

KRWSA/RPMU-IDK/B-I/KDPLM GP/IRP-REP/W-5/QTN-1 DTD 12-6-2018

W-5

JALANIDHI-II PROJECT
PROCUREMENT OF CIVIL WORKS
UNDER
NATIONAL SHOPPING PROCEDURES

(For Works valued less than equivalent of \$ 100,000 each)

JALANIDHI WATER SUPPLY SCHEME
Repair and Maintenance of IRP and Pressure Sand
Filter and dismantling, shifting if necessary for 9 BG's
of Kadaplamattom GP-Kottayam District, Kerala
www.jalanidhi.kerala.gov.in



INVITATION FOR QUOTATIONS FOR REPAIR AND Maintenance of IRP and Pressure Sand Filter and dismantling and shifting if necessary for 9 Beneficiary Groups of KADAPLAMATTOM GP CIVIL WORKS UNDER SHOPPING PROCEDURES

To

M/s (Name of Agency)

Dear Sirs,

Sub: INVITATION FOR QUOTATIONS FOR Repair and Maintenance of IRP AND Pressure Sand Filter and dismantling, shifting if necessary for 9 BG,s of Kadaplamattom GP

1. You are invited to submit your most competitive quotation for the following works:-

Brief Description Of the Works	Approximate value of Works (Rs.)	EMD	Period of Completion
Repair and Maintenance of IRP AND Pressure Sand Filter And dismantling and shifting if necessary for 9 BG,s of Kadaplamattom GP	Rs 10/-lakhs	Rs 10000/-	Two Months

2. Government of India has applied /received a credit from the International Development Association (IDA) in various currencies equivalent to US\$ /Rs 1022 Crore towards the cost of the JALANIDHI II and intends to apply part of the proceeds of this credit to eligible payments under the contract for which this invitation for quotations is issued.
3. The above project in Kerala State is being implemented by Kerala Rural Water Supply & Sanitation Agency (KRWSA), which is an autonomous society registered under the Societies Registration Act.
4. To assist you in the preparation of your quotation, we are enclosing the following :
- Detailed Bill of Quantities, with estimated rates and prices;
 - Technical Specifications;
 - Instructions to Bidders (in two sections).
 - Draft Contract Agreement format which will be used for finalizing the agreement for this Contract.
5. You are requested to provide your offer latest on or before.....23/6/201812 pm.....
6. Quotations will be opened in the presence of Bidders or their representatives who choose to attend atGP hall-roof top- GP office buliding...on 23/06/18 ,3 pm
7. We look forward to receiving your quotations and thank you for your interest in this project.

(Employer)

Name: President/Secretary of ...KADAPLAMATTOM, JALANIDHI FEDERATION
...Kadaplamattom..... GP
...Kadaplamattom PO: 686571
PH: 9447104757,9745926034,8281112095



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Instructions to Bidders

SECTION - A

1. Scope of Works

The President/Secretary of ...KADAPLAMATTOM,JALANIDHI
FEDERATION, (REG-No . KTM/TC/11/2014)Kadaplamattom -PO,Kottayam
Dt PIN-686571.....(Employer) invites quotations for the construction of
 works as detailed in the table given below

Brief Description of the Works	Approximate value of Works (Rs.)	EMD	Period of Completion
Repair and Maintenance of IRP AND Pressure Sand Filterand dismantling, shifting if necessary for 9 BG,s of Kadaplamattom GP	Rs 10 lakh Rs 10000/-		60 days

The successful bidder will be expected to complete the works by the intended completion date specified above.

2. Qualification of the bidder : The bidder shall provide qualification information which shall include :-

- the total monetary value of construction works performed for each year of last 3 years :
- Report on his financial standing; and
- Details of any litigation, current or during the last 3 years in which the bidder is involved, the parties concerned and disputed amount in each case.

3. To qualify for award of the contract the bidder:-



- (a) should have satisfactorily completed as a prime contractor at least one similar work of value not less than Rs. 500,000 in the last three years
- (b) should possess valid electrical license for executing building electrification works (in the event of the works being sub - contracted, the sub-contractor should have the necessary license);
- (c) should possess required valid contract registration from appropriate authority OR Reputed firms with GST Registration(State Water Authority / PHED etc) for executing the water supply/sanitary works (in the event of the works being sub-contracted, the sub-contractor should have the necessary license);

4. Bid Price

- a) The contract shall be for the whole works as described in the Bill of quantities, drawings and technical specifications. Corrections, if any, shall be made by crossing out, initialing, dating and re writing.
- b) **All duties, taxes and other levies (GST etc) payable by the contractor under the contract shall be included in the total price.**
- c) The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
- d) The rates should be quoted in Indian Rupees only.

5. Submission of Quotations

- 5.1 The bidder is advised to visit the site of works at his own expense and obtain all information that may be necessary for preparing the quotation.
- 5.2 Each bidder shall submit only one quotation.
- 5.3 The quotation submitted by the bidder shall comprise the following :-
 - (a) Quotation in the format given in Section B.
 - (b) Signed Bill of Quantities ; and
 - (c) Qualification information form given in Section B duly completed.
- 5.4 The bidder shall seal the quotation in an envelope addressed to the ...The President/Secretary,(Jophi Jose, Chudelikkattu House) Kadaplamattom Jalanidhi



Federation, Kadaplamattom PO, Kottayam Dt, Pin-686571 (Purchaser). The envelope will also bear the following identification :-

Quotation for ... Repair and
Maintenance of IRP AND Pressure Sand Filter
And dismantling, shifting if necessary
for 9 BG,s of Kadaplamattom GP

- (Name of the Contract)
- Do not open before ... 23/06/2018, 3 pm at GP Hall (time and date of quotation opening).

5.5 Quotations must be received in the office of the The President/Secretary, (Jophi Jose, Chudelikkattu House-mob 9447104757) Kadaplamattom Jalanidhi ^{BC} Federation, Kadaplamattom PO, Kottayam Dt, Pin-686571 (Purchaser) Or by registered post/by hand to the above address not later than 23-6-2018, 12 pm (on or before). Also quotation can submit at Jalanidhi RPMU-Idukki office- Thodupuzha, Bhurananganam Jalanidhi GPST office. Contact No. 9447104757, 9745926034, 8281112095 not later than 23-6-2018, 12 pm (on or before) and If the specified date is declared a holiday, quotations shall be opened on the appointed time on the next working day.

5.6 Any quotation received by the President/Secretary of Jalanidhi BG Federation KADAPLAMATTOM (Employer) after the deadline for submission of quotations will be rejected and returned unopened to the bidder.

5.6a The bidder shall submit an EMD for an amount of Rs 10,000/- (either a bank guarantee or a bank draft in favor of the President/Secretary, Kadaplamattom Jalanidhi Federation Kadaplamattom P.O... KOTTAYAM-686571..... (Employer) payable at Federal Bank, Kadaplamattom Br, Kottayam -686571..... . The EMD shall be valid till the period of Validity, specified in clause 6.

6. Validity of Quotation

Quotation shall remain valid for a period not less than 30 days after the deadline date specified for submission.

7. Opening of Quotations

Quotations will be opened in the presence of bidders or their representatives who choose to attend on the date and time and at the place specified in the letter of invitation.

8. Information relating to evaluation of quotations and recommendations for the award of contract shall not be disclosed to bidders or any other persons not officially concerned with the process until the award to the successful bidder is announced.



9. Evaluation of Quotations

The Employer will evaluate and compare the quotations determined to be substantially responsive i.e. which

- (a) meet the qualification criteria specified in clause 3 above;
- (b) are properly signed ; and
- (c) conform to the terms and conditions, specifications and drawings without material deviations.

10. Award of contract

The Employer will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price and who meets the specified qualification criteria.

- 10.1 Notwithstanding the above, the Employer reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.
- 10.2 The bidder whose bid is accepted will be notified of the award of contract by the Employer prior to expiration of the quotation validity period.

11. Performance Security

Within 7 days of receiving letter of acceptance, the successful bidder shall deliver to the performance security (either a bank guarantee or a bank draft in favour of the President/Secretary of Kadaplamattom Jalanidhi Federation (Reg No KTM/TC/11/2014) Kadaplamattom PO, Kottayam-686571.... SLEC..... GP (Employer) for an amount of 3% OF Contract Amount. The Performance Security shall be valid till the period of maintenance , specified in clause 12.

12. Period of Maintenance/Defect liability period :

The "Period of Maintenance" for the work is one year from the date of commissioning. During the period of maintenance, the contractor will be responsible for rectifying any defects in construction free of cost to the Employer.

- 13. Purchase of all construction materials including cement and steel as per the specifications (ISI certification marked goods wherever available) shall be the responsibility of the contractor.




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SECTION - B

1. **Format for Qualification Information.**
2. **Format for Submission of Quotation.**
3. **Format of Letter of Acceptance.**



QUALIFICATION INFORMATION

1 For Individual Bidders

1.1 Principal place of business: _____

Power of attorney of signatory of Quotation.
[Attach copy]

1.2 Total value of Civil Engineering construction work performed in the last three years (in Rs. Lakhs)

2017	_____
2016	_____
2015	_____

1.3 Work performed as prime contractor (in the same name) on works of a similar nature over the last three years.

<u>Project Name</u>	<u>Name of Employer</u>	<u>Description of work</u>	<u>Contract No.</u>	<u>Value of contract (Rs.Lakhs)</u>	<u>Date of issue of work order</u>	<u>Stipulated period of completion</u>	<u>Actual date of completion</u>	<u>Remarks explaining reasons for delay and work completed</u>
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1.
2.
3.

Existing commitments and on-going works:

<u>Description of Work</u>	<u>Place & State</u>	<u>Contract No. & Date</u>	<u>Value of Contract (Rs. Lakh)</u>	<u>Stipulated period of completion</u>	<u>Value of works* remaining to be completed (Rs. Lakhs)</u>	<u>Anticipated date of completion</u>
(1)	(2)	(3)	(4)	(5)	(6)	(7)

1.
2.
3.

* Enclose a certificate from Engineer concerned.



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1.4 Proposed subcontracts and firms involved.

Sections of the works	Value of Sub-contract	Sub-contractor (name & address)	Experience in similar work
1.			
2.			
3.			

1.5 Evidence of access to financial resources to meet the requirements of working capital : cash in hand, lines of credit, etc. List them below and attach copies of support documents.

1.6 Name, address, and telephone, telex, and fax numbers of the Bidders' bankers who may provide references if contacted by the Employer.

1.7 Information on litigation history in which the Bidder is involved.

Other party(ies)	Employer	Cause of dispute	Amount involved	Remarks showing present status
1.				
2.				
3.				



QUOTATION

*

Description of the Works : Repair and Maintenance of IRP AND Pressure Sand Filter and dismantling and shifting if necessary for 9 BG,s of Kadaplamattom GP

To:

The President/Secretary of KADAPLAMATTOM JALANIDHI
FEDERATION,Kadaplamattom-PO KOTTAYAM-686571

Subject : Repair and
Maintenance of IRP AND Pressure Sand Filter and dismantling and shifting if necessary
for 9 BG,s of Kadaplamattom GP

Reference : Letter No.....dated.....from.....

Sir,

We offer to execute the Works described in your letter referred to above in accordance with the Conditions of Contract enclosed therewith for a total Contract Price of -

Rs.** _____ [in figures]
Rs. _____ [in words].

This quotation and your written acceptance of it shall constitute a binding contract between us. We understand that you are not bound to accept the lowest or any quotation you receive.

We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery.

We hereby confirm that this quotation is valid for 30 days as required in Clause 6 of the Instructions to Bidders.

Yours faithfully,

Authorized Signature : Date: _____

Name & Title of Signatory : _____
Name of Bidder : _____
Address : _____



- * To be filled in by the Employer before issue of the Letter of Invitation.
- ** To be filled in by the Bidder, together with his particulars and date of submission at the bottom of this Form.



**LETTER OF ACCEPTANCE
CUM NOTICE TO PROCEED WITH THE WORK**

(LETTERHEAD OF THE EMPLOYER)

Dated : _____

To : _____ M/s Agency _____ [Name and address of the Contractor]

Dear Sirs,

This is to notify you that your Quotation dated _____ for execution of the _____ for the contract price of Rupees _____ [amount in words and figures], is hereby accepted by us.

You are hereby requested to furnish performance security for an amount of 3% of Contract Amount/- within 7 days of the receipt of the letter. The Performance Security in the form of Bank guarantee or a Bank draft in favour of The President/Secretary of Kadaplamattom Jalanidhi Federation(RegNo KTM/TC/11/2014)Kadaplamattom PO Kottavam-686571(Employer) shall be valid till 28 days beyond the expiry of the period of maintenance i.e. upto Failure to furnish the Performance Security will entail cancellation of the award of contract.

You are also requested to sign the agreement form and proceed with the work not later than _____ under the instructions of the Engineer, _____ and ensure its completion within the contract period.

With the issuance of this acceptance letter and your furnishing the Performance Security, contract for the above said work stands concluded.

Yours faithfully,



Authorized Signature
President/Secretary of GP
Name and title of Signatory

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Draft Agreement form for Construction through National Shopping

ARTICLES OF AGREEMENT

This deed of agreement is made in the form of agreement on _____ day _____ month _____ 2018, between the President/Secretary of Kadaplamattom Jalanidhi Federation(Reg NoKTM/TC/11/2014) Kadaplamattom PO,Kottayam-686571..... or his authorized representative (hereinafter referred to as the first party) and _____ (Name of the Contractor), S/O _____ resident of _____ (hereinafter referred to as the second party), to execute the work of construction of _____ (hereinafter referred to as works) on the following terms and conditions.

2. Cost of the Contract

The total cost of the works (hereinafter referred to as the "total cost") is Rs. _____ as reflected in Annexure - 1.

3.1 Payments under its contract:

Payments to the second party for the construction work will be released by the first party in the following manner :-

Interim payments	Against Running Bills	On Completion and Successful commissioning of the work 80% of contract amount
Retention amount	10% from each bill subjected to a maximum of 10 % of contract price.	On completion of whole of the work, half the total amount retained is repaid and half when the defect liability period has passed and Engineer have certified that all the defects have been corrected before the end of defect liability period.
Final payment	Specify 80% OF Payment on supply and installation of treatment plant ,remaining 20% will be released on completion of defect liability period only after satisfactory performance of the unit	On completion of physical components and successful commissioning based on completion report duly authenticated by technical consultant / CQM/Project Commissioner ,together with Water quality test Report from KWA & certificate of Concerned BG's, BG



		federation.
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3.2 Payments (Interim and Final) at each stage will be made by the first party to the second party subject to the following :

- (a) on submitting an RA Bill of an equivalent amount;
- (b) on certification of the Bill by the SO/GPAT engineer/Project Commissioner with respect to quality of the work in the format in Annexure 2 duly vetted by the Project Commissioner of GPST with the request/certificate of concerned BG's ,BG federation etc.
- (c) upon proper and justified utilization of at least 50 % of the previous installment and 100 % of any prior installment.

4. Notice by Contractor to Engineer

The second party, on the works reaching each stage of construction, issue a notice to the first party or the Engineer nominated by the first party (who is responsible for supervising the contractor, administering the contract, certifying the payments due to the contractor, issuing and valuing variations to the contract, awarding extensions of time etc.), to visit the site for certification of stage completion. Within 10 days of the receipt of such notice, the first party or the engineer nominated by it, will ensure issue of stage completion certificate after due verification.

5. Completion time

The works should be completed in ...60..... days from the date of this Agreement. In exceptional circumstances, the time period stated in this clause may be extended in writing by mutual consent of both the parties.

6. If any of the compensation events mentioned below would prevent the work being completed by the intended completion date, the first party will decide on the intended completion date being extended by a suitable period :

- a) The first party does not give access to the site or a part thereof by the agreed period.
- b) The first party orders a delay or does not issue completed drawings, specifications or instructions for execution of the work on time.



- c) Ground conditions are substantially more adverse than could reasonably have been assumed before issue of letter of acceptance and from information provided to second party or from visual inspection of the site.
 - d) Payments due to the second party are delayed without reason.
 - e) Certification for stage completion of the work is delayed unreasonably.
7. Any willful delay on the part of the second party in completing the construction within the stipulated period will render him liable to pay liquidated damages. @ Rs. * 500/- per day which will be deducted from payments due to him. The first party may cancel the contract and take recourse to such other action as deemed appropriate once the total amount of liquidated damages exceeds 2 % of the contract amount.

(Note : The amount of liquidated damages per day should be determined at 0.05 % of the contract value of the works and indicated here).

8. Duties and responsibilities of the first party

- 8.1 The first party shall be responsible for providing regular and frequent supervision and guidance to the second party for carrying out the works as per specifications. This will include written guidelines and regular site visit of the authorized personnel of the first party, for checking quality of material and construction to ensure that it is as per the norms.
- 8.2 The first party shall supply 3 sets of drawings, specifications and guidelines to the second party for the proposed works.
- 8.3 Possession of the site will be handed over to the second party within 10 days of signing of the agreement.
- 8.4 The Engineer or such other person as may be authorized by the first party shall hold meeting once in a month where the second party or his representative at site will submit the latest information including progress report and difficulties if any, in the execution of the work. The whole team may jointly inspect the site on a particular day to take stock of activities.
- 8.5 The Engineer shall record his observations/instructions at the time of his site visit in a Site Register maintained by the second party. The second party will carry out the instructions and promptly rectify any deviations pointed out by the engineer. If the deviations are not rectified, within the time specified in the Engineer's notice, the first party as well as the engineer nominated by it, may instruct stoppage or suspension of

the construction. It shall thereupon be open to the first party or the engineer to have the deviations rectified at the cost of the second party.

9. Duties and responsibilities of the second party

9.1 The second party shall :

- a) take up the works and arrange for its completion within the time period stipulated in clause 5;
- b) employ suitable skilled persons to carry out the works ;
- c) regularly supervise and monitor the progress of work ;
- d) abide by the technical suggestions / direction of supervisory personnel including engineers etc. regarding building construction ;
- e) be responsible for bringing any discrepancy to the notice of the representative of the first party and seek necessary clarification ;
- f) ensure that the work is carried out in accordance with specifications, drawings and within the total of the contract amount without any cost escalation ;
- g) keep the first party informed about the progress of work ;
- h) be responsible for all security and watch and ward arrangements at site till handing over of the building to the first party ; and
- i) maintain necessary insurance against loss of materials/cash, etc. or workman disability compensation claims of the personnel deployed on the works as well as third party claims.
- f) Pay all duties, taxes and other levies payable by construction agencies as per law under the contract (First party will effect deduction from running bills in respect of such taxes as may be imposed under the law).

10. Variations / Extra Items

The works shall be carried out by the second party in accordance with the approved drawings and specifications. However, if, on account of site conditions or any other factors, variations are considered necessary, the following procedure shall be followed:-

- a) The second party shall provide the Engineer with a quotation for carrying out the Variation when requested to do so by the Engineer. The Engineer shall assess the quotation, which shall be given within seven days of the request before the Variation is ordered.



- b) If the quotation given by the second party is unreasonable, the Engineer may order the Variation and make a change to the Contract Price which shall be based on Engineer's own forecast of the effects of the Variation on the Contractor's costs.
- c) The second party shall not be entitled to additional payment for costs which could have been avoided by giving early warning.

11. Securities

The Performance Security shall be provided to the Employer no later than the date specified in the Letter of Acceptance and shall be issued in an amount and form and by a bank or surety acceptable to the Employer. The Performance Security shall be valid until a date 28 days from the date of issue of the Certificate of Completion in the case of a Bank Guarantee.

12. Termination

- 12.1 The Employer may terminate the Contract if the other party causes a fundamental breach of the Contract.
- 12.2 Fundamental breaches of Contract include, but shall not be limited to the following:
 - (a) the contractor stops work for 15 days and the stoppage has not been authorized by the Engineer;
 - (b) the Contractor has become bankrupt or goes into liquidation other than for a reconstruction or amalgamation;
 - (c) the Engineer gives Notice that failure to correct a particular Defect is a fundamental breach of Contract and the Contractor fails to correct it within a reasonable period of time determined by the Engineer;
 - (d) the Contractor does not maintain a security which is required;
- 12.3 Notwithstanding the above, the Employer may terminate the Contract for convenience.
- 12.4 If the Contract is terminated the Contractor shall stop work immediately, make the Site safe and secure and leave the Site as soon as reasonably possible.

13. Payment upon Termination



- 13.1 If the Contract is terminated because of a fundamental breach of Contract by the Contractor, the Engineer shall issue a certificate for the value of the work done less advance payments received up to the date of the issue of the certificate, less other recoveries due in terms of the contract, less taxes due to be deducted at source as per applicable law.
- 13.2 If the Contract is terminated at the Employer's convenience, the Engineer shall issue a certificate for the value of the work done, the reasonable cost of removal of Equipment, repatriation of the Contractor's personnel employed solely on the Works, and the Contractor's costs of protecting and securing the Works and less advance payments received up to the date of the certificate, less other recoveries due in terms of the contract and less taxes due to be deducted at source as per applicable law.

14. Dispute settlement

If over the works, any dispute arises between the two parties, relating to any aspects of this Agreement, the parties shall first attempt to settle the dispute through mutual and amicable consultation within the purview of the agreement.

In the event of agreement not being reached, the matter will be referred for arbitration by a Sole Arbitrator not below the level of retired Superintending Engineer to be appointed by the first party. The Arbitration will be conducted in accordance with the Arbitration and Conciliation Act, 1996. The decision of the Arbitrator shall be final and binding on both the parties.

Other Conditions.

1. The Contractor must ensure a minimum guarantee period of one year from the date of commissioning for the satisfactory performance of the plant as per CPHEEO Norms and should ensure Minimum 4 site visits to the BG,s during the guarantee period to support the BGs regarding O&M of the plant
2. Annual Maintenance Contract for the plant after guarantee period may be quoted optionally with terms and conditions
3. The bidder shall support all technical parameters of all items supplied with necessary brochures, ISI CERTIFICATES, efficiency curve for pump set ETC while submitting quotations. All items supplied shall be of ISI standard
4. GST Registration certificate shall be produced



[Handwritten signature]

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BILL OF QUANTITIES

Appendix-1 JEEVADHARA -BG Capacity -24 m3 per day with Operating Head of 85.92 m

Sl.No.	Description of Work	Qty.	Unit	Quoted		Amount
				Rate In figure (Rs.)	In Words	



1	<p>Dismantling the existing IRP installed in the mentioned Scheme from the foundation including removing the filter media of the unit and stacking conveniently, dismantling the valves ,specials etc without causing any damage to the components and parts of the unit and making up the pumping main by using suitable size and class pipe and specials etc complete as per direction from Departmental Officers</p>					
2	<p>Conveying the filter vessels ,valves ,media etc complete from the source site to the tank site or any suitable place within the scheme including loading conveying unloading etc complete without causing any damage to the material cleaning and painting the vessels using suitable paint erecting the IRP AND PSF Plant on suitable concrete foundation washing, sieving drying the supporting media of IRP and PSF and replacing inside the vessel ,supplying additional quantity of supporting media if required .Supplying full quantity of fresh filter media (puroliteMZ10)FOR IRP and Graded Sand and Anthracite for PSF and fixing the frontal pipes and valves to suit the pumping line with bye pass arrangements and providing wash water pipeline to suitable disposal course/pit including suitable repainting</p>					



	The work include cost of replacement of damaged parts ,valves etc if any making good for trial run and commissioning of the units testing the quality of treated water to the satisfaction of Beneficiary group and Departmental officers as per CPHEEO Manuel					
3	Supplying and Fitting Online CHLORINE DOZER HAVING REQUIRED PRESSURE RATING AND CAPACITY OF THE Scheme including supplying storage tank for solution etc complete 1SET					



BILL OF QUANTITIES

Appendix-2 – KABANI BG CAPACITY -48M3 PER DAY with operating head of 88.04m

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Sl No.	Description of Work	Qty.	Unit	Quoted Rate		Amount
				In figure (Rs.)	In Words	
1	Dismantling the IRP installed in the mentioned Scheme from Source site from the foundation including removing the filter media from inside the unit and stacking conveniently, dismantling the valves ,specials etc without causing any damage to the components and parts of the unit and making up the pumping main by using suitable size and class pipe and specials etc complete as per direction from Departmental Officers 1SET					



<p>Conveying the filter vessels ,valves ,media etc complete from the source site to the tank site or any suitable place within the scheme including loading conveying unloading etc complete without causing any damage to the material cleaning and painting the vessels using suitable paint erecting the IRP AND PSF Plant on suitable concrete foundation washing, sieving drying the supporting media of IRP and PSF and replacing inside the vessel ,supplying additional quantity of supporting media if required .Supplying full quantity of fresh filter media (puroliteMZ10)FOR IRP and Graded Sand and Anthracite for PSF and fixing the frontal pipes and valves to suit the pumping line with bye pass arrangements and providing wash water pipeline to suitable disposal course/pit</p> <p>The work include cost of replacement of damaged parts if any making good for trialrun and commissioning of the units testing the quality of treated water to the satisfaction of Beneficiary group and Departmental officers asper CPHEEO Manuel</p>						
<p>Supplying and fitting Online CHLORINE DOZER pump having required pressure rating and capacity of the Scheme including supplying storage tank for solution etc complete</p> <p>1SET</p>						



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BILL OF QUANTITIES**Appendix-3 –NILA BGCAPACITY -18M3 PER DAY with operating head of 130.23m**

Sl.No.	Description of Work	Qty.	Unit	Quoted		Amount
				Rate In figure (Rs.)	In Words	
1	Cleaning and painting the IRP and PSF vessels using suitable paint washing, sieving drying the supporting media of IRP and PSF and replacing inside the vessel, supplying additional quantity of supporting media if required. Supplying full quantity of fresh filter media (puroliteMZ10) FOR IRP and Graded Sand and Anthracite for PSF and fixing the frontal pipes and valves to suit the pumping line with bye pass arrangements and providing wash water pipeline to suitable disposal course/pit. The work include cost of filter media replacement of damaged parts if any making good for trial run and commissioning of the units testing the quality of treated water to the satisfaction of Beneficiary group and Departmental officers as per CPHEEO Manual					
3	Supplying and fitting online Chlorine Dozer having required pressure rating and capacity of the Scheme including supplying storage tank for solution etc complete 1SET					



BILL OF QUANTITIES**Appendix-4 – PRIYADARSHINI - BG CAPACITY -26M3 PER DAY with operating head of 86.85m**

Sl.No.	Description of Work	Qty.	Unit	Quoted		Amount
				In figure (Rs.)	In Words	
1	Cleaning and painting the IRP and PSF vessels using suitable paint washing, sieving drying the supporting media of IRP and PSF and replacing inside the vessel, supplying additional quantity of supporting media if required. Supplying full quantity of fresh filter media (purolite MZ10) FOR IRP and Graded Sand and Anthracite for PSF and fixing the frontal pipes and valves to suit the pumping line with bypass arrangements and providing wash water pipeline to suitable disposal course/pit. The work include cost of replacement of damaged parts if any making good for trial run and commissioning of the units testing the quality of treated water to the satisfaction of Beneficiary group and Departmental officers as per CPHEEO Manual.					
2	Supplying and Fitting online CHLORINE DOZER Pump having required Pressure rating and Capacity of the Scheme including Supplying storage tank for solution storage etc complete 1SET					
3	Supplying and Fitting submersible motor pumpset as Feeder Pump to the PSF AND IRP having required Discharge and Head suitable for the Scheme and Filter unit including Supplying and Fitting all Electrical accessories such as Standard Panel Board, main switch, Starter etc and connecting to the PSF WITH REQUIRED PIPES, VALVES Etc complete and taking Trial run for minimum 7days					



4	Supplying and Fitting online vertical booster pump having required Discharge and Head suitable for the scheme and Filter unit ,connecting to the delivery line of IRP WITH PROVISION FOR BYE PASS ARRANGEMENTS Including Supplying and Fitting all Electrical ,Plumbing accessories such as Standard Panel Board ,main switch ,starter, valves, pipes etc and taking satisfactory Trial Run for minimum 7days					



BILL OF QUANTITIES**Appendix-5 VARSHA -BG Capacity-32.0m³ per day with operating head of 62.75m**

Sl. No.	Description of Work	Qty	Unit	Quoted Rate		Amount
				In figure (Rs.)	In Words	
1	Dismantling the IRP installed in the mentioned Scheme from Source site from the foundation including removing the filter media from inside the unit and stacking conveniently, dismantling the valves ,specials etc without causing any damage to the components and parts of the unit and making up the pumping main by using suitable size and class pipe and specials etc complete as per direction from Departmental Officers					



<p>Conveying the filter vessels ,valves ,media etc complete from the source site to the tank site on any suitable place within the scheme including loading conveying unloading etc complete without causing any damage to the material cleaning and painting the vessels using suitable paint erecting the IRP AND PSF Plant on suitable concrete foundation washing, sieving drying the supporting media of IRP and PSF and replacing inside the vessel supplying additional quantity of supporting media if required .Supplying full quantity of fresh filter media (puroliteMZ10)FOR IRP and Graded Sand and Anthracite for PSF and fixing the frontal pipes and valves to suit the pumping line with bye pass arrangements and providing wash water pipeline to suitable disposal course/pit</p>					
<p>The work include cost of replacement of damaged parts if any making good for trial run and commissioning of the units testing the quality of treated water to the satisfaction of Beneficiary group and Departmental officers as per CPHEEO Manuel</p>					



Supplying and Fitting Online CHLORINE DOZER PUMP HAVING REQUIRED PRESSURE RATING AND CAPACITY OF THE Scheme including supplying storage tank for solution storage etc complete 1SET



NSP/CW

BILL OF QUANTITIES

Appendix-6 SOUPARNIKA-BGCapacity 20m3 per day with operating head of152.9m

Sl.No	Description of Work	Qty.	Unit	Quoted Rate		Amount
				In figure (Rs.)	In Words	
1	<p>Cleaning and painting theIRP and PSF vessels using suitable paint washing, sieving drying the supporting media of IRP and PSF and replacing inside the vessel ,supplying additional quantity of supporting media if required .Supplying full quantity of fresh filter media (puroliteMZ10)FOR IRP and Graded Sand and Anthracite for PSF and fixing the frontal pipes and valves to suit the pumping line with bye pass arrangements and providing wash water pipeline to suitable disposal course/pit</p> <p>The work include cost of replacement of damaged parts if any making good for trial run and commissioning of the units testing the quality of treated water to the satisfaction of Beneficiary group and Departmental officers as per CPHEEO Manual</p>					
	<p>Supplying and Fitting online CHLORINE DOZER Pump having required Pressure rating and Capacity of the Scheme including Supplying storage tank for solution storage etc complete</p> <p>1SET</p>					

BILL OF QUANTITIES

Appendix-7 JANAMYTHRI -BGCAPACITY -22M3 PER DAY WITH OPERATING HEAD OF 107.73

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Appendix-8 SOUHRUDAYA –BG CAPACITY 36M3 PER DAY with operating head of 87.07m

Sl. No.	Description of Work	Qty.	Unit	Quoted Rate		Amount
				In figure (Rs.)	In Words	
	Dismantling the IRP installed in the mentioned Scheme from Source site from the foundation including removing the filter media from inside the unit and stacking conveniently, dismantling the valves ,specials etc without causing any damage to the components and parts of the unit and making up the pumping main by using suitable size and class pipe and specials etc complete as per direction from Departmental Officers					



<p>Conveying the filter vessels ,valves ,media etc complete from the source site to the tank site or any suitable place within the scheme including loading conveying unloading etc complete without causing any damage to the material cleaning and painting the vessels using suitable paint erecting the IRP AND PSF Plant on suitable concrete foundation washing, sieving drying the supporting media of IRP and PSF and replacing inside the vessel ,supplying additional quantity of supporting media if required .Supplying full quantity of fresh filter media (puroliteMZ10)FOR IRP and Graded Sand and Anthracite for PSF and fixing the frontal pipes and valves to suit the pumping line with bye pass arrangements and providing wash water pipeline to suitable disposal course/pit</p>					
<p>The work include cost of replacement of damaged parts if any making good for trial run and commissioning of the units testing the quality of treated water to the satisfaction of Beneficiary group and Departmental officers as per CPHEEO Manuel</p>					



Supplying and Fitting Online CHLORINE DOZER PUMP HAVING REQUIRED PRESSURE RATING AND CAPACITY OF THE Scheme including supplying storage tank for solution storage etc complete 1SET



NSP/CW



BILL OF QUANTITIES

Appendix-9 GANGOTHRI -Bgcapacity -26m3per day with operating head of 87.31

Sl. No	Description of Work	Qty.	Unit	Quoted Rate		Amount
				In figure (Rs.)	In Words	
	Dismantling the IRP installed in the mentioned Scheme from Source site from the foundation including removing the filter media from inside the unit and stacking conveniently, dismantling the valves ,specials etc without causing any damage to the components and parts of the unit and making up the pumping main by using suitable size and class pipe and specials etc complete as per direction from Departmental Officers					



<p>Conveying the filter vessels ,valves ,media etc complete from the source site to the tank site or any suitable place within the scheme including loading conveying unloading etc complete without causing any damage to the material cleaning and painting the vessels using suitable paint erecting the IRP AND PSF Plant on suitable concrete foundation washing, sieving drying the supporting media of IRP and PSF and replacing inside the vessel ,supplying additional quantity of supporting media if required .Supplying full quantity of fresh filter media (puroliteMZ10)FOR IRP and Graded Sand and Anthracite for PSF and fixing the frontal pipes and valves to suit the pumping line with bye pass arrangements and providing wash water pipeline to suitable disposal course/pit</p>					
<p>The work include cost of replacement of damaged parts if any making good for trial run and commissioning of the units testing the quality of treated water to the satisfaction of Beneficiary group and Departmental officers as per CPHEEO Manuel</p>					



<p>Supplying and Fitting Online CHLORINE DOZER PUMP HAVING REQUIRED PRESSURE RATING AND CAPACITY OF THE Scheme including supplying storage tank for solution storage etc complete 1SET</p>					



Gross Total Cost : Rs.

We agree to execute the works in accordance with the approved drawings and technical Specifications for a total contract price of Rs.(amount in figures) (Rs. amount in words).

Signature of Contractor



Annexure - 2

Format of certificate

Certified that the works upto _____ level in respect of construction of _____ at _____ have been executed in accordance with the approved drawing and technical specifications.

Signature
(Engineer of SO/GPAT)
Name & Designation
(Official address)

Place :

Date :

Office seal



PERFORMANCE BANK GUARANTEE

To: _____ [name of Employer]
_____ [address of Employer]

WHEREAS _____ [name and address of Contractor] (hereinafter called "the Contractor") has undertaken, in pursuance of Contract No. _____ dated _____ to execute _____ [name of Contract and brief description of Works] (hereinafter called "the Contract");

AND WHEREAS it has been stipulated by you in the said Contract that the Contractor shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with his obligations in accordance with the Contract;

AND WHEREAS we have agreed to give the Contractor such a Bank Guarantee;

NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you, on behalf of the Contractor, up to a total of _____ [amount of guarantee] / _____ [in words], such sum being payable in the types and proportions of currencies in which the Contract Price is payable, and we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of _____ [amount of guarantee]¹ as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the Contractor before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the Contract or of the Works to be performed thereunder or of any of the Contract documents which may be made between you and the Contractor shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid until (i.e.) 28 days from the date of expiry of the Defects Liability Period.

Signature and seal of the guarantor _____
Name of Bank _____
Address _____
Date _____

1 An amount shall be inserted by the Guarantor, representing the percentage of the Contract Price specified in the Contract and denominated in Indian Rupees.

