their authorized representative, who wish to be present.

4 Final Decision-making authority

The Managing Director of the Corporation is the competent authority who reserves the right to accept or reject or disqualify any of the tender without assigning any reasons thereof and his decision shall be final and binding on all the bidders.

5. Further Clarification

The **Managing Director, OCC Ltd, Unit-VIII, Bhubaneswar/his authorized representative** may be contacted during office hours on any working days or online from **.01.2019 to .01.2019 upto 5.00PM** for any further clarification.

6 ISSUE OF ADDENDA / CORRIGENDA/ CANCELLATION NOTICE:

The Officer inviting the tender may publish any addendum / corrigendum/ cancellation of tender in the notice board and in web site and such notice shall form part of the bidding documents.

FORM – A
STRUCTURE AND ORGANISATION

1. Name of Tenderer
 2. Nationality of Tenderer
 3. Office Address

 4. Telephone No. / Mobile No
 - e-mail Id
 5. Location of establishment
 6. The tenderer is
 - a. An individual
 - b. A proprietary firm
 - c. A limited company or limited corporation
 - d. A member of a group of companies (If yes, give names, address and present description
Of other companies.
 - e. A subsidiary of large organization
(If yes, give names, address of the present organization)
 - f. If the company is subsidiary state what involvement if any, will the parent company have in
the project.
- Attach the organization chart showing the structure of the organization including the names of the
Directors position of officer.
7. Number of year of experience
 - a. As a prime Consultant
 - I In own country
 - II Other country (specify country)
 - b. In a joint venture
 - I In own country
 - II Other country (specify country)

CERTIFICATE OF NO-RELATIONSHIP

I/We hereby certify that I/We am/are not related to any office of Govt. of Odisha/OCC Ltd of the rank of Asst. Executive Engineer and above and any officer of the rank of Under Secretary and above in the W.R. Department. I/We am/are aware that if the facts subsequently proved to be false my/our contact will be rescinded with for feature of EMD& 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.

Signature of the Associated Consultant

Name _____

Address _____

Date : _____

AFFIDAVIT

I, Sri.....Aged.....years, Son/
Daughter/ Wife of Sri..... at present residing
At..... P.O.....P.S.....Dist:.....(State & Country).
Pin..... do here by solemnly affirm as follows.

i) That, I / We possess a valid enlistment certificate for execution of works contract issued by
*

I am submitting tenders before the **Managing Director, Odisha Construction Corporation Ltd, Bhubaneswar** for execution of following works in response to e – procurement Notice
No.& Bid Identification No.

1. * * *

2. Etc.

ii) I am the authorized signatory on behalf of Firm / Associated Consultant for the tender for
the work / works mentioned above.

iii) I am swearing this affidavit that all tender documents and accompanying papers those
being submitted by me before the **Managing Director, Odisha Construction Corporation Ltd, Bhubaneswar** including E.M.D. in any shape are all authentic and bonafied documents
in the eyes of the law of the land. That the facts stated in the affidavit are true to the best of
my knowledge and belief.

Note :

* Mention the license issuing authority.

* * Mention the date up to which the license is valid.

* * *Mention name of works for which tender is being submitted.

SECTION-III

SPECIAL CONDITION OF CONTRACT

SPECIAL CONDITION OF CONTRACT

1. The Associated Consultant shall carry out the work in accordance with the highest standard of professional and technical competency and integrity, having due regard to the nature and purpose of the assignment and to ensure that the staff assigned to perform the services under this agreement will conduct themselves in a manner consistent herewith.
2. The Associated Consultant shall indemnify the Corporation against any and all claims and / or demands of any nature brought against the Corporation arising out of the services by the Associated Consultant under this agreement during the pendency of the contract.
3. All knowledge and information not within the public domain which may be acquired during the course of carrying out this agreement shall be for all time and for all purposes be treated as strictly confidential by the Associated Consultant and their employees shall not directly or indirectly disclose to any person whatsoever except on the written permission of the "The Corporation / Client".
4. After the date of drawal of this contract agreement, in case if any change(s) occur in the applicable law with respect to taxes and duties and for which the cost of services rendered by the Associated Consultant increases or decreases then the remuneration and reimbursible expenses otherwise payable to the Associated Consultant shall be increased or decreased suitably after drawal of agreement between the parties.
5. The work shall be carried out by the Associated Consultant as per the latest guide lines and codal provisions for the work.
6. The Associated Consultant shall be fully responsible for the accuracy of data, study, analysis and reports submitted by them irrespective of the fact whether the same has been examined and accepted by the employer/ client or not.
7. The Client on request of the Associated Consultant may arrange to co-ordinate other government departments for obtaining specific information/data/views/maps and reports in connection with the project. The Associated Consultant will pursue client's correspondence till the desired object is made available.
8. The Associated Consultant is required to obtain necessary information, data, maps and reports etc. from client to carry out the work after thorough examination.
9. Any other fees/deposits required for collection of data from the Govt. organizations shall be borne by the Associated Consultant. No claim whatsoever shall be raised by the Associated Consultant on account of this.
10. The Associated Consultant is required to attend meetings at various levels for approval of the report / clearance of the work as the case may be and also comply any suggestions/comments made for the work at their cost.
11. The Associated Consultant will submit required number of hard copies and soft copies of the documents/reports prepared by them pertaining to the work.

12. The contract price and rate will be inclusive of all taxes and other duties etc. except GST as applicable and the contract price will remain firm and fixed during the consultancy period. No extra payment on account of price escalation will be payable to the Associated Consultant.
13. The contract price will be inclusive of all ancillary works necessary for carrying out the proposed work. No extra payment will be made to the Associated Consultant for the ancillary works/jobs.
14. The price of the Associated Consultant will be inclusive of all revision and modification works as and when required by the client.
15. The Associated Consultant will be fully responsible for safety of the work, property and workmen. The Associated Consultant will provide proper insurance coverage for the work and property against any damage due to natural calamities from the date of commencement till end of the work. So also, insurance coverage against possible accidents and personal injuries to workmen during the period of work shall be provided.
16. The Associated Consultant shall thoroughly inspect the work site and examine the working conditions, scope/Terms of Reference (ToR) and nature of work, activities required to be carried out at site for completion of the work and the difficulties involved in the work before submitting the quotation. No claim whatsoever shall be raised by the Associated Consultant on account of this.

Further any claim regarding non availability of any other information with them at the time of submitting tender will not be entertained by the Corporation.

SECTION-IV

GENERAL TERMS & CONDITIONS

GENERAL TERMS & CONDITIONS

1. DEFINITIONS:

- (I) "CORPORATION" means "ODISHA CONSTRUCTION CORPORATION LTD. ("OCCL" in short)" with registered office at Unit-8, Gopabandhu Nagar, Bhubaneswar-751012, Odisha, represented through its Managing Director or any other officer as designated by the "Corporation" from time to time.
- (II) "ENGINEER-IN-CHARGE" means the qualified engineer deployed by the "Corporation" for the work including Senior Manager (Civil), "OCCL".
- (III) "ASSOCIATED CONSULTANT" means the enlisted person/firm/ organization having professionals, staff, equipment and software etc. to execute the work satisfactorily as per scope indicated herein within stipulated period.
- (IV) "CLIENT" means the State Govt. or Central Govt. organization or any individual from whom "OCCL" has received the work for execution.

2. AGREEMENT

The "Associated Consultant" shall enter into an agreement in the format on requisite value of stamp paper prescribed for the purpose by the "Corporation" within a specified period failing which the EMD shall be forfeited & the work may be awarded in favour of some other agency by the Corporation.

3. RATE

The rate quoted by the Associated Consultant is to be indicated in Rupees, which shall be valid for the full period of execution or till completion of work whichever is later. No escalation or price variation in whatsoever form shall be entertained. The rates quoted by the "Associated Consultant" should be firm for the entire period of execution.

The "Associated Consultant" shall quote the rates to complete the works as per scope of works inclusive of all transportation, handling, taxes, duties, levies, incidental expenses etc. that will be applicable on the work to be executed by him. No claim in this regard in whatsoever form shall be entertained.

4. PAYMENT TERMS

- (i) No advance, price escalation and price adjustment shall be paid for the work. The rates shall remain firm throughout the agreement period.
- (ii) The payment to the "Associated Consultant" shall be as per the payment schedule.
- (iii) **The Associated Consultant will bear the full cost of modification or revision of works required as per direction of "Client" or "Corporation".**
- (iv) The payment to the "Associated Consultant" against any item/activity shall be released only after receipt of payment by the "Corporation" from the "Client" against respective item/activity as per payment schedule.
- (v) Any penalty levied by "Client" on "OCCL" due to delay in work will be borne by the "Associated Consultant" in full, if the "Associated Consultant" is responsible for such delay.

5. INITIAL SECURITY DEPOSIT (ISD)

The "Associated Consultant" shall deposit Initial Security Deposit (ISD) at the rate of 2 (Two) % of the accepted value on receipt of letter of intent/acceptance of work within a period of 7 days from the date of intimation but before execution of agreement. ISD shall be in shape of Demand Draft from any nationalized / scheduled bank to be drawn in favour of Odisha Construction Corporation Ltd., payable at Bhubaneswar. After receipt of ISD, the EMD received along with the tender shall be returned.

If the bidder desires, the EMD can be converted to ISD and the balance amount of ISD has to be deposited. If the "Associated Consultant" fails to deposit such Initial

Security within the stipulated date, the EMD of the “Associated Consultant” shall be forfeited and the work may be awarded in favour of some other agency by the “Corporation”.

6. PERFORMANCE SECURITY (PS)

The Performance Security (PS) at the rate of 5 (five) % shall be deducted on gross amount of each bill of the “Associated Consultant”. The security will be released after 12 (twelve) months of completion of the work or settlement of Final Bill of the “Associated Consultant” whichever is later. If no defect in the work is noticed and all disputes are settled, it will be released.

7. INCOME TAX, GST, OTHER TAXES, DUTIES, LEVIES ETC.

Income Tax @ 10% and surcharge at the prevailing rate from time to time will be deducted from each bill of the “Associated Consultant” and shall be deposited with Income Tax Authorities. Any other taxes, duties, levies etc as applicable from time to time shall also be deducted (except GST).

8. INDIAN STANDARD CODES AND SPECIFICATIONS

Indian Standard Codes & Specifications shall be followed for execution of the work.

9. WORKMEN COMPENSATION

In case of any loss due to accident arising during/in connection with execution of the contract, the “Associated Consultant” will pay compensation to his workmen. The “Associated Consultant” will be fully responsible for his workmen as per workmen’s Compensation Act and Labour Laws in force during entire period of execution of contract. In case, the “Associated Consultant” fails to do so, the “Corporation” may pay the same and recover the same from the bills/dues of the “Associated Consultant”.

10. STATUTORY REQUIREMENTS

The “Associated Consultant” shall comply all statutory requirements applicable for the work such as Minimum Wage Act, Labour Act, Factory Act, Workmen’s Compensation Act, Provident Fund rules, Employee’s State Insurance Rule etc.

11. MINIMUM AGE OF WORKMEN

The “Associated Consultant” shall not employ any person, who is below the age of 18 (eighteen) years or unfit for the tendered items.

12. LABOUR LICENSE

The “Associated Consultant” has to obtain valid labour license and maintain all records at his own cost as per the conditions laid down in the Labour rules in force and amended from time to time.

13. MINIMUM WAGE ACT

The “Associated Consultant” shall pay wages of each labourer at the rate not less than that fixed for such category as per Minimum Wages Act in force and as amended from time to time.

14. PROVIDENT FUND (PF)

Employees Provident Fund (EPF), wherever applicable, shall be paid by the “Associated Consultant” as per the prevailing Provident Fund rules in force. The associated consultant shall keep the “Corporation” indemnify for it. He should get EPF registration number for the labourers from the Regional Provident Fund Commissioner, Odisha.

15. WORKMEN INSURANCE

The insurance of all workmen shall be responsibility of the "Associated Consultant".

16. HUTMENTS/TEMPORARY ACCOMODATION

The "Associated Consultant" has to arrange hutments/temporary accommodations for his labourers / workmen at the work site and at his own cost.

17. IDLE STAFF/LABOURER

"OCCL" will not be held responsible for sitting idle of staff including labourers of the "Associated Consultant" for any reason, whatsoever and no claim on this account will be entertained.

18. CLAIMS AND LIABILITIES

All claims/ liabilities etc. arising out of Labour Laws shall be borne by the "Associated Consultant" and the associated consultant shall keep the "Corporation" indemnified against such claims along with injuries or death of labourer(s) resulting from accidents during the execution of the work. In case, if the "Corporation" will have to pay for any such claims under Workmen's Compensation Act, the same shall be adjusted from the pending bills/dues of the "Associated Consultant" or shall be recovered otherwise as per law from Associated Consultant.

19. SAFETY

The "Associated Consultant" should abide by the safety laws and rules of the statutory bodies, "Corporation" and owner.

20. SPLITTING UP A WORK

The authority reserves the right to split up a work amongst various "Associated Consultant" and increase or decrease the quantity of work mentioned in the quotation document without assigning any reason thereof and no claim whatsoever will be entertained on this account. The quantity as per agreement may also increase or decrease as per actual.

21. RESPONSIBILITY OF ASSOCIATED CONSULTANT

The work shall be completed by the "Associated Consultant" in all respect within the stipulated period of completion and the responsibilities of the "Associated Consultant" shall cease only, when the items are fully accepted by the client after completion of work.

22. PROGRESS OF WORK

The "Associated Consultant" shall achieve the desired progress as per programme. Time being essence of the contract, the progress should be at par with time elapsed.

23. BREACH OF CONTRACT

The performance security including EMD/ISD if any are liable to be forfeited in the event of breach of contract and the agreement shall be terminated.

24. SITE VISIT

The "Associated Consultant", interested to participate in the quotation/tender, should visit the site of work and get himself acquainted with site conditions before submitting the quotations/tenders.

25. DEVIATION OF PROVISIONS IN AGREEMENT

"Associated Consultant" shall not deviate from the provisions in the agreement without obtaining prior permission in writing from the "Corporation".

26. RIGHT OF THE “CORPORATION”

The “Corporation” reserves the right to cancel a particular tender call notice or quotation call notices without assigning any reason thereof. The items can be split among two or more bidders at any stage. The offer of any bidder or all bidders may be cancelled without assigning any reason thereof. The requirements shown in any tender call notice or quotation call notices are only indicative and may vary.

27. SUB-LETTING

The work under any agreement shall not be assigned or subletted to anybody by the “Associated Consultant”. However, he may at his liberty, engage other consultants for specialized works if any.

28. AUTHORIZED PERSONS

The “Associated Consultant” may in writing authorize his power of attorney holder or any other person to draw documents/materials, avail facilities and attend meetings etc. during the course of execution of work. All liabilities created by the authorized person of the “Associated Consultant” by way of loss of documents/materials drawn, amenities availed, unpaid wages created etc. shall be considered as the liabilities of the “Associated Consultant” and such liabilities shall be made good by the “Associated Consultant” or it shall be recovered from the bill/payment due to him.

29. EXECUTION OF EXTRA ITEMS AND EXTRA QUANTITIES

All extra items are to be executed by the “Associated Consultant” at mutually agreed rates. All extra quantities are to be executed at agreement rates. If required, “Associated Consultant” has to furnish the analysis as per actual to arrive at the rates of extra items.

30. FORCE MEASURE

Neither party shall be liable to the other for any loss or damage occurred by or arising out of acts of God such as unprecedented flood, volcanic eruption, earthquake or other convulsion of nature and other acts such as but not restricted to invasion, the act of foreign countries, hostilities, or war-like operation before or after declaration of work, rebellion, military or usurped power which prevent performance of the contract and which could not be foreseen or avoided by the prudent person.

31. JURISDICTION

For all liabilities created under various contractual obligations/impositions under this agreement, the “Associated Consultant” undertakes not to raise any dispute or litigations in connection therewith and shall make all endeavours to resolve all disputes amicably through conciliation and in all such cases, the decision of the Managing Director, “OCCL” shall be final and binding on the “Corporation” as well as on the “Associated Consultant”. Failing which all such disputes arising out of the agreement shall subject to jurisdiction of Hon’ble High Court of Odisha at Cuttack and their sub-ordinate courts at Bhubaneswar only. Both the parties agree by mutual consent that any dispute relating to this agreement is barred from Arbitration.

SECTION-V

SCOPE OF WORK
(TERMS OF REFERENCE)

Terms of Reference (TOR) for “Associated Consultant for providing Engineering Service for the work, “Distribution system of Ghatakeswar Multipurpose Project through Under Ground Pipe Line (UGPL) (Gravity Flow) along with Micro Irrigation System.

1. Surveys to be required for preparation of the Feasibility report shall be done by the Agency by making field visit to check the level at important nodes with reference to the bench mark data and conduct the block contour of alignment survey.
2. The Agency shall ensure that all the villages which have been proposed to be provided with irrigation facilities through flow irrigation in open channels under the concerned Project should also get water through piped irrigation. No villages should be left out.
3. As Pipe irrigation is being proposed, possibility of covering the possible uncovered areas in the upland & other areas may be explored in addition to the existing command area.
4. The general layout of pipe line network on village maps (1:3960) and preferably on 1:25000 / 1:50000 scale toposheets indicating the alignment of pipes to cover the entire command area should be shown.
5. The nodes along the pipe line alignment should be numbered; length of pipe or distance between nodes, diameter of pipes, head loss computation between different nodes, residual head available at each nodes, etc should be computed and shown in a separate sheet.
6. The location of outlets on the alignments of pipe line should be indicated alongwith the discharges of each out lets with area to be irrigated in the command area of the entire system.
7. The alignment of pipe line and diameter of pipes may be so fixed that the residual head available at each node is sufficient to generate required velocity at each outlet to ensure smooth flow of water to the fields.
8. Care must be taken to avoid involvement of forest land, building or any permanent establishments to the extent possible while identifying the general layout alignment of pipe line network.
9. River crossing, Railway crossing should also be avoided to the extent possible. Whenever it is not possible to avoid such crossing, suitable methods may be suggested.
10. The position of various kinds of valves such as air relief valves, scour valves, control valves non-return valves etc. to be provided along the alignment of pipe network may be suggested.
11. In case, pipes are to be laid in more than one row to carry the required discharge, the number of rows of pipes to be laid and distance between the different rows may be specified. In such a case, the location of direct outlets from each pipe and the location of direct sub-minors from each pipe and their off taking levels may be indicated.
12. If pumping is required to provide smooth irrigation in the proposed command area, the location of pump house along with details of pumping arrangement like the capacity of pump, number of pumps to be installed, extent of lift involved, etc. may be suggested to obtain sufficient pressure at various nodes for providing smooth irrigation.
13. The cost effectiveness of the project with its advantages and disadvantages over gravity flow irrigation on long term perspectives during the life period of the projects and the

concluding remarks may be indicated in the feasibility report. Current schedule of rates and prevailing market rates of materials & machinery be used in arriving at the estimated cost.

14. The bidder should contact the Senior Manager (Civil), OCCL, UGPL Projects, Rayagada / Superintending Engineer of Concerned Projects. for any information's or clarifications.

Scope of Work

(A) Preliminary Conceptual planning / Pre-feasibility study:

- a) Collection of available data from respective Divisions.
- b) Analyzing the Hydrological and hydraulic suitability.
- c) Analyzing the Headworks features and finalizing the command level for providing irrigation in topo map.
- d) Finalizing the duty for UGPL Irrigation.
- e) Survey of the terrain for developing general terrain model.
- f) Submission of pre-feasibility report.

(B) Topographical Survey & Investigation, UGPL planning & hydraulic Design:

- a) Collection of Bench Mark data and sanitizing the levels with reference to the hydraulic levels of the Head works.
- b) Obtaining the approval of the benchmark for deciding the command level from the concerned Superintending Engineer.
- c) Collection of village maps in the command level and digitizing.
- d) Command area survey by GPS/DGPS and Total station for the project.
- e) Joint verification of levels by departmental engineering, OCCL and consultant.
- f) Plotting of the 0.5 m interval contour map on village sheets.
- g) Marking the valley lines in the command area and drain lines.
- h) Marking of important features such as settlements, ponds, roads, forest areas, gochar lands etc.
- i) The design of piped Irrigation network (PIN) should be under taken as per guide line issued by Central Water Commission for piped irrigation network-2017 (source to outlet).
- j) Sanitizing the cultivable plot details fit for irrigation.
- k) Identification of about 1 Ha Sub-Chak suitable for irrigation (By summation of small size plots from ROR) taking proper care for contours.
- l) Identifying location for Block irrigation of about 10-30 Ha Chak / block and drawl of pipe line laterals up to 1 Ha.
- m) Hydraulic planning of the distribution network considering the minimum driving head at intake should be 1.2 meter and minimum effective head (i.e. HGL – GL) of 0.60 meter in normal cases for exit pressure at irrigation out let for flow irrigation and can take a

- minimum value not less than 0.3 meter in exceptional cases.
- n) Planning of isolation, scour, air valve locations and surge protection.
- o) Layout of Distributary main, Distributary sub-main, lift main / sub-main upto 10-30ha chak / block and laterals up to 1Ha sub- chak in contour map & cadastral map.
- p) Preparation of design statement & L.S of each distributary main / sub main / laterals up to 1Ha sub-chak.
- q) Planning of all horizontal and vertical curves, thrust blocks if any, longitudinal section, construction of temporary bench marks.
- r) Preparation of drawing of all Chak outlets and beneficiary list along with details of land and time of water distribution based on residual pressure.
- s) The Desilting arrangement is to be made as per Para 6.2 of guide line for planning & design of piped irrigation network-2017
- t) Design of inlet structure directly from Head works / canals.
- u) Design of all crossings, chambers, chak out let and other civil works on the distribution system
- v) Submission of Feasibility study report.

(C) Pani Panchayat (Preparation of beneficiary list booklet)

- a) Preparations of Pani Panchayat wise ayacut map showing the hydraulic boundary, chaka boundary with head /middle / tail chaka.
- b) Collection of ROR details of each 1Ha sub-chaka & 10-30ha chaka and preparation of beneficiary list.
- c) Preparation of ayacut Register
- d) Marking of levels on each plots for micro planning for providing irrigation up to 1ha each.
- e) Preparation of operational / rotational plan within chaka.
- f) Preparation of beneficiary list booklet (Pani Panchayat wise)

(D) Preparation of DPR

- a) Design, drawings of all structure, L.S / D.S of Distributary main / sub-main.
- b) Cost estimate
- c) Narration of project details:

DPR to be submitted for Distribution system of Ghatakeswar Multipurpose Project through Under Ground Pipe Line (UGPL).

(E) Design. Drawing, Reports, cost estimates & tech specification for OCCL bidding:

- a) Submission of all designs, drawings fit for construction for approval of competent authority with required hard and soft copies.
- b) Resurvey
- c) Preparation & submission of cost estimate.
- d) Preparation and submission of Technical specification for bidding by OCCL for construction.

(F) Support Service to OCCL during Construction period :

- a) Preparation & submission of working drawing for both –pipe network in distribution system & civil works.
- b) All re-surveying, and re-engineering works if any is required has to be done at no additional cost.
- c) The fixation of alignment, fixation of centre line pillars at all strategic locations of the pipe network for construction identification of all value chambers, horizontal & vertical curves thrust blocks are to be taken up.
- d) Verification of positions of respective outlet location
- e) Preparation & submission of revised D.S / L.S, design of as per field condition.
- f) All kinds of testing during construction period.

(G) Testing and Commissioning:

Testing and commissioning of all pipelines net work for hydraulic testing, residual testing, during stages of constructions in connection of respective Minor irrigations schemes/projects.

SECTION-VI

BILL OF QUANTITY

BILL OF QUANTITY

Name of the work- Providing Engineering Service for the work, "Distribution system of Ghatakeswar Multipurpose Project through Under Ground Pipe Line (UGPL) (Gravity Flow) along with Micro Irrigation System."

Tender Call Notice No. SM,UGPL,RGDA,OCCL- 06/2021-22

SI No.	Description of Item	Unit	Quantity	Quoted Rate per Ha. (in words) (in Rupee)	Quoted Amount (in words) (in Rupee)
1	<p>Detailed Engineering of Under Ground Pipe Line for Ghatakeswar Multipurpose Project in Ganjam District. Detailed Engineering consists of Survey and Investigation of the General Command Area to attain the Designed CCA. Prepare Contour maps @ 0.5 m interval on the relevant village sheets. Prepare the Board Conceptual Chak Planning, Layout Planning in village map based on RoR data. Detail Under Ground Pipe Line(UGPL) Hydraulic Design. Preparation of Pani Panchayat (Beneficiary list). Preparation of Detail Project Report. Preparation of Design, Drawing, Reports, cost estimate & technical specification for OCCL bidding. Support Service to OCCL during Construction period. Testing and Commissioning of laid pipe line after execution. Preparation of all relevant drawings upto 1 Ha Chak as per RoR details and based on the Hydraulics of Residual Head specified by the Client of OCCL. Preparation of longitudinal section(LS) of pipe line.</p> <p>The Detail Engineering has to be completed in all respects including Re-Engineering and vetting the design and drawings for approval by Client, issue Fit for Construction drawings for Successful Construction & Commissioning of the Irrigation Schemes through UGPL.</p>	1 Ha.	600		

Note : The tenderer will quote rate and amount in figures and rupees inclusive of all costs, expenses, overheads, taxes and duties (Excluding GST) in the space provided above.

BREAK-UP FORMAT

Name of the work- Providing Engineering Service for the work, "Distribution system of Ghatakeswar Multipurpose Project through Under Ground Pipe Line (UGPL) (Gravity Flow) along with Micro Irrigation System."

Tender Call Notice No. SM,UGPL,RGDA,OCCL- 06/2021-22

SI No.	Description of Item	Unit	Quantity	Quoted Rate (in words) (in Rupee)	Quoted Amount (in words) (in Rupee)
1	Topographical survey of the command area of the Ghatakeswar Multipurpose Project, Contour @ 0.5m interval plotted on village sheets.	1 Ha.	600		
2	Conceptual Chak planning on the village Map based on RoR data.	1 Ha.	600		
3	Underground pipe line Hydraulic Design	1 Ha.	600		
4	Pani Panchayat (Beneficiary list)	1 Ha.	600		
5	Preparation of DPR	1 Ha.	600		
6	Design, Drawing, Reports, Cost estimate, & technical specification for OCCL bidding.	1 Ha.	600		
7	Support Service to OCCL during Construction period, such as showing & fixation of all pipe alignment and all valves location and all outlet location during construction period.	1 Ha.	600		
8	Testing and Commissioning	1 Ha.	600		
Total					