

PUBLIC HEALTH ENGINEERING DEPARTMENT
GOVERNMENT OF SINDH

PUBLIC HEALTH ENGINEERING DIVISION # 1 HYDERABAD



**BIDDING DOCUMENTS WITH FINANCIAL
PROPOSAL**

FOR

NAME OF WORK:-

Rehabilitation of Rural Drainage Scheme Tando
Fazal District Hyderabad including one year
Operation & Maintenance of Schemes

Name of Department:	Public Health Engineering Department.
Name of Procuring Agency:	Executive Engineer, Public Health Engg: Division # 1 Hyderabad

Document issued to:- _____

1. **Introduction:**

Office of the Executive Engineer, PHE Division # 1 Hyderabad intends to carry out the work for “**Rehabilitation of Rural Drainage Schemes in District Hyderabad including One (1) Year Operation and Maintenance of Schemes**”

(i) **Scope:**

Rehabilitation of Rural Water Drainage i/c One Year Operations & Maintenance of Schemes in following Districts:

S #	Name of Schemes	Taluka
1.	Rehabilitation of Drainage Scheme Tando Fazal	Hyderabad (Rural)

(ii). **Estimate Cost:** Rs. 7.029 (In Million)

(iii). **Completion Period:** 09 Months

- **Eligibility:** Valid Registration with Pakistan Engineering Council in Valid Category and field of specialization CE-09 & -10
- Applicants will be informed in due course of time, for the result of the evaluation. The financial proposals of only those firms/bidders will be entertained/accepted who will obtain the minimum criteria / qualifying score based on Marks / Score (SECTION-II)

2. **Section-I Instruction To Bidders/Applicants (ITB)**

Clause-I

The firm/contractor shall enclose the original copy of the documents in a sealed envelope along with Financial Proposal which shall:-

- (a) Bear the name and address of the Applicant.
- (b) Be delivered by hand or through courier/registered mail to address mentioned in advertisement (N.I.T) for the work.
- (c) Be clearly marked “Application for submission of Financial Proposal & Information / Documents

FOR

Rehabilitation of Rural Drainage in Hyderabad District i/c One Year O/M of Schemes.

Clause-2

If the envelope is not sealed and marked as required, the procuring agency will assume no responsibility for the misplacement or pre-maturing opening of the document.

Clause-3

Document shall be prepared in English Language.

Clause-4

Firm/Contractor must respond to all questions and provide complete information as advised in this document. Any lapses to provide essential information may result in dis-qualification of the firm/contractor.

Clause-5 Clarification and Modification of Documents (SPP Rule-23)

Firm/Contractor, who has obtained documents, may request for clarification of contents bidding document in writing, and respond to such queries shall be made in writing within calendar days, provided they are received at least five calendar days prior to the date of open bid.

Clause-6 Addendum:

At any time prior to the deadline for submission of documents the procuring agency may amend the Document by issuing addenda. Any addendum issued shall be part of the Document shall be communicated in writing to all who have obtained the bidding document.

Clause-7 Deadline for submission of Documents (SPP Rule 22 & 24)

Documents shall be received by the procuring agency at the address Executive Engineer, PHE Division # 1 Hyderabad Telephone **9210353** not later than the _____ up to **1:00 PM** and tenders will be opened on _____ at **2:00 PM** in the presence of contractor or their authorized representatives. The procuring agency may, at its discretion, extend the deadline for the submission of documents by amend in subject to the previous deadline shall thereafter be subject to the deadline as extended.

Clause-8 Evaluation (Rule 27 (2)):

Firm/Contractors, general and particular experience, personnel and equipment capabilities, and financial position, as demonstrated by the Applicant's responses in prescribed forms will be evaluated as per evaluation criteria given in the document. The procurer agency reserves the right to waive minor deviations, if these don't materially affect the capability of an applicant to perform the contract. Sub-Engineer's experience and resources shall not be taken into account in determining the firm/contractor compliance with the qualifying criteria firms will be considered for similar treatment as in case of Joint Venture.

Clause-9 Clarification of Prequalification Information (Rule 43):

To assist the evaluation information, the agency may, at its discretion, ask any firm/contractor for a clarification information which shall be submitted within a stated reasonable period of time. Any request clarification shall be in writing. If any firm/contractor does not provide clarifications/ information requested by the date and time set in the agencies request for clarification application of the firm/contractor may be rejected.

Clause-10 Verification of

Documents / Information (Rule 28 (Id):

Verification of the information provided by the firms/contractors in the submissions for bidding along with Financial Proposal made. In case the information is found to be wrong or incorrect in any material way firm/contractor is found to be taking in the capability or resources to successfully perform contract, then it shall not be entertained and financial proposal submitted will not be accepted.

3. Section-II: Evaluation / Qualification Criteria.

1. Criteria based on Marks/Score

Mandatory Provisions/Eligibility: Firms/Contractors must possess (i) valid registration certificate of PEC for the year 2015 in the relevant category CE-09-10 discipline (ii) valid registration certificate from income tax authority (NTN), (iii) at least Two contract of equivalent value in last five years (iv) Litigation Affidavit by Bidder (v) Audited Accounts of Last 3 Years (vi) Firm/Contractors is not black listed (Attach all certificates and affidavit of not black listing)

(A) Company Profile.

- | | | |
|-----|--|-----------------|
| i. | Period since Firm/Contractor is in construction business | 10 Marks |
| | Up to 5 Years | 02 Marks |
| | Up to 10 Years | 05 Marks |
| | Above 10 Years | 10 Marks |
| | (Attach PEC License for each year) | |
| ii. | Office facilities | 05 Marks |
| | In Sindh Province | 03 Marks |
| | In any other province /Islamabad | 01 Mark |
| | Outside Country | 01 Mark |

(B) General Experience Record. 40 Marks

- | | | |
|-----|--|----------|
| i. | Projects of Drainage Scheme
Completed over last 05 years costing about equivalent value
20 Marks for one project (basic requirement) | |
| | (Attach satisfactory completion certificates) | |
| ii. | Projects of similar nature and complexity in hand. | 20 Marks |
| | (10 Marks for each project having cost Rs. _____Million or above) | |

(Attach copies of work orders)

(C) Personnel Capabilities **required for this project** **20 Marks**
 Following factors shall be used as a guide line.

Sr. No.	Description/Position with qualification & experience	Number Required	Marks assigned	Remarks
1	BSc (Civil Engg:)/BE(Civil) Engineers registered with Pakistan Engineering Council (PEC) with experience of 5 years or above.	02	20	06 Marks for experience of 3 to 05 years. 09 Marks for above 10 years (Attach Tax payment challan showing at least 1 year continuous employment with firm 1 Additional Mark for MSc (Civil Engg:) / M.E (Civil)
2.	Diploma in Civil Engineering with experience of 2 years or above	04	10	Qualifying experience for Sub Engineer minimum Five(5) years

(D) Equipment Capability **10 Marks**

- (a). Critical equipment and number required for the project shall be specified by the applicant.
- (b) High value equipment should be an option to own, lease or hire.
- (c) Total equipment available with the applicant is to be listed along with its current mobilization on on-going project.
 (Details are to be provided in the attached form)

(E) Financial Soundness/Status **10 Marks**

For Financial Status assessment, the Applicants may be required to submit audited Financial Statements for the last three years, the procuring agency will make enquires with the firms / contractors bankers.

Working Capital in hand for this project/work (Attach proof of Bank Statement/Credit Facilities)

- | | | |
|------|--|----------|
| i. | Less than 15% of Estimated Cost of this Work | 01 Marks |
| ii. | Less than 25% of Estimated Cost of this Work | 02 Marks |
| iii. | Less than 40% of Estimated Cost of this Work | 04 Marks |
| iv. | More than 40% of Estimated Cost of this Work | 10 Marks |

Qualifying Score is 50%, but it is mandatory to obtain 40% in each section.

(2) Based on Yes/No or Pass/Fail System.

Mandatory Provisions / Eligibility: Firms/contractors must possess (i) valid registration certificate of PEC in the category CE-09 and CE10 discipline for 2014 year, (ii) valid registration certificate from income tax authority (NTN), and (iii) is not black listed (Attach all certificates and affidavit of not black listing)

Required Documents: It must include following information / documents:-

(A) Firm/Contractor have been in business of construction at least for 05 years.

(B) Experience and past projects performance.

(i). Have completed at least (1) scheme of Drainage having cost of at least 50 Million of the single project in the last Five (05) years.

(ii). Have executed at least one (01) project in similar geographical condition in last five (05 years).

(Attach performance certificates of completed projects)

(C) Key Personal Qualification & Experience

(Requirement will vary from assignment to assignment)

(i). **Site Engineers.** Qualification: B.E (Civil), Number ().
Experience: () Similar assignments,
() years experience.

(ii). **Sub Engineer/** Qualification: Diploma in Civil, Number; ()
Quantity Surveyors: Experience: () similar assignment,
() years experience.

(D) Equipment.

(a) Critical equipment and number required for the project shall be specified by the bidder (Attach list of equipment).

(b). High value equipment should be an option to own, lease or hire.

(c). Total equipment available with the applicant is to be listed along with its current mobilization on on-going projects

(E). Financial:

(i). Documentary evidence of financial position, bank statement or audited accounts last Three (03 Years)

(ii). Average Annual turnover of the last three years should not be less than thrice the cost of work under procurement.

Any other information.

- i) Details of disputes/litigation or arbitration with client if any.
- ii) Any other document/information desired by procuring agency.

G. BID EVALUATION PROCEDURE

S#	Name of Bidder	Eligibility points	wt: 80%	Final Eligibility	Financial Points (cost of lowest bidder/cost of bidder)×100=	Finan: wt: 20%	Final Finan: points	Combined Score Col(5+8)	Bid declared by the Committee
1	2	3	4	5	6	7	8	9	10

4. Section-III Application Forms.

A.I **Application Submission Form** (The covering letter is to be submitted by the interested firm/contractor partner responsible for a joint venture, on appropriate company letter head.

1. CONTRACT AGREEMENT

The Contractor shall within 07 days of issuance of letter of award/intent or when called upon. To do so enter and execute a Contract Agreement on PWD format as annexed with the tender.

2. PERFORMANCE SECURITY

The Contractor shall obtain (at his cost) a Performance Security for proper performance, 5% of the Contract/bidding Amount and denominated in the currency (ies) of the Contract or in a freely convertible currency acceptable to the Procuring Agency.

The Contractor shall deliver the Performance Security to the Procuring Agency. within 28 days after receiving the Letter of Acceptance. The Performance Security shall be issued by a reputable bank or financial institution selected by the Contractor, and shall be in the form as provided by the Procuring Agency.

The Contractor shall ensure that the Performance Security is valid and enforceable until the Contractor has executed and completed the Works i/c O & M period and remedied and defects. If the terms of the Performance Security specify its expiry date, and the Contractor has not become entitled to receive the Performance Certificate by the date 28 days prior to the expiry date, the Contractor shall extend the validity of the Performance Security until the Works have been completed and any defects have been remedied.

The Procuring Agency shall not make a claim under the Performance Security, except for amounts to which the Employer is entitled under the Contract.

The Procuring Agency shall indemnify and hold the contractor harmless against and from all damages, losses and expenses (including legal fees and expenses) resulting from claim under the Performance Security to the extent to which the Employer was not entitled to make the claim.

The Procuring Agency shall return the Performance Security to the Contractor within 21 days after receiving a copy of the Performance Certificate.

Without limitation to the provisions of the rest of this Sub-Clause, whenever the Procuring Agency determines an addition or a reduction to the Contract Price as a result of a change in cost and/or legislation, or as a result of a Variation, amounting to more than 25 percent of the portion of the Contract Price payable in a specific currency, the Contractor shall at the Procuring Agency's request promptly increase, or may decrease, as the case may be, the value of the Performance Security in that currency by an equal percentage.

To,

The Executive Engineer,
Public Health Engineering,
Division # I Hyderabad

WHEREAS the contract of **Rehabilitation of Rural Drainage Schemes in Hyderabad Districts including One Year Operation and Maintenance of Schemes** has been awarded to M/s _____ (hereinafter called the Contractor).

AND WHEREAS under the terms of the said contract vide letter of Intent No. _____, dated _____ you have agreed to advance a sum of Rs. _____ (Rupees _____) only to the Contractor M/s _____

for execution of the said work. This advance is to be recovered proportionately at the rate of 25% from each running bill of the Contractor for the subject work, till the entire amount is recovered.

IN CONSIDERATION OF THE ABOVE, I/ we M/s _____ at _____ of Bank Guarantee _____ to you for Contract terms and the above amount Rs. _____ (Rupees _____) only on behalf of the Contractor, and in default thereof we undertake to pay you on demand any sum upto but not exceeding Rs. _____ (Rupees _____) only of the outstanding amount of

advance given by you to the said Contractor upto the date of such demand, provided always our liability hereunder shall not exceed the aggregate amount of Rs. _____ (Rupees _____) only.

THIS GUARANTEE shall be irrevocable and we shall make an unconditional payment to you of the aforesaid amount on demand without further question and without any reference to the said Contractor.

Sd/-

To,

The Executive Engineer,
Public Health Engineering,
Division I Hyderabad

Dear Sir,

SUBJECT: Financial Proposal and Documents/information required for "Rehabilitation or Rural Drainage Schemes in Hyderabad District including One Year Operation & Maintenance of Schemes.

Dear Sir,

I/We _____ the undersigned, being duly authorized to represent and act on of _____ submit the financial proposal and required Documents/Information for the project above and enclose one original copy of Financial Proposal and required documents/information and the following.

- (a) I have examined and have no reservations to the Document, including Ad No.(s) _____, issued in accordance with ITB Clause-6.
 - (b). I understand that Procuring Agency may cancel the tendering process at any time an Procuring Agency is not bound either to accept any application that it may receive or financial proposals of technically disqualified bidders, without incurring any liability applicants.
 - (c). Bids by technically qualified applicants will be subject to verification of all information submitted at the time of bidding.
 - (d) Agency reserves the right to amend the scope and value of any contract under this project.
4. The Procuring Agency and its authorized representative (s) may contact the following persons (s) for further information, if needed.

Person to be contacted:

Telephone: _____

5. The undersigned declares that the statements and the information provided are complete and correct in every detail.

Signed

Name: _____

A-II

1. Company Profile

Date: _____

Contract: _____

All individual firms and each partner of a joint venture applying for submission of Technical Proposal requested to complete the information in this form.

1.	Name of Firm (legal): (In case of Joint Venture (JV), legal name of each partner:
2.	Nature of Business: (Whether the firm is a Corporation, Partnership, Trust etc) (In Case of Consortium, whether the lead consortium member is a corporation, partnership, Trust etc)
3.	Head Office Address
4.	Telephone Fax Numbers: E-Mail Address:
5.	Place of Incorporation/Registration: Year of incorporation / registration:
6.	Applicant's authorized representative: Telephone Fax Number E-mail address:
7.	NATIONALITY OF OWNERS Name _____ Country _____

A-III**2. General Experience Record**

- (i). Details of Contracts of Similar Nature and Complexity completed over last 05 years.

Sr.No.	1	2	3	4	5
Name of Contract:					
Country:					
Name of Procuring Agency with Address, Telephone, Fax					
Nature of Works and special features relevant to the contract for which applied.					
Contract Role (Mention: Sole, Sub-Contractor or Partner in a Joint Venture)					
Value of the total contract in Pak/Rs:					
Date of Award					
Date of Completion					

(ii) Projects of Similar nature and complexity in hand.

Firms/Contractor and each partner of the joint venture should provide information on their current commitments on all contractors that have been awarded, or for which a letter of intend or acceptance has been received, or for contracts approaching completion, but for which substantial Completion Certificate has yet to be issued.

Name of Contract	Value of Contract	Name of Procuring Agency	Value of Outstanding work (Equivalent Pak Rs. Millions)	Estimated Completion Date

(iii) Projects executed in similar geographical conditions in last five (5) years.

Sr.No.	1	2	3	4	5
Name of Contract:					
Country:					
Name of Procuring Agency with Address, Telephone, Fax					
Nature of Works and special features relevant to the contract for which applied.					
Contract Role (Mention: Sole, Sub-Contractor or Partner in a Joint Venture)					
Value of the total contract in Pak/Rs:					
Date of Award					
Date of Completion					

A-IV

4 (A) Personnel Capabilities

Firm / Contractor should provide the names of suitability qualified personnel to meet the specified requirements stated in Section-3(Evaluation and Qualification Criteria). The data on their experience should be supplied using the Form below for each candidate.

Sr. No.	Title of Position	Name/Present Address with Contact Nos.
1.		
2.		
3.		
4.		
5.		

A-V.

5, Equipment Capabilities

Firm/Contractor shall provide adequate information to demonstrate clearly that capability to meet the requirements for the key equipment listed in Section-3 (Evaluation Qualification Criteria) A Separate Form Shall be prepared for each item of equipment for alternative equipment proposed by the Bidder.

Sr. No.	Name of Equipment	Name of Manufacture	Model and Power rating	Capacity	Year of Manufacture	Current Location	Sources Owned,I Leased Specially Manufacture
1.							
2.							
3.							
4.							
5.							
6.							
7.							
8.							
9.							
10.							

A-VI.

6. Following information shall be provided if equipment is not owned by the Bidder.

Sr. No.	Name of Equipment	Name of Owner	Address of Owner	Contact name and title with Telephone Fax & Email	Agreement Details of rental lease/ manufacture agreements specified to the Project
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					

A-VII**7. Financial Resources.****A. Banker's Information**

Sr. No.	Name & Address of Bank	Contact name and title with Telephone, Fax, E-Mail	
1.			

B. Financial Status: (Summarize actual assets and liabilities in Pak Rupees (Equivalent at the current rate of exchange at the end of each year, for the previous three years). A copy of the audited balance sheets should be attached.

Information from Balance Sheet/Income Statement	Year-I	Year-2	Year-3
1. Total Assets (T)			
2. Total Liabilities (TL)			
3. Current Assets (CA)			
4. Current Liabilities (CL)			
5. Total Revenues (TR)			
6. Profits Before Taxes (PBT)			
7. Profits After Taxes (PAT)			

C. Annual turnover data (Construction only)

Year Amount and Currency Rupees in Million

- 1.
- 2.
- 3.

Average annual construction turnover calculated as total certified payments received for work in progress or completed, divided by the number of years specified in Section-III, Qualification Criteria, Normally not be less than $2 \times V/T$, the estimated annual turnover or cash flow in the subject contract based on a straight-line projection of the Employer's Estimated cost (V) including contingencies, over the contract duration (T). The multiplier of two may be reduced for very large contracts but should be not be less than 1.5

8. Litigation History

Applicants, including each of the partners of a joint, venture, should provide information on any history of litigation or arbitration resulting from contracts executed in the last five year or currently under execute). A separate sheets should be used for each partners of joint venture.

A. Decided Litigation

Year.	Award for or Against Applicant	Name of Client, Cause of litigation, and matter in dispute	Disputed amount (Current Value Pak Rs. Or equivalent)

B. Pending Litigation

Year.	Matter in Dispute	Value of Pending Claim in USS Equivalent	Value of pending claim as a percentage of Net Woth

Section IV. Scope of Contract: (Description of works and Period of completion)

Sr. No.	Name of Work	Estimated Cost Million	Earnest Money Million	Completion Period	Tender Fee
1.	-----As detailed in NIT-----	7.029	0.141	9 Months	3000/-

Specification drawings, items of works and quantities of items are provided in Financial Proposal Documents.

SCHEDULE (A)

TERMS & CONDITIONS OF CONTRACT.

- 1. The Sindh sales tax special procedure (with holding) rules, 2011 shall apply to taxable services as are needed, provided or rendered to persons, specified as with holding agents, in the with holding procedure, for the purpose of deduction and deposit of sales tax.**
2. The Contract/Firm has to arrange potable water to use in construction on his cost.
3. The Contractor shall have to pay 0.30% of contract cost in shape of revenue stamp duty at the time of agreement.
4. 10% deposit will be recovered from contractor 2% in shape of call deposit along with bid and 8% shall be with held in all running bills.
5. All the material of approved quality will be used, Sample of the material, fixture, cement hill sand, crush, bricks pipes, fitting, UPVC, Electrical will be got approved in advance / before execution. For Pumping Machinery, Diesel Engine & Generator, Contractor will provide Manufacturers certificate which will be verified by Incharge Engineer before making payment samples shall be collected from each new lot stacked at site in the presence of Executive Engineer or representatives and jointly sealed and got tested from approved laboratory at contractor's own cost in case the contractor fails to comply with this condition.
6. The Contractor shall maintain at the site of work "Site Order Book" (of triplicate leaves) at his own cost for taking instructions and directions from the supervising monitoring officers/officials
7. The contractor shall at his own cost provide a suitable size high visibility signboard at each location indicating the details of project as approved by the Engineer in charge
8. No premium shall be allowed on non-schedule item and 1 year operation & maintenance component.
9. On successful completion of 1 year operation & maintenance, the contractor shall hand over the scheme to concerned Executive Engineer in sound and satisfactory running condition.

10. PAYMENT MECHANISM.

- A) The Contractor shall submit running bills against the work done at site to Executive Engineer for verification and payment.
- B) Payment against 1 year operation & maintenance shall be made on monthly basis, evenly divided in 12 months for each completed scheme.
- C) No cost escalation shall be allowed on operation & maintenance component or part there of.
- D) The contractor shall submit copy of each paid electricity bill to Executive Engineer every month regularly.
- E) Premium will be allowed on O/M item/Cost.

**EXECUTIVE ENGINEER
PUBLIC HEALTH ENGG: DIVISION I
HYDERABAD**



TENDER FOR THE WORK

Issue to M/s _____ Tender fee for Rs. _____ Recieved
Vide. _____ D.R No. _____ Dated: _____
_____ Dated of opening of Tender _____

**EXECUTIVE ENGINEER
PUBLIC HEALTH ENGG:DIVN: I
HYDERABAD**

I/We hereby tender the execution for the Rehabilitation of Rural Drainage Schemes i/c One Year Operations & Maintenance of Schemes under written memorandum within the specified time in such memorandum at.

Percent ABOVE/BELOW the Estimate rated entered in the Schedule "B" Memorandum showing items of work to be carried out and in all respect with the specification designed and instructions writing referred to in Rule thereof.

- a). General Description: Rehabilitation of Rural Drainage Scheme i/c One Year Operations & Maintenance of Schemes.
- b). Estimated Cost: Rs: 7.029 Millions
- c). Earnest Money 2% Call Deposit: Rs: 0.141
- g). Time of Completion 9 Months

Should be this tender be accepted I/We hereby agree to abide be the fulfill all the terms and provisions of the conditions of contract annexed hereto so as applicable and in default hereof to forfeit any pay the _____ the sum of money mentioned in the said conditions.

Receipt No. _____ Dated: _____ from the Government Treasury / Sub-Treasury / _____ in respect of the sum of the Rs. _____ is her with forwarded representing the earnest money

- a). The full value of which is to be absolutely forfeited to PHE Division # I Hyderabad deposited the full amount of Security Deposit specified in the above memorandum in accordance with Clause of the said conditions otherwise the sum of Rs. _____ shall be remained by the PHE Division # I Hyderabad on account of such Security Deposit specified in relevant Clause of the conditions/agreement.

N.B The Tender is required to undertake that all terms and conditions of the printed B-I Forms inclusive of the additional conditions etc approved by the Executive Engineer PHE Division # I Hyderabad will be binding on him and these will be includes and signed by him in the even acceptance of his tender.

**EXECUTIVE ENGINEER
PUBLIC HEALTH ENGG: DIVISION I
HYDERABAD**

SCHEDULE 'B'

Head of Account : SC-21021(021)KA-4534 P.H. Services

Name of Work : REPAIR & RENOVATION OF O/M RURAL DRAINAGE SCHEME TANDO FAZAL UC- TANDO FAZAL, TALUKA HYDERABAD (RURAL) DISTRICT HYDERABAD

S.#	Item	Qty	Rate	Unit	Amount
-----	------	-----	------	------	--------

GROUP 'A' (REPAIR/NEW SURFACE DRAINS)

1. Earth work excavation in ashes, sand soft soil or silt clearance undressed lead upto 50 ft: (GSINO.2 P-1)
28639.0 Cft @Rs: 1663/75 P%oCft Rs: 47648/-
2. Extra for wet earth work. (GSINO.15 P-4)
28639.0 Cft @Rs: 1058/75 P%oCft Rs: 30322/-
3. Dismantling brick work in lime or cement mortar. (GSINO.13 P-10)
992.0 Cft @Rs: 1285/63 P%Cft Rs: 12753/-
4. Dismantling c.c. reinforced separating reinforcement from concrete cleaning and straightening the same. (GSINO.20 P-10)
392.0 Cft @Rs: 5445/- P%Cft Rs: 21344/-
5. Cleaning of collecting tank/sump below ground level i/c dewatering of sludge water & disposal of garbage,solid waste etc: out side the tank etc: complete. (PHSINO. T(i)P-59)
1884.0 Cft @Rs: 11900/- P%oCft Rs: 22420/-
6. Carriage of 100cft/5 tons of all materials like stone aggregate, spawl, coal, lime, Surkhi etc: B.G Rail fastenings points and crossing bridges, Girders, pipe, Sheets Rails M.S Bars etc. or 1000 Nos 10"x5"x3" or 1000 Nos tiles 12"x6"x2"or 150 cft Of timber or 100 mounds of fuel wood by trucks or any other means owned by the Contractor.(SSINO.1 P/1)(Lead 3 miles)
31908.0 Cft @Rs: 579/41 P%Cft Rs: 184878/-
7. Hire charges of pumping set of upto 10 H.P (but not less than 5 H.P)pumping out water from 10 ft: deep trenches.(PHSINO.23(iv)P-77)
10.0 Days @Rs: 1000/- P.Days Rs: 10000/-
8. Excavation in foundation of building bridges and other structures including dag belling dressing refilling around structures with excavated earth watering and ramming lead upto 5'ft(in ordinary soil) (G.S.I.NO.18 (b) P/4)
32143.00 Cft @Rs: 3176/25 P%0cft Rs: 102094/-
9. Cement concrete plain including placing compacting finishing and curing, complete (i/c screening and washing of stone aggregate without shuttering (GSI No5 P/16) R:1:4:8.
4845.0 Cft @Rs: 11288/75 P%Cft Rs: 546940/-
10. Pucca brick work in foundation & plinth in cement sand mortar. (GSINO.4(e)P-20)
18917.0 Cft @Rs: 11948/36 P%Cft Rs: 2260271/-

S.#	Item	Qty	Rate	Unit	Amount
-----	------	-----	------	------	--------

- | | | | | | |
|-----|---|-------------|-----------------|-------|----------------------------|
| 11. | Cement Plaster 1:4 upto 12' height ½" thick. (GSINO. 11(b) P-52) | 31756.0 Sft | @Rs: 2283/93 P% | Sft | Rs: 725285/- |
| 12. | Construction of standard open drain cunette block of c.c (1:2:4)in situ to the design Profile i/c cost of mould as per drawing i/c applying floating cost of cement 1:32"thick to the exposed face finished smooth cutting etc complete as per detailed drawing. (PHSI No.D(i-ii)P/58) | | | | |
| | T-I | 3000.0 Rft | @Rs: 94/- | P.Rft | Rs: 282000/- |
| | T-II | 2500.0 Rft | @Rs: 174/- | P.Rft | Rs: 435000/- |
| | T-III | 1000.0 Rft | @Rs: 309/- | P.Rft | Rs: 309000/- |
| 13. | Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms moulds, lifting, shuttering curing rendering and finishing the exposed surface)(including screening and washing of shingle)(a)R.C. Work in roof slab, beams, columns, rafts, lintels and other structural members laid in situ or precast laid in position complete in all respect(i)Ratio 1:2:4)90 lbs cement 2 cft sand 4 cft shingle 1/8" to ¼" guage.(G.S.I.NO;6(a)(i)P/17) | 548.0 Cft | @Rs: 337/- | P/Cft | Rs: 184676/- |
| 14. | Fabrication of mild steel reinforcement for cement concrete including cutting bending laying in position making joints and fastenings including cost of binding wire (also includes removal of rust from bars(G.S.I.NO.8(a)P/17) | 19.57 Cwt | @Rs: 5001/70 P. | Cwt | Rs: 97883/- |
| | | | | | Total Rs: 5272514/- |

GROUP 'B' REPAIR OF PUMPING MACHINERY I/C ACCESSORIES & SERVICE WIRE

- | | | | | | |
|----|--|-----------|--------------|-------|--------------|
| 1. | Repair of KWPZ KSB Pump (65-315) size 3"x2/12"(M.R)(Approved). | 4 Nos | @Rs: 10000/- | Each | Rs: 40000/- |
| 2. | Rewinding Electric Motor 3 Phase, 400/440 volts, 50 cycles with best quality insulated copper wire of required guage i/c testing on load with satisfactory result upto one week's times, opening and refitting and replacing the bolts if necessary excluding the cost of worn out material.(GSINO.97 P-109) | | | | |
| | 10 BHP (1450 RPM) | 4 Nos | @Rs: 10599/- | Each | Rs: 42396/- |
| 3. | Making & Installing M.S. pipe made out of M.S. sheet 3/16" thick cutting, bending, folding to correct curvature & shape i/c welding complete etc: (R.A.A Base on Sch) | | | | |
| | For Suction Line 4" dia | 126.0 Rft | @Rs: 506/60 | P.Rft | Rs: 63832/- |
| | <u>For Delivery 6" dia</u> | 44.0 Rft | @Rs: 749/34 | P.Rft | Rs: 32971/- |
| 4. | Manufacturing & Installing with welding M.S. flanged made out of M.S. sheet 3/8" thick i/c cutting drilling holes etc: complete. (R.A. Approved Based on Schedule) | | | | |
| | 4"dia | 40 Nos | @Rs: 596/75 | Each | Rs: 23870/- |
| | 6" dia | 12 Nos | @Rs: 804/77 | Each | Rs: 9657/- |
| 5. | Providing & Fixing MCU (Model MCU/SD-10)(Approved M.R) | 4 Nos | @Rs: 48750/- | Each | Rs: 195000/- |

S.#	Item	Qty	Rate	Unit	Amount
6.	Providing Internal wiring from main with 3.7/0.44 insulated wire. (ESINO. 18 P-9)	72.0 Rft	@Rs: 128/61	P.Rft	Rs: 9260/-
7.	Providing & Fixing M.S. foundation nuts & Bolts of 5/8" dia 4 Nos 2' long each half threaded. (SMINO.6 P-27)	33.28 lbs	@Rs: 112/61	P.Lbs	Rs: 3748/-
8.	Providing & Laying (Main or Sub-Main)PVC insulated with size 4-7/.52 (16332)Copper conductor in 1 1/2" dia PVC conduit recessed in the wall or column as required.(ESINO.42 P-6)	30.0 Meter	@Rs: 1213/-	P.M	Rs: 36390/-
9.	Reflex Valve heavy pattern test pressure 21 kg/sq.cm or 300 lbs/sq inch)(Imported)(SMINO.6(b)P-11)	4 Nos	@Rs: 1706/25	Each	Rs: 6825/-
10.	12. C.I. Sluice valve heavy pattern (Test Pressure)21.0kg/sq/cm or 300 lb/sq.inch)(imported)(SMINO. 2.(b) P-11)	4 Nos	@Rs: 5460/-	Each	Rs: 21840/-
11.	Foot valve heavy pattern with cone type gate.(Imported)(SMINO.4(b)P-11)	4 Nos	@Rs: 893/75	Each	Rs: 3575/-
12.	C.I.Bend with flanged end with holes i/c turning and facing of flanges for all sizes. (SMINO. 8 P-12)	2.87 Cwt	@Rs: 6096/-	P.Cwt	Rs: 17496/-
13.	C.I. Tee flanged end with holes including turning and facing of flanged for all size. (SMINO.12 P-12)	1.64 Cwt	@Rs: 6096/-	P.Cwt	Rs: 9997/-
14.	Jointing C.I/M.S. flanged pipes and specials flanged and inside a trenches i/c supplying rubber packing of the required thickness nuts, bolts with washers etc: and other tools required for jointing and testing the joints to the specified pressure etc: complete.(PHSINO. N-1 P-40)	20.0 Joint	@Rs: 938/-	P.Joint	Rs: 18760/-
		4" dia	@Rs: 513/-	P.Joint	Rs: 20520/-
				Total	Rs: 556137/-

GROUP 'C' RESTORATION OF RISING MAIN 4"DIA

- Excavation for pipe lines into trenches and pits in soft soil i/c trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade cutting joint holes and disposal of surplus earth within a one chain as directed by Engineer in charge providing fence guards lights flags and temporary crossing for non vehicular traffic where ever required lift upto 5'ft(1.52m) and lead upto one chain (30.5mm)(P.H.S.I.NO. 1 P/60)
- | | | | | |
|--|------------|-------------|--------|-------------|
| | 6000.0 Cft | @Rs: 3600/- | P%ocft | Rs: 21600/- |
|--|------------|-------------|--------|-------------|
- Providing A.C. pressure pipe. (R.A)
- | | | | | | |
|--|--------|-------------|-------------|-------|--------------|
| | 4" dia | 1000.00 Rft | @Rs: 259/90 | P.Rft | Rs: 259900/- |
|--|--------|-------------|-------------|-------|--------------|
- Supplying A.C. Coller B class. (SMINO. 2 P-21)
- | | | | | | |
|--|--------|-------|------------|------|-----------|
| | 4" dia | 5 Nos | @Rs: 157/- | Each | Rs: 785/- |
|--|--------|-------|------------|------|-----------|

S.#	Item	Qty	Rate	Unit	Amount
4.	One Pair of rubber ring .(SMINO.3 P-21) 4” dia	20 Nos	@Rs: 95/-	Each	Rs: 1900/-
5.	C.I. Giboult Joint. (SMINO. 14 P-17) 4” dia	5 Nos	@Rs: 731/25	Each	Rs: 3656/-
6.	Refilling the excavated stuff in trenches 6” thick layers i/c watering ramming to full compaction etc: complete.(PHSINO.24 P-53)	5400.0 Cft	@Rs: 2760/-	P%oCft	<u>Rs: 14904/-</u>
				Total	Rs: 302746/-

GROUP ‘D’ REPAIR OF TRANSFORMER

1.	Taking out 25 k.v. Electric Transformer @ Disposal work and same repair @ Hyderabad and re-fixing same place i/c cartage etc: complete.	1.0 Job	@Rs: 66800/-	P.Job	<u>Rs: 66800/-</u>
				Total	Rs: 66800/-

GROUP ‘E’ (DE-SILTING OF OXIDATION POND/JUNGLE CLEARANCE)

1.	Jungle clearance & removing within 100 ft: (a) thick. (GSINO.4(b)P-94)	15929.0 Sft	@Rs: 75/63	P%oSft	Rs: 1205/-
2.	Earth work excavation in ashes, sand soft soil or silt clearance undressed lead upto 50 ft: (GSINO.2 P-1)	11356.0 Cft	@Rs: 1663/75	P%oCft	Rs: 18893/-
3.	Extra for wet earth work. (GSINO.14 P-3)	11356.0 Cft	@Rs: 1058/75	P%oCft	Rs: 12023/-
4.	Extra for every 50’ ft: additional lead or part there (a) for earth work (Soft, ordinary, hard and very hard)(GSINO.8(a)P-2)	11356.0 Cft	@Rs: 3224/96	P%oCft	<u>Rs: 36623/-</u>
				Total	Rs: 68744/-

GROUP ‘F’ RENOVATION OF DISPOSAL WORK

1.	Dismantling brick work in lime or cement mortar.(GSINO.13 P10)	138.0 Cft	@Rs: 1285/63	P%Cft	Rs: 1774/-
2.	Pucca brick work other than building i/c striking of joint upto 20 ft: height in cement sand mortar.(GSINO. 7 (e) P-21)	167.0 Cft	@Rs: 12346/65	P%Cft	Rs: 20619/-
3.	Cement Plaster 1:6 upto 20’ height 1/2” thick. (GSINO.12(a)P-51)	7210.0 Sft	@Rs: 2206/60	P%Sft	Rs: 159096/-
4.	Cement plaster 1:4 upto 20’ height 3/8” thick. (GSINO.11(b)P-51)	7210.0 Sft	@Rs: 2197/52	P%Sft	Rs: 158441/-

S.#	Item	Qty	Rate	Unit	Amount
5.	Providing & Laying 1" thick topping c.c. 1:2:4 i/c surface finishing and dividing into panel. (GSINO. 16(d)P-41)2" thick	719.0 Sft	@Rs: 3275/50 P%	Sft	Rs: 23551/-
6.	White Wash Three coat.(GSINO.26 (c)P-53)	408.0 Sft	@Rs: 829/95 P%	Sft	Rs: 3386/-
7.	Colour Wash 3 Coats. (GSINO. 25 P-53)	7210.0 Sft	@Rs: 859/90 P%	Sft	Rs: 61999/-
8.	Painting old surface (a) painting door & window any type (Three coat).(GSINO.4(c)P-67)	295.0 Sft	@Rs: 1160/06 P%	Sft	Rs: 3422/-
Total					Rs: 432288/-

CONDITION

1. Any error omission in description of item Qty: and unit will be governed by relevant schedule of rates & relevant rate analysis.
2. The Decision of the Superintending Engineer, PHE Circle Hyderabad will be final & binding on all parties in any shape.
3. The rate should be inclusive of all taxes.
4. No. Separate carriage will be paid.
5. No. Premium will be allowed on non schedule item.

CONTRACTOR

**EXECUTIVE ENGINEER
PUBLIC HEALTH ENGG:DIVN NO I
HYDERABAD**

**DETAILED WORKING ESTIMATE FOR ANNUAL OPERATION AND
MAINTENANCE COST OF RURAL DRAINAGE SCHEME TANDO FAZAL
TALUKA HYDERABAD (RURAL) DISTRICT HYDERABAD**

**ABSTRACT OF COST
(OPERATION & MAINTENANCE)**

(A) ESTABLISHMENT RS: 252000/-

(B) ELECTRICAL & MECHANICAL
CHARGES RS: 265840/-

(C) ANNUAL MAINTENANCE
& REPAIR CHARGES RS: 106667/-

TOTAL RS: 624507/-

ADD: 2% CONTINGENCIES RS: 12490/-

TOTAL RS: 636997/-

Total Cost for O/M of the scheme for One year Rs: 636997/-

ASSISTANT ENGINEER
PUBLIC HEALTH ENGG:S/DIVISION II
HYDERABAD

EXECUTIVE ENGINEER
PUBLIC HEALTH ENGG:DIVISION I
HYDERABAD

**DETAILED WORKING ESTIMATE FOR ANNUAL OPERATION AND
MAINTENANCE COST OF RURAL DRAINAGE SCHEME TANDO FAZAL
TALUKA HYDERABAD (RURAL) DISTRICT HYDERABAD**

(A) ESTABLISHMENT

1.	Pump Operator.	1x12.0	= 12.0 Months	
	12 Months	@Rs: 7000/-	P.Months	Rs: 84000/-
2.	Chowkidar/Helper.	1x12.0	= 12.0 Months	
	12 Months	@Rs: 7000/-	P.Months	Rs: 84000/-
3.	Sweeper.	1x12.0	= 12.0 Months	
	12 Months	@Rs: 7000/-	P.Months	Rs: 84000/-
			Total	Rs: 252000/-

(B) ELECTRICAL & MECHANICAL CHARGES

i.	<u>Electric Charges</u>			
		2x10x0.746x2x365	= 10891.60 Units	
	10892.0 Units	@Rs: 20/-	P. Units	Rs: 217840/-
ii.	Provision for Lubricant such as Grease, Cotton, Waste and oil etc:			
		2x12.0	= 24.0 Months	
	24.0 Months	@Rs: 2000/-	P.M.	Rs: 48000/-
			Total	Rs: 265840/-

(C) ANNUAL MAINTENANCE & REPAIR CHARGES

6 2/3 i.e capital cost of Pumping Machinery

	$\frac{1600000 \times 20}{100 \times 3}$	Rs: 106667/-
		Total Rs: 106667/-

ASSISTANT ENGINEER
PUBLIC HEALTH ENGG:S/DIVISION II
HYDERABAD

EXECUTIVE ENGINEER
PUBLIC HEALTH ENGG:DIVISION I
HYDERABAD

PUBLIC HEALTH ENGINEERING DEPARTMENT
GOVERNMENT OF SINDH

PUBLIC HEALTH ENGINEERING DIVISION # 1 HYDERABAD



**BIDDING DOCUMENTS WITH FINANCIAL
PROPOSAL**

FOR

NAME OF WORK:-

Rehabilitation of Rural Drainage Scheme Tando
Hyder District Hyderabad including one year
Operation & Maintenance of Schemes

Name of Department:	Public Health Engineering Department.
Name of Procuring Agency:	Executive Engineer, Public Health Engg: Division # 1 Hyderabad

Document issued to:- _____

1. Introduction:

Office of the Executive Engineer, PHE Division # 1 Hyderabad intends to carry out the work for “**Rehabilitation of Rural Drainage Schemes in District Hyderabad including One (1) Year Operation and Maintenance of Schemes**”

(i) Scope:

Rehabilitation of Rural Water Drainage i/c One Year Operations & Maintenance of Schemes in following Districts:

S #	Name of Schemes	Taluka
1.	Rehabilitation of Drainage Scheme Tando Hyder	Hyderabad (Rural)

(ii). **Estimate Cost:** Rs. 7.194 (In Million)

(iii). **Completion Period:** 09 Months

- **Eligibility:** Valid Registration with Pakistan Engineering Council in Valid Category and field of specialization CE-09 & -10
- Applicants will be informed in due course of time, for the result of the evaluation. The financial proposals of only those firms/bidders will be entertained/accepted who will obtain the minimum criteria / qualifying score based on Marks / Score (SECTION-II)

2. **Section-I Instruction To Bidders/Applicants (ITB)**

Clause-I

The firm/contractor shall enclose the original copy of the documents in a sealed envelope along with Financial Proposal which shall:-

- (a) Bear the name and address of the Applicant.
- (b) Be delivered by hand or through courier/registered mail to address mentioned in advertisement (N.I.T) for the work.
- (c) Be clearly marked “Application for submission of Financial Proposal & Information / Documents

FOR

Rehabilitation of Rural Drainage in Hyderabad District i/c One Year O/M of Schemes.

Clause-2

If the envelope is not sealed and marked as required, the procuring agency will assume no responsibility for the misplacement or pre-maturing opening of the document.

Clause-3

Document shall be prepared in English Language.

Clause-4

Firm/Contractor must respond to all questions and provide complete information as advised in this document. Any lapses to provide essential information may result in dis-qualification of the firm/contractor.

Clause-5 Clarification and Modification of Documents (SPP Rule-23)

Firm/Contractor, who has obtained documents, may request for clarification of contents bidding document in writing, and respond to such queries shall be made in writing within calendar days, provided they are received at least five calendar days prior to the date of open bid.

Clause-6 Addendum:

At any time prior to the deadline for submission of documents the procuring agency may amend the Document by issuing addenda. Any addendum issued shall be part of the Document shall be communicated in writing to all who have obtained the bidding document.

Clause-7 Deadline for submission of Documents (SPP Rule 22 & 24)

Documents shall be received by the procuring agency at the address Executive Engineer, PHE Division # 1 Hyderabad Telephone **9210353** not later than the _____ up to **1:00 PM** and tenders will be opened on _____ at **2:00 PM** in the presence of contractor or their authorized representatives. The procuring agency may, at its discretion, extend the deadline for the submission of documents by amend in subject to the previous deadline shall thereafter be subject to the deadline as extended.

Clause-8 Evaluation (Rule 27 (2)):

Firm/Contractors, general and particular experience, personnel and equipment capabilities, and financial position, as demonstrated by the Applicant's responses in prescribed forms will be evaluated as per evaluation criteria given in the document. The procurer agency reserves the right to waive minor deviations, if these don't materially affect the capability of an applicant to perform the contract. Sub-Engineer's experience and resources shall not be taken into account in determining the firm/contractor compliance with the qualifying criteria firms will be considered for similar treatment as in case of Joint Venture.

Clause-9 Clarification of Prequalification Information (Rule 43):

To assist the evaluation information, the agency may, at its discretion, ask any firm/contractor for a clarification information which shall be submitted within a stated reasonable period of time. Any request clarification shall be in writing. If any firm/contractor does not provide clarifications/ information requested by the date and time set in the agencies request for clarification application of the firm/contractor may be rejected.

Clause-10 Verification of

Documents / Information (Rule 28 (Id):

Verification of the information provided by the firms/contractors in the submissions for bidding along with Financial Proposal made. In case the information is found to be wrong or incorrect in any material way firm/contractor is found to be taking in the capability or resources to successfully perform contract, then it shall not be entertained and financial proposal submitted will not be accepted.

3. Section-II: Evaluation / Qualification Criteria.

1. Criteria based on Marks/Score

Mandatory Provisions/Eligibility: Firms/Contractors must possess (i) valid registration certificate of PEC for the year 2015 in the relevant category CE-09-10 discipline (ii) valid registration certificate from income tax authority (NTN), (iii) at least Two contract of equivalent value in last five years (iv) Litigation Affidavit by Bidder (v) Audited Accounts of Last 3 Years (vi) Firm/Contractors is not black listed (Attach all certificates and affidavit of not black listing)

(A) Company Profile.

- | | | |
|-----|--|-----------------|
| i. | Period since Firm/Contractor is in construction business | 10 Marks |
| | Up to 5 Years | 02 Marks |
| | Up to 10 Years | 05 Marks |
| | Above 10 Years | 10 Marks |
| | (Attach PEC License for each year) | |
| ii. | Office facilities | 05 Marks |
| | In Sindh Province | 03 Marks |
| | In any other province /Islamabad | 01 Mark |
| | Outside Country | 01 Mark |

(B) General Experience Record. 40 Marks

- | | | |
|-----|--|----------|
| i. | Projects of Drainage Scheme
Completed over last 05 years costing about equivalent value
20 Marks for one project (basic requirement) | |
| | (Attach satisfactory completion certificates) | |
| ii. | Projects of similar nature and complexity in hand. | 20 Marks |
| | (10 Marks for each project having cost Rs. _____Million or above) | |

(Attach copies of work orders)

(C) Personnel Capabilities **required for this project** **20 Marks**
 Following factors shall be used as a guide line.

Sr. No.	Description/Position with qualification & experience	Number Required	Marks assigned	Remarks
1	BSc (Civil Engg:)/BE(Civil) Engineers registered with Pakistan Engineering Council (PEC) with experience of 5 years or above.	02	20	06 Marks for experience of 3 to 05 years. 09 Marks for above 10 years (Attach Tax payment challan showing at least 1 year continuous employment with firm 1 Additional Mark for MSc (Civil Engg:) / M.E (Civil)
2.	Diploma in Civil Engineering with experience of 2 years or above	04	10	Qualifying experience for Sub Engineer minimum Five(5) years

(D) Equipment Capability **10 Marks**

- (a). Critical equipment and number required for the project shall be specified by the applicant.
- (b) High value equipment should be an option to own, lease or hire.
- (c) Total equipment available with the applicant is to be listed along with its current mobilization on on-going project.
 (Details are to be provided in the attached form)

(E) Financial Soundness/Status **10 Marks**

For Financial Status assessment, the Applicants may be required to submit audited Financial Statements for the last three years, the procuring agency will make enquires with the firms / contractors bankers.

Working Capital in hand for this project/work (Attach proof of Bank Statement/Credit Facilities)

- | | | |
|------|--|----------|
| i. | Less than 15% of Estimated Cost of this Work | 01 Marks |
| ii. | Less than 25% of Estimated Cost of this Work | 02 Marks |
| iii. | Less than 40% of Estimated Cost of this Work | 04 Marks |
| iv. | More than 40% of Estimated Cost of this Work | 10 Marks |

Qualifying Score is 50%, but it is mandatory to obtain 40% in each section.

(2) Based on Yes/No or Pass/Fail System.

Mandatory Provisions / Eligibility: Firms/contractors must possess (i) valid registration certificate of PEC in the category CE-09 and CE10 discipline for 2014 year, (ii) valid registration certificate from income tax authority (NTN), and (iii) is not black listed (Attach all certificates and affidavit of not black listing)

Required Documents: It must include following information / documents:-

(A) Firm/Contractor have been in business of construction at least for 05 years.

(B) Experience and past projects performance.

(i). Have completed at least (1) scheme of Drainage having cost of at least 50 Million of the single project in the last Five (05) years.

(ii). Have executed at least one (01) project in similar geographical condition in last five (05 years).

(Attach performance certificates of completed projects)

(C) Key Personal Qualification & Experience

(Requirement will vary from assignment to assignment)

(i). **Site Engineers.** Qualification: B.E (Civil), Number ().
Experience: () Similar assignments,
() years experience.

(ii). **Sub Engineer/** Qualification: Diploma in Civil, Number; ()
Quantity Surveyors: Experience: () similar assignment,
() years experience.

(D) Equipment.

(a) Critical equipment and number required for the project shall be specified by the bidder (Attach list of equipment).

(b). High value equipment should be an option to own, lease or hire.

(c). Total equipment available with the applicant is to be listed along with its current mobilization on on-going projects

(E). Financial:

(i). Documentary evidence of financial position, bank statement or audited accounts last Three (03 Years)

(ii). Average Annual turnover of the last three years should not be less than thrice the cost of work under procurement.

Any other information.

- i) Details of disputes/litigation or arbitration with client if any.
- ii) Any other document/information desired by procuring agency.

G. BID EVALUATION PROCEDURE

S#	Name of Bidder	Eligibility points	wt: 80%	Final Eligibility	Financial Points (cost of lowest bidder/cost of bidder)×100=	Finan: wt: 20%	Final Finan: points	Combined Score Col(5+8)	Bid declared by the Committee
1	2	3	4	5	6	7	8	9	10

4. Section-III Application Forms.

A.I **Application Submission Form** (The covering letter is to be submitted by the interested firm/contractor partner responsible for a joint venture, on appropriate company letter head.

1. CONTRACT AGREEMENT

The Contractor shall within 07 days of issuance of letter of award/intent or when called upon. To do so enter and execute a Contract Agreement on PWD format as annexed with the tender.

2. PERFORMANCE SECURITY

The Contractor shall obtain (at his cost) a Performance Security for proper performance, 5% of the Contract/bidding Amount and denominated in the currency (ies) of the Contract or in a freely convertible currency acceptable to the Procuring Agency.

The Contractor shall deliver the Performance Security to the Procuring Agency. within 28 days after receiving the Letter of Acceptance. The Performance Security shall be issued by a reputable bank or financial institution selected by the Contractor, and shall be in the form as provided by the Procuring Agency.

The Contractor shall ensure that the Performance Security is valid and enforceable until the Contractor has executed and completed the Works i/c O & M period and remedied and defects. If the terms of the Performance Security specify its expiry date, and the Contractor has not become entitled to receive the Performance Certificate by the date 28 days prior to the expiry date, the Contractor shall extend the validity of the Performance Security until the Works have been completed and any defects have been remedied.

The Procuring Agency shall not make a claim under the Performance Security, except for amounts to which the Employer is entitled under the Contract.

The Procuring Agency shall indemnify and hold the contractor harmless against and from all damages, losses and expenses (including legal fees and expenses) resulting from claim under the Performance Security to the extent to which the Employer was not entitled to make the claim.

The Procuring Agency shall return the Performance Security to the Contractor within 21 days after receiving a copy of the Performance Certificate.

Without limitation to the provisions of the rest of this Sub-Clause, whenever the Procuring Agency determines an addition or a reduction to the Contract Price as a result of a change in cost and/or legislation, or as a result of a Variation, amounting to more than 25 percent of the portion of the Contract Price payable in a specific currency, the Contractor shall at the Procuring Agency's request promptly increase, or may decrease, as the case may be, the value of the Performance Security in that currency by an equal percentage.

To,

The Executive Engineer,
Public Health Engineering,
Division # I Hyderabad

WHEREAS the contract of **Rehabilitation of Rural Drainage Schemes in Hyderabad Districts including One Year Operation and Maintenance of Schemes** has been awarded to M/s _____ (hereinafter called the Contractor).

AND WHEREAS under the terms of the said contract vide letter of Intent No. _____, dated _____ you have agreed to advance a sum of Rs. _____ (Rupees _____) only to the Contractor M/s _____

for execution of the said work. This advance is to be recovered proportionately at the rate of 25% from each running bill of the Contractor for the subject work, till the entire amount is recovered.

IN CONSIDERATION OF THE ABOVE, I/ we M/s _____ at _____ of _____ Bank Guarantee _____ to you for Contract terms and the above amount Rs. _____ (Rupees _____) only on behalf of the Contractor, and in default thereof we undertake to pay you on demand any sum upto _____ but not exceeding Rs. _____ (Rupees _____) only of the outstanding amount of

advance given by you to the said Contractor upto the date of such demand, provided always our liability hereunder shall not exceed the aggregate amount of Rs. _____ (Rupees _____) only.

THIS GUARANTEE shall be irrevocable and we shall make an unconditional payment to you of the aforesaid amount on demand without further question and without any reference to the said Contractor.

Sd/-

To,

The Executive Engineer,
Public Health Engineering,
Division I Hyderabad

Dear Sir,

SUBJECT: Financial Proposal and Documents/information required for "Rehabilitation or Rural Drainage Schemes in Hyderabad District including One Year Operation & Maintenance of Schemes.

Dear Sir,

I/We _____ the undersigned, being duly authorized to represent and act on of _____ submit the financial proposal and required Documents/Information for the project above and enclose one original copy of Financial Proposal and required documents/information and the following.

- (a) I have examined and have no reservations to the Document, including Ad No.(s) _____, issued in accordance with ITB Clause-6.
 - (b). I understand that Procuring Agency may cancel the tendering process at any time an Procuring Agency is not bound either to accept any application that it may receive or financial proposals of technically disqualified bidders, without incurring any liability applicants.
 - (c). Bids by technically qualified applicants will be subject to verification of all information submitted at the time of bidding.
 - (d) Agency reserves the right to amend the scope and value of any contract under this project.
4. The Procuring Agency and its authorized representative (s) may contact the following persons (s) for further information, if needed.

Person to be contacted:

Telephone: _____

5. The undersigned declares that the statements and the information provided are complete and correct in every detail.

Signed

Name: _____

A-II

1. Company Profile

Date: _____

Contract: _____

All individual firms and each partner of a joint venture applying for submission of Technical Proposal requested to complete the information in this form.

1.	Name of Firm (legal): (In case of Joint Venture (JV), legal name of each partner:
2.	Nature of Business: (Whether the firm is a Corporation, Partnership, Trust etc) (In Case of Consortium, whether the lead consortium member is a corporation, partnership, Trust etc)
3.	Head Office Address
4.	Telephone Fax Numbers: E-Mail Address:
5.	Place of Incorporation/Registration: Year of incorporation / registration:
6.	Applicant's authorized representative: Telephone Fax Number E-mail address:
7.	NATIONALITY OF OWNERS Name _____ Country _____

A-III**2. General Experience Record**

- (i). Details of Contracts of Similar Nature and Complexity completed over last 05 years.

Sr.No.	1	2	3	4	5
Name of Contract:					
Country:					
Name of Procuring Agency with Address, Telephone, Fax					
Nature of Works and special features relevant to the contract for which applied.					
Contract Role (Mention: Sole, Sub-Contractor or Partner in a Joint Venture)					
Value of the total contract in Pak/Rs:					
Date of Award					
Date of Completion					

(ii) Projects of Similar nature and complexity in hand.

Firms/Contractor and each partner of the joint venture should provide information on their current commitments on all contractors that have been awarded, or for which a letter of intend or acceptance has been received, or for contracts approaching completion, but for which substantial Completion Certificate has yet to be issued.

Name of Contract	Value of Contract	Name of Procuring Agency	Value of Outstanding work (Equivalent Pak Rs. Millions)	Estimated Completion Date

(iii) Projects executed in similar geographical conditions in last five (5) years.

Sr.No.	1	2	3	4	5
Name of Contract:					
Country:					
Name of Procuring Agency with Address, Telephone, Fax					
Nature of Works and special features relevant to the contract for which applied.					
Contract Role (Mention: Sole, Sub-Contractor or Partner in a Joint Venture)					
Value of the total contract in Pak/Rs:					
Date of Award					
Date of Completion					

A-IV

4 (A) Personnel Capabilities

Firm / Contractor should provide the names of suitability qualified personnel to meet the specified requirements stated in Section-3(Evaluation and Qualification Criteria). The data on their experience should be supplied using the Form below for each candidate.

Sr. No.	Title of Position	Name/Present Address with Contact Nos.
1.		
2.		
3.		
4.		
5.		

A-V.

5, Equipment Capabilities

Firm/Contractor shall provide adequate information to demonstrate clearly that capability to meet the requirements for the key equipment listed in Section-3 (Evaluation Qualification Criteria) A Separate Form Shall be prepared for each item of equipment for alternative equipment proposed by the Bidder.

Sr. No.	Name of Equipment	Name of Manufacture	Model and Power rating	Capacity	Year of Manufacture	Current Location	Sources Owned,I Leased Specially Manufacture
1.							
2.							
3.							
4.							
5.							
6.							
7.							
8.							
9.							
10.							

A-VI.

6. Following information shall be provided if equipment is not owned by the Bidder.

Sr. No.	Name of Equipment	Name of Owner	Address of Owner	Contact name and title with Telephone Fax & Email	Agreement Details of rental lease/ manufacture agreements specified to the Project
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					

A-VII**7. Financial Resources.****A. Banker's Information**

Sr. No.	Name & Address of Bank	Contact name and title with Telephone, Fax, E-Mail	
1.			

B. Financial Status: (Summarize actual assets and liabilities in Pak Rupees (Equivalent at the current rate of exchange at the end of each year, for the previous three years). A copy of the audited balance sheets should be attached.

Information from Balance Sheet/Income Statement	Year-I	Year-2	Year-3
1. Total Assets (T)			
2. Total Liabilities (TL)			
3. Current Assets (CA)			
4. Current Liabilities (CL)			
5. Total Revenues (TR)			
6. Profits Before Taxes (PBT)			
7. Profits After Taxes (PAT)			

C. Annual turnover data (Construction only)

Year Amount and Currency Rupees in Million

- 1.
- 2.
- 3.

Average annual construction turnover calculated as total certified payments received for work in progress or completed, divided by the number of years specified in Section-III, Qualification Criteria, Normally not be less than $2 \times V/T$, the estimated annual turnover or cash flow in the subject contract based on a straight-line projection of the Employer's Estimated cost (V) including contingencies, over the contract duration (T). The multiplier of two may be reduced for very large contracts but should be not be less than 1.5

8. Litigation History

Applicants, including each of the partners of a joint, venture, should provide information on any history of litigation or arbitration resulting from contracts executed in the last five year or currently under execute). A separate sheets should be used for each partners of joint venture.

A. Decided Litigation

Year.	Award for or Against Applicant	Name of Client, Cause of litigation, and matter in dispute	Disputed amount (Current Value Pak Rs. Or equivalent)

B. Pending Litigation

Year.	Matter in Dispute	Value of Pending Claim in USS Equivalent	Value of pending claim as a percentage of Net Woth

Section IV. Scope of Contract: (Description of works and Period of completion)

Sr. No.	Name of Work	Estimated Cost Million	Earnest Money Million	Completion Period	Tender Fee
1.	-----As detailed in NIT-----	7.194	0.144	9 Months	3000/-

Specification drawings, items of works and quantities of items are provided in Financial Proposal Documents.

SCHEDULE (A)

TERMS & CONDITIONS OF CONTRACT.

- 1. The Sindh sales tax special procedure (with holding) rules, 2011 shall apply to taxable services as are needed, provided or rendered to persons, specified as with holding agents, in the with holding procedure, for the purpose of deduction and deposit of sales tax.**
2. The Contract/Firm has to arrange potable water to use in construction on his cost.
3. The Contractor shall have to pay 0.30% of contract cost in shape of revenue stamp duty at the time of agreement.
4. 10% deposit will be recovered from contractor 2% in shape of call deposit along with bid and 8% shall be with held in all running bills.
5. All the material of approved quality will be used, Sample of the material, fixture, cement hill sand, crush, bricks pipes, fitting, UPVC, Electrical will be got approved in advance / before execution. For Pumping Machinery, Diesel Engine & Generator, Contractor will provide Manufacturers certificate which will be verified by Incharge Engineer before making payment samples shall be collected from each new lot stacked at site in the presence of Executive Engineer or representatives and jointly sealed and got tested from approved laboratory at contractor's own cost in case the contractor fails to comply with this condition.
6. The Contractor shall maintain at the site of work "Site Order Book" (of triplicate leaves) at his own cost for taking instructions and directions from the supervising monitoring officers/officials
7. The contractor shall at his own cost provide a suitable size high visibility signboard at each location indicating the details of project as approved by the Engineer in charge
8. No premium shall be allowed on non-schedule item and 1 year operation & maintenance component.
9. On successful completion of 1 year operation & maintenance, the contractor shall hand over the scheme to concerned Executive Engineer in sound and satisfactory running condition.

10. PAYMENT MECHANISM.

- A) The Contractor shall submit running bills against the work done at site to Executive Engineer for verification and payment.
- B) Payment against 1 year operation & maintenance shall be made on monthly basis, evenly divided in 12 months for each completed scheme.
- C) No cost escalation shall be allowed on operation & maintenance component or part there of.
- D) The contractor shall submit copy of each paid electricity bill to Executive Engineer every month regularly.
- E) Premium will be allowed on O/M item/Cost.

**EXECUTIVE ENGINEER
PUBLIC HEALTH ENGG: DIVISION I
HYDERABAD**



TENDER FOR THE WORK

Issue to M/s _____ Tender fee for Rs. _____ Recieved
Vide. _____ D.R No. _____ Dated: _____
_____ Dated of opening of Tender _____

**EXECUTIVE ENGINEER
PUBLIC HEALTH ENGG:DIVN: I
HYDERABAD**

I/We hereby tender the execution for the Rehabilitation of Rural Drainage Schemes i/c One Year Operations & Maintenance of Schemes under written memorandum within the specified time in such memorandum at.

Percent ABOVE/BELOW the Estimate rated entered in the Schedule "B" Memorandum showing items of work to be carried out and in all respect with the specification designed and instructions writing referred to in Rule thereof.

- a). General Description: Rehabilitation of Rural Drainage Scheme i/c One Year Operations & Maintenance of Schemes.
- b). Estimated Cost: Rs: 7.194 Millions
- c). Earnest Money 2% Call Deposit: Rs: 0.144
- g). Time of Completion 9 Months

Should be this tender be accepted I/We hereby agree to abide be the fulfill all the terms and provisions of the conditions of contract annexed hereto so as applicable and in default hereof to forfeit any pay the _____ the sum of money mentioned in the said conditions.

Receipt No. _____ Dated: _____ from the Government Treasury / Sub-Treasury / _____ in respect of the sum of the Rs. _____ is her with forwarded representing the earnest money

- a). The full value of which is to be absolutely forfeited to PHE Division # I Hyderabad deposited the full amount of Security Deposit specified in the above memorandum in accordance with Clause of the said conditions otherwise the sum of Rs. _____ shall be remained by the PHE Division # I Hyderabad on account of such Security Deposit specified in relevant Clause of the conditions/agreement.

N.B The Tender is required to undertake that all terms and conditions of the printed B-I Forms inclusive of the additional conditions etc approved by the Executive Engineer PHE Division # I Hyderabad will be binding on him and these will be includes and signed by him in the even acceptance of his tender.

**EXECUTIVE ENGINEER
PUBLIC HEALTH ENGG: DIVISION I
HYDERABAD**

SCHEDULE 'B'

Head of Account : SC-21021(021)KA-4534 P.H. Services

Name of Work : REHABILITATION OF O/M RURAL DRAINAGE SCHEME
TANDO HYDER TALUKA HYDERABAD (R) DISTRICT
HYDERABAD

S.#	Item	Qty	Rate	Unit	Amount
-----	------	-----	------	------	--------

GROUP 'A' REPAIR/NEW SURFACE DRAINS

1. Earth work excavation in ashes, sand, soft, soil or silt clearance undressed lead upto 50'ft(GSINO.2 P-1)
28639.0 Cft @Rs: 1663/75 P%oCft Rs: 47648/-
2. Extra for wet earth work.(GSINO.15 P-3)
28639.0 Cft @Rs: 1058/75 P%oCft Rs: 30322/-
3. Dismantling brick work in lime or cement mortar. (GSINO.13 P-10)
992.0 Cft @Rs: 1285/63 P%Cft Rs: 12753/-
4. Dismantling c.c. reinforced separating reinforcement from concrete cleaning and straightening the same.(GSINO.20 P-10)
392.0 Cft @Rs: 5445/- P%Cft Rs: 21344/-
5. Cleaning of collecting tank/sump below ground level i/c dewatering of sludge water & disposal of garbage, solid waste etc: out side the tank etc: complete.(PHSINO.T-1 P-59)
1884.0 Cft @Rs: 11900/- P%oCft Rs: 22420/-
6. Carriage of 100cft/5 tons of all materials like stone aggregate, spawl, coal, lime, Surkhi etc: B.G Rail fastenings points and crossing bridges, Girders, pipe, Sheets Rails M.S Bars etc. or 1000 Nos 10"x5"x3" or 1000 Nos tiles 12"x6"x2"or 150 cft Of timber or 100 mounds of fuel wood by trucks or any other means owned by the Contractor.(SSINO.1 P/1)(Lead 3 miles)
31908.0 Cft @Rs: 579/41 P%Cft Rs: 184878/-
7. Hire charges of pumping set of upto 10 H.P (but not less than6 H.P) pumping out water from 10 ft: deep trenches.(PHSINO. Iv P77).
10.0 Days @Rs: 1000/- P.Days Rs: 10000/-
8. Excavation in foundation in building bridges and other structure i/c day belling dressing refilling around structure with excavated earth watering and ramming lead up to one chain (In ordinary soil)(GSINO.18(b)P/4)
32143.0 Cft @Rs: 3176/25 P%oCft Rs: 102094/-
9. Cement concrete plain including placing compacting finishing and curing, complete (i/c screening and washing of stone aggregate without shuttering (GSI No5 P/15) R: 1:4:8
4845.0 Cft @Rs: 11288/75 P%Cft Rs: 546940/-
10. Pacca brick work in foundation & plinth in cement sand mortar (1:6)(GSINO.4(e)P-20)
18917.0 Cft @Rs: 11948/36 P%Cft Rs: 2260271/-

S.#	Item	Qty	Rate	Unit	Amount
-----	------	-----	------	------	--------

11. Cement plaster 1:4 up to 12' height 1/2" thick R(1:4)(GSINO.11(b) P-52)
- 31756.0 Sft @Rs: 2283/93 P%Sft Rs: 725285/-
12. Construction of standard open drain cunette block of c.c (1:2:4)in situ to the design Profile i/c cost of mould as per drawing i/c applying floating cost of cement 1:32"thick To the exposed face finished smooth cutting etc complete as per detailed drawing. (PHSI No.D(i-ii)P/58)
- T-I 3000.0 Rft @Rs: 94/- P.Rft Rs: 282000/-
- T-II 2500.0 Rft @Rs: 174/- P.Rft Rs: 435000/-
- T-III 1000.0 Rft @Rs: 309/- P.Rft Rs: 309000/-
13. Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms moulds, lifting, shuttering curing rendering and finishing the exposed surface)(including screening and washing of shingle)(a)R.C. Work in roof slab, beams, columns, rafts, lintels and other structural members laid in situ or precast laid in position complete in all respect(i)Ratio 1:2:4)90 lbs cement 2 cft sand 4 cft shingle 1/8" to 1/4" guage.(G.S.I.NO;6(a)P/17)
- 548.0 Cft @Rs: 337/- P.Cft Rs: 184676/-
14. Fabrication of mild steel reinforcement for cement concrete including cutting bending laying in position making joints and fastenings including cost of binding wire (also includes removal of rust from bars(G.S.I.NO.8(bP/17)
- 19.57 Cwt @Rs: 5001/70 P.Cwt Rs: 97883/-
- Total Rs: 5272514/-**

GROUP 'B'PUMPING MACHINERY 10 BHP

1. Supplying and installing in position to site of work @ Disposal work electric pumping set consisting of A.C electric motor of 10 BHP 3 Phase 50 cycles 400/420 volts 1450 RPM 1LA7-133-4 AA 60 coupled with Colloguing sludge pump KSB(Type KWZ 65-315) size 4"x3" mounted on common steel frame or base plate capable of discharging 160 gallons minute against a head of 60 ft i/c installation of pumping set on c.c foundation ratio (1:2:4) and ratio (1:4:8) with ballast with M.S nuts and bolts of 5/8" dia to be embedded in c.c foundation i/c providing and fixing on prepared board A.C 50 cycles 3 phase 12/25 ampere trips rating push button type star delta starter complete with no volts and over lead release and required i/c providing and fixing on prepared board iron (clad) triple pole and neutral switch fuse with rewirable type fuse link carried 500 volts grade 30 ampere providing and fixing metallated board to accommodate main or sub mains control switch's recessed in the wall size 3"x2 1/2" i/c providing phase indication bulbs with holder and providing internal electric wiring for mains with PVC insulated wire 660 volts grade in 25mm (1") PVC conduit on surface as required i/c providing and fixing earthing set with 2x2x1/4" Cape G.I. plate buried in the ground @ depth 12" for base plate and testing of the pumping set against the required head for 72 hours etc: complete.
- 2.0 Set @Rs: 743150/- P.Set Rs: 1486300/-
2. Manufacturing and installing M.S pipe made out of M.S lead 3/16" thick bending folding to correct curvature and shape i/c melding complete (R.A Approved Based on schedule)
- 3" dia 82.0 Rft @Rs: 385/89 P.Rft Rs: 31643/-
3. Manufacturing and installing with welding M.S flanged made out of M.S sheet 4/8" thick i/c cutting drilling holes etc complete (R.A. Approved Based on Schedule)
- 3" dia 26.0 Nos @Rs: 500/89 Each Rs: 13023/-

S.#	Item	Qty	Rate	Unit	Amount
4.	C.I. Sluice valve heavy pattern (Test pressure)21.0 kg/sq.com or 300lb/sq.inch)(imported)(SMINO..2(a)P-12) 3”dia	2 Nos	@Rs: 4290/-	Each	Rs: 8580/-
5.	Reflex valve heavy pattern (Test pressure 21 kg/sq.cm or 300 lbs/sq.inch)(imported)(SMINO.6(a)P-12) 3”dia	2 Nos	@Rs: 1543/75	Each	Rs: 3088/-
6.	Foot valve heavy pattern with cone type gate.(imported)(SMINO. 4(a)P-11) 3”dia	2 Nos	@Rs: 731/25	Each	Rs: 1463/-
7.	C.I. Tee flanged end with holes including turning and facing of flanged for all size. (SMINO.12 P-13) Tee 3x3x3	0.356 Cwt	@Rs: 6096/-	P.Cwt	Rs: 2170/-
8.	C.I. Bend with flanged end with holes i/c turning and facing of flanges for all sizes. (SMINO. 8 P-13) 3” dia	0.525 Cwt	@Rs: 6096/-	P.Cwt	Rs: 3200/-
9.	C.I Tappers flat bottomed or central tapered flanged end with holes i/c turning and facing of flanged for all sizes (SMI NO 9 P/12) 3”x21/2”	0.206 Cwt	@Rs: 6096/-	P.Cwt	Rs: 1256/-
10.	Jointing C.I/M.S. flanged pipes and specials flanged and inside a trenches i/c supplying rubber packing of the required thickness nuts, bolts with washers etc: and other tools required for jointing and testing the joints to the specified pressure etc: complete.(PHSINO. N-1 P-40) 4”dia	28.0 Joint	@Rs: 499/-	P.Joint	Rs: 13972/-
12.	Providing and laying (main or sub main) insulated wire with size 3-7/0.64 (10mm2)Copper conduction 1” dia PVC conduit on surface.(ESI NO.21 P/3) 60.0 Meter		@Rs: 892/-	P.Meter	Rs: 53520/-
					Total Rs: 1618215/-

GROUP ‘C’ RENOVATION OF DISPOSAL WORK

1.	Painting Old surface ‘C’ painting door & window any type. (GSINO.4(c)P-68) 302.0 Sft		@Rs: 1662/21	P%Sft	Rs: 5020/-
2.	Colour wash three coats. (GSINO. 25 (a,b)P-53) 4636.0 Sft		@Rs: 1303/17	P%Sft	Rs: 60415/-
3.	White Wash Three coats.(GSINO.26(C)P-53) 204.0 Sft		@Rs: 829/95	P%Sft	Rs: 1693/-
4.	Cement Plaster 1:4 upto 12’ ¾” thick. (GSINO. 11(c) P-52) 933.0 Sft		@Rs: 3015/76	P%Sft	Rs: 28137/-
5.	C.C. Plain i/c placing compacting finishing and curing complete (i/c screening and washing of stone aggregate)without shuttering.(GSINO. 5 F P-16) 60.0 Cft		@Rs: 14429/25	P%Cft	Rs: 8658/-
					Total Rs: 103923/-

S.#	Item	Qty	Rate	Unit	Amount
-----	------	-----	------	------	--------

GROUP 'D' RCC PIPE 15" DIA

- | | | | | | |
|----|--|-----------|-------------|--------|--------------------------|
| 1. | Excavation for pipe lines into trenches and pits in soft soil i/c trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade cutting joint holes and disposal of surplus earth within a one chain as directed by Engineer in charge providing fence guards lights flags and temporary crossing for non vehicular traffic where ever required lift upto 5'ft(1.52m) and lead upto one chain (30.5mm)(P.H.S.I.NO. 1 P/60) | 640.0 Cft | @Rs: 3600/- | P%ocft | Rs: 2304/- |
| 2. | Providing Laying RCC pipe of ASTM C-76-62 T/C-76-70 of class II wall B and fixing in trenches i/c cutting, fitting and jointing with rubber ring i/c testing with water to specified pressure.(PHSINO.B-I P-17))
15"dia | 32.0 Rft | @Rs: 515/- | P.Rft | Rs: 16480/- |
| 3. | Refilling the excavated stuff in trenches 6" thick layers i/c watering ramming to full compaction etc: complete.(PHSINO.24 P-77) | 576.0 Cft | @Rs: 2760/- | P%oCft | <u>Rs: 1590/-</u> |
| | | | | | Total Rs: 20374/- |

CONDITION

1. Any error omission in description of item Qty: and unit will be governed by relevant schedule of rates & relevant rate analysis.
2. The Decision of the Superintending Engineer, PHE Circle Hyderabad will be final & binding on all parties in any shape.
3. The rate should be inclusive of all taxes.
4. No. Separate carriage will be paid.
5. No. Premium will be allowed on non schedule item.

CONTRACTOR

**EXECUTIVE ENGINEER
PUBLIC HEALTH ENGG:DIVN NO I
HYDERABAD**

**DETAILED WORKING ESTIMATE FOR ANNUAL OPERATION AND
MAINTENANCE COST OF RURAL DRAINAGE SCHEME TANDO HYDER
TALUKA HYDERABAD (RURAL) DISTRICT HYDERABAD**

**ABSTRACT OF COST
(OPERATION & MAINTENANCE)**

(A) ESTABLISHMENT RS: 252000/-

(B) ELECTRICAL & MECHANICAL
CHARGES RS: 132920/-

(C) ANNUAL MAINTENANCE
& REPAIR CHARGES RS: 142899/-

TOTAL RS: 527819/-

ADD: 2% CONTINGENCIES RS: 10556/-

TOTAL RS: 538375/-

Total Cost for O/M of the scheme for One year Rs: 538375/-

ASSISTANT ENGINEER
PUBLIC HEALTH ENGG:S/DIVISION II
HYDERABAD

EXECUTIVE ENGINEER
PUBLIC HEALTH ENGG:DIVISION I
HYDERABAD

**DETAILED WORKING ESTIMATE FOR ANNUAL OPERATION AND
MAINTENANCE COST OF RURAL DRAINAGE SCHEME TANDO HYDER
TALUKA HYDERABAD (RURAL) DISTRICT HYDERABAD**

(A) ESTABLISHMENT

1.	Pump Operator.	1x12.0	= 12.0 Months	
	12 Months	@Rs: 7000/-	P.Months	Rs: 84000/-
2.	Chowkidar/Helper.	1x12.0	= 12.0 Months	
	12 Months	@Rs: 7000/-	P.Months	Rs: 84000/-
3.	Sweeper.	1x12.0	= 12.0 Months	
	12 Months	@Rs: 7000/-	P.Months	Rs: 84000/-
			Total	Rs: 252000/-

(B) ELECTRICAL & MECHANICAL CHARGES

i.	<u>Electric Charges</u>			
		1x10x0.746x2x365	= 5445.80 Units	
	5446.0 Units	@Rs: 20/-	P. Units	Rs: 108920/-
ii.	Provision for Lubricant such as Grease, Cotton, Waste and oil etc:			
		1x12.0	= 12.0 Months	
	12.0 Months	@Rs: 2000/-	P.M.	Rs: 24000/-
			Total	Rs: 132920/-

(C) ANNUAL MAINTENANCE & REPAIR CHARGES

6 2/3 i.e capital cost of Pumping Machinery

	<u>2143489x20</u>	Rs: 142899/-
	100x3	Total Rs: 142899/-

ASSISTANT ENGINEER
PUBLIC HEALTH ENGG:S/DIVISION II
HYDERABAD

EXECUTIVE ENGINEER
PUBLIC HEALTH ENGG:DIVISION I
HYDERABAD

PUBLIC HEALTH ENGINEERING DEPARTMENT
GOVERNMENT OF SINDH

PUBLIC HEALTH ENGINEERING DIVISION # 1 HYDERABAD



**BIDDING DOCUMENTS WITH FINANCIAL
PROPOSAL**

FOR

NAME OF WORK:-

Rehabilitation of Rural Water Supply Scheme
Detha District Hyderabad including one year
Operation & Maintenance of Schemes

Name of Department:	Public Health Engineering Department.
Name of Procuring Agency:	Executive Engineer, Public Health Engg: Division # 1 Hyderabad

Document issued to:- _____

1. Introduction:

Office of the Executive Engineer, PHE Division # 1 Hyderabad intends to carry out the work for “**Rehabilitation of Rural Water Supply Schemes in District Hyderabad including One (1) Year Operation and Maintenance of Schemes**”

(i) Scope:

Rehabilitation of Rural Water Supply Schemes i/c One Year Operations & Maintenance of Schemes in following Districts:

S #	Name of Schemes	Taluka
1.	Rehabilitation of Water Supply Scheme Detha	Hyderabad (Rural)

(ii). **Estimate Cost:** Rs. 2.911 (In Million)

(iii). **Completion Period:** 09 Months

- **Eligibility:** Valid Registration with Pakistan Engineering Council in Valid Category and field of specialization CE-09 & -10
- Applicants will be informed in due course of time, for the result of the evaluation. The financial proposals of only those firms/bidders will be entertained/accepted who will obtain the minimum criteria / qualifying score based on Marks / Score (SECTION-II)

2. **Section-I Instruction To Bidders/Applicants (ITB)**

Clause-I

The firm/contractor shall enclose the original copy of the documents in a sealed envelope along with Financial Proposal which shall:-

- (a) Bear the name and address of the Applicant.
- (b) Be delivered by hand or through courier/registered mail to address mentioned in advertisement (N.I.T) for the work.
- (c) Be clearly marked “Application for submission of Financial Proposal & Information / Documents

FOR

Rehabilitation of Rural Water Supply in Hyderabad District i/c One Year O/M of Schemes.

Clause-2

If the envelope is not sealed and marked as required, the procuring agency will assume no responsibility for the misplacement or pre-maturing opening of the document.

Clause-3

Document shall be prepared in English Language.

Clause-4

Firm/Contractor must respond to all questions and provide complete information as advised in this document. Any lapses to provide essential information may result in dis-qualification of the firm/contractor.

Clause-5 Clarification and Modification of Documents (SPP Rule-23)

Firm/Contractor, who has obtained documents, may request for clarification of contents bidding document in writing, and respond to such queries shall be made in writing within calendar days, provided they are received at least five calendar days prior to the date of open bid.

Clause-6 Addendum:

At any time prior to the deadline for submission of documents the procuring agency may amend the Document by issuing addenda. Any addendum issued shall be part of the Document shall be communicated in writing to all who have obtained the bidding document.

Clause-7 Deadline for submission of Documents (SPP Rule 22 & 24)

Documents shall be received by the procuring agency at the address Executive Engineer, PHE Division # 1 Hyderabad Telephone **9210353** not later than the _____ up to **1:00 PM** and tenders will be opened on _____ at **2:00 PM** in the presence of contractor or their authorized representatives. The procuring agency may, at its discretion, extend the deadline for the submission of documents by amend in subject to the previous deadline shall thereafter be subject to the deadline as extended.

Clause-8 Evaluation (Rule 27 (2)):

Firm/Contractors, general and particular experience, personnel and equipment capabilities, and financial position, as demonstrated by the Applicant's responses in prescribed forms will be evaluated as per evaluation criteria given in the document. The procurer agency reserves the right to waive minor deviations, if these don't materially affect the capability of an applicant to perform the contract. Sub-Engineer's experience and resources shall not be taken into account in determining the firm/contractor compliance with the qualifying criteria firms will be considered for similar treatment as in case of Joint Venture.

Clause-9 Clarification of Prequalification Information (Rule 43):

To assist the evaluation information, the agency may, at its discretion, ask any firm/contractor for a clarification information which shall be submitted within a stated reasonable period of time. Any request clarification shall be in writing. If any firm/contractor does not provide clarifications/ information requested by the date and time set in the agencies request for clarification application of the firm/contractor may be rejected.

Clause-10 Verification of

Documents / Information (Rule 28 (Id):

Verification of the information provided by the firms/contractors in the submissions for bidding along with Financial Proposal made. In case the information is found to be wrong or incorrect in any material way firm/contractor is found to be taking in the capability or resources to successfully perform contract, then it shall not be entertained and financial proposal submitted will not be accepted.

3. Section-II: Evaluation / Qualification Criteria.

1. Criteria based on Marks/Score

Mandatory Provisions/Eligibility: Firms/Contractors must possess (i) valid registration certificate of PEC for the year 2015 in the relevant category CE-09-10 discipline (ii) valid registration certificate from income tax authority (NTN), (iii) at least Two contract of equivalent value in last five years (iv) Litigation Affidavit by Bidder (v) Audited Accounts of Last 3 Years (vi) Firm/Contractors is not black listed (Attach all certificates and affidavit of not black listing)

(A) Company Profile.

- | | | |
|-----|--|-----------------|
| i. | Period since Firm/Contractor is in construction business | 10 Marks |
| | Up to 5 Years | 02 Marks |
| | Up to 10 Years | 05 Marks |
| | Above 10 Years | 10 Marks |
| | (Attach PEC License for each year) | |
| ii. | Office facilities | 05 Marks |
| | In Sindh Province | 03 Marks |
| | In any other province /Islamabad | 01 Mark |
| | Outside Country | 01 Mark |

(B) General Experience Record. 40 Marks

- | | | |
|-----|--|----------|
| i. | Projects of Water Supply Scheme
Completed over last 05 years costing about equivalent value
20 Marks for one project (basic requirement) | |
| | (Attach satisfactory completion certificates) | |
| ii. | Projects of similar nature and complexity in hand. | 20 Marks |
| | (10 Marks for each project having cost Rs. _____Million or above) | |

(Attach copies of work orders)

(C) Personnel Capabilities **required for this project** **20 Marks**
Following factors shall be used as a guide line.

Sr. No.	Description/Position with qualification & experience	Number Required	Marks assigned	Remarks
1	BSc (Civil Engg:)/BE(Civil) Engineers registered with Pakistan Engineering Council (PEC) with experience of 5 years or above.	02	20	06 Marks for experience of 3 to 05 years. 09 Marks for above 10 years (Attach Tax payment challan showing at least 1 year continuous employment with firm 1 Additional Mark for MSc (Civil Engg:) / M.E (Civil)
2.	Diploma in Civil Engineering with experience of 2 years or above	04	10	Qualifying experience for Sub Engineer minimum Five(5) years

(D) Equipment Capability **10 Marks**

- (a). Critical equipment and number required for the project shall be specified by the applicant.
- (b) High value equipment should be an option to own, lease or hire.
- (c) Total equipment available with the applicant is to be listed along with its current mobilization on on-going project.
(Details are to be provided in the attached form)

(E) Financial Soundness/Status **10 Marks**

For Financial Status assessment, the Applicants may be required to submit audited Financial Statements for the last three years, the procuring agency will make enquires with the firms / contractors bankers.

Working Capital in hand for this project/work (Attach proof of Bank Statement/Credit Facilities)

- | | | |
|------|--|----------|
| i. | Less than 15% of Estimated Cost of this Work | 01 Marks |
| ii. | Less than 25% of Estimated Cost of this Work | 02 Marks |
| iii. | Less than 40% of Estimated Cost of this Work | 04 Marks |
| iv. | More than 40% of Estimated Cost of this Work | 10 Marks |

Qualifying Score is 50%, but it is mandatory to obtain 40% in each section.

(2) Based on Yes/No or Pass/Fail System.

Mandatory Provisions / Eligibility: Firms/contractors must possess (i) valid registration certificate of PEC in the category CE-09 and CE10 discipline for 2014 year, (ii) valid registration certificate from income tax authority (NTN), and (iii) is not black listed (Attach all certificates and affidavit of not black listing)

Required Documents: It must include following information / documents:-

(A) Firm/Contractor have been in business of construction at least for 05 years.

(B) Experience and past projects performance.

(i). Have completed at least (1) scheme of water supply having cost of at least 50 Million of the single project in the last Five (05) years.

(ii). Have executed at least one (01) project in similar geographical condition in last five (05 years).

(Attach performance certificates of completed projects)

(C) Key Personal Qualification & Experience

(Requirement will vary from assignment to assignment)

(i). **Site Engineers.** Qualification: B.E (Civil), Number ().
Experience: () Similar assignments,
() years experience.

(ii). **Sub Engineer/** Qualification: Diploma in Civil, Number; ()
Quantity Surveyors: Experience: () similar assignment,
() years experience.

(D) Equipment.

(a) Critical equipment and number required for the project shall be specified by the bidder (Attach list of equipment).

(b). High value equipment should be an option to own, lease or hire.

(c). Total equipment available with the applicant is to be listed along with its current mobilization on on-going projects

(E). Financial:

(i). Documentary evidence of financial position, bank statement or audited accounts last Three (03 Years)

(ii). Average Annual turnover of the last three years should not be less than thrice the cost of work under procurement.

Any other information.

- i) Details of disputes/litigation or arbitration with client if any.
- ii) Any other document/information desired by procuring agency.

G. BID EVALUATION PROCEDURE

S#	Name of Bidder	Eligibility points	wt: 80%	Final Eligibility	Financial Points (cost of lowest bidder/cost of bidder)×100=	Finan: wt: 20%	Final Finan: points	Combined Score Col(5+8)	Bid declared by the Committee
1	2	3	4	5	6	7	8	9	10

4. Section-III Application Forms.

A.I **Application Submission Form** (The covering letter is to be submitted by the interested firm/contractor partner responsible for a joint venture, on appropriate company letter head.

1. CONTRACT AGREEMENT

The Contractor shall within 07 days of issuance of letter of award/intent or when called upon. To do so enter and execute a Contract Agreement on PWD format as annexed with the tender.

2. PERFORMANCE SECURITY

The Contractor shall obtain (at his cost) a Performance Security for proper performance, 5% of the Contract/bidding Amount and denominated in the currency (ies) of the Contract or in a freely convertible currency acceptable to the Procuring Agency.

The Contractor shall deliver the Performance Security to the Procuring Agency. within 28 days after receiving the Letter of Acceptance. The Performance Security shall be issued by a reputable bank or financial institution selected by the Contractor, and shall be in the form as provided by the Procuring Agency.

The Contractor shall ensure that the Performance Security is valid and enforceable until the Contractor has executed and completed the Works i/c O & M period and remedied and defects. If the terms of the Performance Security specify its expiry date, and the Contractor has not become entitled to receive the Performance Certificate by the date 28 days prior to the expiry date, the Contractor shall extend the validity of the Performance Security until the Works have been completed and any defects have been remedied.

The Procuring Agency shall not make a claim under the Performance Security, except for amounts to which the Employer is entitled under the Contract.

The Procuring Agency shall indemnify and hold the contractor harmless against and from all damages, losses and expenses (including legal fees and expenses) resulting from claim under the Performance Security to the extent to which the Employer was not entitled to make the claim.

The Procuring Agency shall return the Performance Security to the Contractor within 21 days after receiving a copy of the Performance Certificate.

Without limitation to the provisions of the rest of this Sub-Clause, whenever the Procuring Agency determines an addition or a reduction to the Contract Price as a result of a change in cost and/or legislation, or as a result of a Variation, amounting to more than 25 percent of the portion of the Contract Price payable in a specific currency, the Contractor shall at the Procuring Agency's request promptly increase, or may decrease, as the case may be, the value of the Performance Security in that currency by an equal percentage.

To,

The Executive Engineer,
Public Health Engineering,
Division # I Hyderabad

WHEREAS the contract of **Rehabilitation of Rural Water Supply Schemes in Hyderabad Districts including One Year Operation and Maintenance of Schemes** has been awarded to M/s _____ (hereinafter called the Contractor).

AND WHEREAS under the terms of the said contract vide letter of Intent No. _____, dated _____ you have agreed to advance a sum of Rs. _____ (Rupees _____) only to the Contractor M/s _____

for execution of the said work. This advance is to be recovered proportionately at the rate of 25% from each running bill of the Contractor for the subject work, till the entire amount is recovered.

IN CONSIDERATION OF THE ABOVE, I/ we M/s _____ at _____ of Bank Guarantee _____ to you for Contract terms and the above amount Rs. _____ (Rupees _____) only on behalf of the Contractor, and in default thereof we undertake to pay you on demand any sum upto but not exceeding Rs. _____ (Rupees _____) only of the outstanding amount of

advance given by you to the said Contractor upto the date of such demand, provided always our liability hereunder shall not exceed the aggregate amount of Rs. _____ (Rupees _____) only.

THIS GUARANTEE shall be irrevocable and we shall make an unconditional payment to you of the aforesaid amount on demand without further question and without any reference to the said Contractor.

Sd/-

To,

The Executive Engineer,
Public Health Engineering,
Division I Hyderabad

Dear Sir,

SUBJECT: Financial Proposal and Documents/information required for "Rehabilitation or Rural Water Supply Schemes in Hyderabad District including One Year Operation & Maintenance of Schemes.

Dear Sir,

I/We _____ the undersigned, being duly authorized to represent and act on of _____ submit the financial proposal and required Documents/Information for the project above and enclose one original copy of Financial Proposal and required documents/information and the following.

- (a) I have examined and have no reservations to the Document, including Ad No.(s) _____, issued in accordance with ITB Clause-6.
 - (b). I understand that Procuring Agency may cancel the tendering process at any time an Procuring Agency is not bound either to accept any application that it may receive or financial proposals of technically disqualified bidders, without incurring any liability applicants.
 - (c). Bids by technically qualified applicants will be subject to verification of all information submitted at the time of bidding.
 - (d) Agency reserves the right to amend the scope and value of any contract under this project.
4. The Procuring Agency and its authorized representative (s) may contact the following persons (s) for further information, if needed.

Person to be contacted: Telephone: _____

5. The undersigned declares that the statements and the information provided are complete and correct in every detail.

Signed Name: _____

A-II

1. Company Profile

Date: _____

Contract: _____

All individual firms and each partner of a joint venture applying for submission of Technical Proposal requested to complete the information in this form.

1.	Name of Firm (legal): (In case of Joint Venture (JV), legal name of each partner:
2.	Nature of Business: (Whether the firm is a Corporation, Partnership, Trust etc) (In Case of Consortium, whether the lead consortium member is a corporation, partnership, Trust etc)
3.	Head Office Address
4.	Telephone Fax Numbers: E-Mail Address:
5.	Place of Incorporation/Registration: Year of incorporation / registration:
6.	Applicant's authorized representative: Telephone Fax Number E-mail address:
7.	NATIONALITY OF OWNERS Name _____ Country _____

A-III**2. General Experience Record**

- (i). Details of Contracts of Similar Nature and Complexity completed over last 05 years.

Sr.No.	1	2	3	4	5
Name of Contract:					
Country:					
Name of Procuring Agency with Address, Telephone, Fax					
Nature of Works and special features relevant to the contract for which applied.					
Contract Role (Mention: Sole, Sub-Contractor or Partner in a Joint Venture)					
Value of the total contract in Pak/Rs:					
Date of Award					
Date of Completion					

(ii) Projects of Similar nature and complexity in hand.

Firms/Contractor and each partner of the joint venture should provide information on their current commitments on all contractors that have been awarded, or for which a letter of intend or acceptance has been received, or for contracts approaching completion, but for which substantial Completion Certificate has yet to be issued.

Name of Contract	Value of Contract	Name of Procuring Agency	Value of Outstanding work (Equivalent Pak Rs. Millions)	Estimated Completion Date

(iii) Projects executed in similar geographical conditions in last five (5) years.

Sr.No.	1	2	3	4	5
Name of Contract:					
Country:					
Name of Procuring Agency with Address, Telephone, Fax					
Nature of Works and special features relevant to the contract for which applied.					
Contract Role (Mention: Sole, Sub-Contractor or Partner in a Joint Venture)					
Value of the total contract in Pak/Rs:					
Date of Award					
Date of Completion					

A-IV

4 (A) Personnel Capabilities

Firm / Contractor should provide the names of suitability qualified personnel to meet the specified requirements stated in Section-3(Evaluation and Qualification Criteria). The data on their experience should be supplied using the Form below for each candidate.

Sr. No.	Title of Position	Name/Present Address with Contact Nos.
1.		
2.		
3.		
4.		
5.		

A-V.

5, Equipment Capabilities

Firm/Contractor shall provide adequate information to demonstrate clearly that capability to meet the requirements for the key equipment listed in Section-3 (Evaluation Qualification Criteria) A Separate Form Shall be prepared for each item of equipment for alternative equipment proposed by the Bidder.

Sr. No.	Name of Equipment	Name of Manufacture	Model and Power rating	Capacity	Year of Manufacture	Current Location	Sources Owned,I Leased Specially Manufacture
1.							
2.							
3.							
4.							
5.							
6.							
7.							
8.							
9.							
10.							

A-VI.

6. Following information shall be provided if equipment is not owned by the Bidder.

Sr. No.	Name of Equipment	Name of Owner	Address of Owner	Contact name and title with Telephone Fax & Email	Agreement Details of rental lease/ manufacture agreements specified to the Project
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					

A-VII**7. Financial Resources.****A. Banker's Information**

Sr. No.	Name & Address of Bank	Contact name and title with Telephone, Fax, E-Mail	
1.			

B. Financial Status: (Summarize actual assets and liabilities in Pak Rupees (Equivalent at the current rate of exchange at the end of each year, for the previous three years). A copy of the audited balance sheets should be attached.

Information from Balance Sheet/Income Statement	Year-I	Year-2	Year-3
1. Total Assets (T)			
2. Total Liabilities (TL)			
3. Current Assets (CA)			
4. Current Liabilities (CL)			
5. Total Revenues (TR)			
6. Profits Before Taxes (PBT)			
7. Profits After Taxes (PAT)			

C. Annual turnover data (Construction only)

Year Amount and Currency Rupees in Million

- 1.
- 2.
- 3.

Average annual construction turnover calculated as total certified payments received for work in progress or completed, divided by the number of years specified in Section-III, Qualification Criteria, Normally not be less than $2 \times V/T$, the estimated annual turnover or cash flow in the subject contract based on a straight-line projection of the Employer's Estimated cost (V) including contingencies, over the contract duration (T). The multiplier of two may be reduced for very large contracts but should be not be less than 1.5

8. Litigation History

Applicants, including each of the partners of a joint, venture, should provide information on any history of litigation or arbitration resulting from contracts executed in the last five year or currently under execute). A separate sheets should be used for each partners of joint venture.

A. Decided Litigation

Year.	Award for or Against Applicant	Name of Client, Cause of litigation, and matter in dispute	Disputed amount (Current Value Pak Rs. Or equivalent)

B. Pending Litigation

Year.	Matter in Dispute	Value of Pending Claim in USS Equivalent	Value of pending claim as a percentage of Net Woth

Section IV. Scope of Contract: (Description of works and Period of completion)

Sr. No.	Name of Work	Estimated Cost Million	Earnest Money Million	Completion Period	Tender Fee
1.	-----As detailed in NIT-----	2.911	0.060	9 Months	3000/-

Specification drawings, items of works and quantities of items are provided in Financial Proposal Documents.

SCHEDULE (A)

TERMS & CONDITIONS OF CONTRACT.

- 1. The Sindh sales tax special procedure (with holding) rules, 2011 shall apply to taxable services as are needed, provided or rendered to persons, specified as with holding agents, in the with holding procedure, for the purpose of deduction and deposit of sales tax.**
2. The Contract/Firm has to arrange potable water to use in construction on his cost.
3. The Contractor shall have to pay 0.30% of contract cost in shape of revenue stamp duty at the time of agreement.
4. 10% deposit will be recovered from contractor 2% in shape of call deposit along with bid and 8% shall be with held in all running bills.
5. All the material of approved quality will be used, Sample of the material, fixture, cement hill sand, crush, bricks pipes, fitting, UPVC, Electrical will be got approved in advance / before execution. For Pumping Machinery, Diesel Engine & Generator, Contractor will provide Manufacturers certificate which will be verified by Incharge Engineer before making payment samples shall be collected from each new lot stacked at site in the presence of Executive Engineer or representatives and jointly sealed and got tested from approved laboratory at contractor's own cost in case the contractor fails to comply with this condition.
6. The Contractor shall maintain at the site of work "Site Order Book" (of triplicate leaves) at his own cost for taking instructions and directions from the supervising monitoring officers/officials
7. The contractor shall at his own cost provide a suitable size high visibility signboard at each location indicating the details of project as approved by the Engineer in charge
8. No premium shall be allowed on non-schedule item and 1 year operation & maintenance component.
9. On successful completion of 1 year operation & maintenance, the contractor shall hand over the scheme to concerned Executive Engineer in sound and satisfactory running condition.

10. PAYMENT MECHANISM.

- A) The Contractor shall submit running bills against the work done at site to Executive Engineer for verification and payment.
- B) Payment against 1 year operation & maintenance shall be made on monthly basis, evenly divided in 12 months for each completed scheme.
- C) No cost escalation shall be allowed on operation & maintenance component or part there of.
- D) The contractor shall submit copy of each paid electricity bill to Executive Engineer every month regularly.
- E) Premium will be allowed on O/M item/Cost.

**EXECUTIVE ENGINEER
PUBLIC HEALTH ENGG: DIVISION I
HYDERABAD**



TENDER FOR THE WORK

Issue to M/s _____ Tender fee for Rs. _____ Recieved
Vide. _____ D.R No. _____ Dated: _____
_____ Dated of opening of Tender _____

**EXECUTIVE ENGINEER
PUBLIC HEALTH ENGG:DIVN: I
HYDERABAD**

I/We hereby tender the execution for the Rehabilitation of Rural Water Supply Schemes i/c One Year Operations & Maintenance of Schemes under written memorandum within the specified time in such memorandum at.

Percent ABOVE/BELOW the Estimate rated entered in the Schedule "B" Memorandum showing items of work to be carried out and in all respect with the specification designed and instructions writing referred to in Rule thereof.

- a). General Description: Rehabilitation of Rural Water Supply Scheme i/c One Year Operations & Maintenance of Schemes.
- b). Estimated Cost: Rs: 2.911 Millions
- c). Earnest Money 2% Call Deposit: Rs: 0.060
- g). Time of Completion 9 Months

Should be this tender be accepted I/We hereby agree to abide be the fulfill all the terms and provisions of the conditions of contract annexed hereto so as applicable and in default hereof to forfeit any pay the _____ the sum of money mentioned in the said conditions.

Receipt No. _____ Dated: _____ from the Government Treasury / Sub-Treasury / _____ in respect of the sum of the Rs. _____ is her with forwarded representing the earnest money

- a). The full value of which is to be absolutely forfeited to PHE Division # I Hyderabad deposited the full amount of Security Deposit specified in the above memorandum in accordance with Clause of the said conditions otherwise the sum of Rs. _____ shall be remained by the PHE Division # I Hyderabad on account of such Security Deposit specified in relevant Clause of the conditions/agreement.

N.B The Tender is required to undertake that all terms and conditions of the printed B-I Forms inclusive of the additional conditions etc approved by the Executive Engineer PHE Division # I Hyderabad will be binding on him and these will be includes and signed by him in the even acceptance of his tender.

**EXECUTIVE ENGINEER
PUBLIC HEALTH ENGG: DIVISION I
HYDERABAD**

SCHEDULE 'B'

Head of Account : SC-21021(021) KA-4534 P.H. Services

Name of Work : REHABILITATION OF WATER SUPPLY SCHEME DETHA
TALUKA HYDERABAD (RURAL) DISTRICT HYDERABAD

S.#	Item	Qty	Rate	Unit	Amount
-----	------	-----	------	------	--------

GROUP 'A' RISING MAIN/ DISTRIBUTION SYSTEM

1. Excavation for pipe lines into trenches and pits in soft soil i/c trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade cutting joint holes and disposal of surplus earth within a one chain as directed by Engineer in charge providing fence guards lights flags and temporary crossing for non vehicular traffic where ever required lift upto 5'ft(1.52m) and lead upto one chain (30.5mm)(P.H.S.I.NO. 1 P/60)
10262.0 Cft @Rs: 3600/- P%ocft Rs: 36943/-
2. Providing Laying uPVC Pressure pipe of class 'B' (equivalent)make fixing in trenches i/c cutting fitting and jointing with 'Z' joint with one rubber ring i/c testing with water to a head 61 meter or 200 ft. (PHSINO.1(a.b.c.d)P22)
6"dia 1400.0 Rft @Rs: 262/- P.Rft Rs: 366800/-
4"dia 700.0 Rft @Rs: 137/- P.Rft Rs: 95900/-
3. PVC Special for PVC pipe. (SMINO. 1 P-28)
 - i. C.I. Bend 90o 6" dia 3 Nos @Rs: 1913 Each Rs: 5739/-
 - ii. C.I. Bend 90o 4" dia 4 Nos @Rs: 956/- Each Rs: 3824/-
 - iii. PVC End Plug. (SMINO.13 P-16). 4" dia 2 Nos @Rs: 544/- Each Rs: 1088/-
 - iv. C.I. Giboult Joint. (SMINO.14 P-16)
6"dia 4 Nos @Rs: 1062/50 Each Rs: 4250/-
4"dia 4 Nos @Rs: 731/25 Each Rs: 2925/-
4. C.I. Sluice valve heavy pattern (Test Pressure)21.0kg/sq/cm or 300 lb/sq.inch)(imported)(SMINO. 2.(b) P-11)
6"dia 4 Nos @Rs: 9360/- Each Rs: 37440/-
4"dia 2 Nos @Rs: 5460/- Each Rs: 10920/-
5. Fixing of sluice valves with 2-cast iron tail pieces, one end flanged and other with socket i/c the cost of nuts bolts and rubber packing labour etc: complete. (PHSINO11(c)P-12)
6"dia 4.0 Nos @Rs: 1886/- Each Rs: 7544/-
4"dia 2.0 Nos @Rs: 1532/- Each Rs: 3064/-

S.#	Item	Qty	Rate	Unit	Amount
6.	Repair of leaking joint on A.C. Pipe of various diameter i/c the cost of rubber tube labour/mistry, sand, cement jute/spurn yarn etc: complete.(PHSINO. 12 P-13 (P-C)				
	6" dia	10 Nos	@Rs: 515/-	Each	Rs: 5150/-
	4" dia	16 Nos	@Rs: 396/-	Each	Rs: 6336/-
7.	C.I. Tail pieces with one end flanged and socket @ the other end for all size. (SORINO.4 P-12)	0.74 Cwt	@Rs: 6096/-	P.Cwt	Rs: 4511/-
8.	Providing chamber 21/2x2 1/2 (750x750' mm) inside dia mansion 4 1/2'(1372mm) Deep as per approved design for sluice valve 3"to 12"dia with 18"(457mm)dia inside cost iron cover and frame (wt=1 Cwt 3 qr)fixed in RCC 1:2:4 (102 mm)thick (with 5 lbs steel per cft)9"(299mm)thick brick masonry walls set in 1:6 cement mortar 6"(1152mm)thick c.c 1:3:6 in foundation 1(25mm)thick c.c 1:2:4 flooring 1/2" (12.5mm)thick cement plaster 1:3 to all inside wall surface and top i/c providing and fixing M.S foot beyond 2 1/2"ft depth curing excavation back filling and disposal of surplus earth etc :complete(PHSINO.1P/49)	6.0 Nos	@Rs: 18820/-	Each	Rs: 112920/-
9.	Refilling the excavated stuff in trenches 6"thick layers i/c watering ramming to full compaction etc complete (PHSI No.24 P/77).	9235.80	@Rs: 2760/-	P%oCft	Rs: 25491/-
				Total	Rs: 730845/-

GROUP 'B' REPAIR OF STORAGE TANK & COMPOUND WALL

1.	Dismantling brick work in lime or cement mortar. (GSINO.13 P-10)	5285.0 Cft	@Rs: 1285/63 P%Cft		Rs: 67946/-
5.	Pacca brick work in ground floor in cement sand mortar (1:6)(GSINO.5(e)P-21)	5345.0 Cft	@Rs: 12674/36 P%Cft		Rs: 677444/-
3.	Cement plaster 1:4 up to 20' height 1/2" thick R(1:4)(GSINO.11(b) P-51)	5410.0 Sft	@Rs: 2283/93 P%Sft		Rs: 123561/-
4.	Providing and laying 2" thick topping cement concrete (1:2:4)including surface finishing and dividing into panels (G.S.I.NO.16(c)P/41)	2"thick	195.0 Sft	@Rs: 3275/50 P%Sft	Rs: 6387/-
5.	Fabrication of heavy steel work with angles, tees, flat iron, round iron and sheet iron form making trusses, girders tanks etc: i/c cutting, tanks etc: i/c cutting, drilling riveting, handling assembling and fixing but excluding erection in position.(GSINO.2 P-91)	2.54 Cwt	@Rs: 4928/49 P.Cwt		Rs: 12518/-
6.	Erection and fitting in position of iron trusses staging of water tank etc: (GSINO.3 P-91)	2.54 Cwt	@Rs: 271/04 P.Cwt		Rs: 688/-
7.	White Wash One Coats (GSINO.26(A)P/53)	1200.0 Sft	@Rs: 416/63 P%Sft		Rs: 5000/-

S.#	Item	Qty	Rate	Unit	Amount
8.	Colour Wash (Three Coat)(GSINO.24 (C) P-53)	8500.0 Sft	@Rs: 859/90	P%Sft	Rs: 73092/-
9.	Painting new surface preparing surface painting doors and window of any type i/c Edge(GSINO.4(C)P/76)	144.0 Sft	@Rs: 1160/06	P%Sft	<u>Rs: 1670/-</u>
TOTAL					Rs: 968306/-

GROUP 'C' PUMP HOUSE

1.	Excavation in foundation in building bridges and other structure i/c day belling dressing refilling around structure with excavated earth watering and ramming lead up to one chain (In ordinary soil)(GSINO.18(b)P/4)	235.00 Cft	@Rs: 3176/25	P%ocft	Rs: 746/-
2.	Cement Concrete brick or stone ballast 1 ½ to 2 gauge (GSINO.4)P/14) <u>Ration 1:4:8</u>	102.00Cft	@Rs: 9416/28	P%cft	Rs: 9605/-
3.	Erection and removal of centering for RCC or plain cement concrete works of deodar wood (2 nd class) (GSINO.19(a)(ii)P/17)	376.0 Sft	@Rs: 3127/41	P%Sft	Rs: 11759/-
4.	Cement Concrete plain including placing compacting finishing and curing complete (including screening and washing at stone aggregate without (GSINo.5(h))P/15)(1:3:6)	188.00 Cft	@Rs: 12595/-	P%cft	Rs: 23679/-
5.	Pucca Brick work in ground floor i/c stricking joint in cement sand mortar (1:6) (G.S.I.NO;5(i)(e)P/20)	299.00 Cft	@Rs: 12674/36	P%Cft	Rs: 37896/-
6.	Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms moulds, lifting, shuttering curing rendering and finishing the exposed surface)\(including screening and washing of shingle)(a)R.C. Work in roof slab, beams, columns, rafts, lintels and other structural members laid in situ or precast laid in position complete in all respect(i)Ratio 1:2:4)90 lbs cement 2 cft sand 4 cft shingle 1/8" to 1/4" guage.(G.S.I.NO;6(a)P/16)	96.0 Cft	@Rs: 337/-	P.Cft	Rs: 32352/-
7.	Fabrication of mild steel reinforcement for cement concrete including cutting bending laying in position making joints and fastenings including cost of binding wire (also includes removal of rust from bars)(G.S.I.NO.8(b)P/16)	3.85 Cwt	@Rs: 5001/70	P.Cwt	Rs: 19257/-
8.	Filling watering and ramming earth under floor with new earth excavated from out side lead up to one chain & lift up to 5 ft(GSINO.22 P-4)	109.0 Cft	@Rs: 3630/-	P%oCft	Rs: 396/-
9.	Providing and laying 2" thick topping cement concrete (1:2:4)including surface finishing and dividing into panels (G.S.I.NO;16(d)P/41) Flooring 2" thick	120.0 Sft	@Rs: 3275/50	P%Sft	Rs: 3931/-

S.#	Item	Qty	Rate	Unit	Amount
10.	Making and fixing steel grated doors 1/16" thick sheeting i/c angle iron frame 2"x2" 3/8 and 3/4 sq bars 4" centre to centre with locking arrangement. (G.S.I.NO.24 P/91)	22.75 Sft	@Rs: 726/72	P.Sft	Rs: 16533/-
11.	Cement Plaster 1:4 upto 12" height 3/8" thick (G.S.I.NO.10(b)P/51)	916.0 Sft	@Rs: 2197/52	P%Sft	Rs: 20129/-
12.	Cement Plaster 1:6 upto 12" height 1/2" thick (G.S.I.NO.10(b)P/51)	916.0 Sft	@Rs: 2206/60	P%Sft	Rs: 20212/-
13.	White wash 3 Coat (G.S.I.NO.26(a)P/53)	204.0 Sft	@Rs: 829/95	P%Sft	Rs: 1693/-
14.	White wash 1 Coat.(G.S.I.NO.26(c)P/53)	915.75 Sft	@Rs: 416/63	P%Sft	Rs: 3812/-
16.	Colour wash 2 Coat.(G.S.I.NO.25(b)P/53)	915.0 Sft	@Rs: 859/90	P%Sft	Rs: 7868/-
17.	Supplying and fixing in position iron/steel gril of 3/4 x 1/4 " size flat iron of approved design including painting 3 coats etc complete (weight not to be less than 3/7 lbs/sq foot of finished grill) (G.S.I.NO.26 P/92)	30.0 Sft	@Rs: 180/50	P%Sft	Rs: 5415/-
18.	Fabrication of heavy steel work with angles, tees, flat iron, round iron and sheet iron form making trusses, girders tanks etc: i/c cutting, tanks etc: i/c cutting, drilling riveting, handling assembling and fixing but excluding erection in position.(GSINO.2 P-91)	2.54 Cwt	@Rs: 4928/49	P.Cwt	Rs: 2705/-
19.	Preparation face and painting of door & window any type (i/c edges) two subsequent cost over primary coat three coats.(GSINO.5 I,ii P-68)	105.50 Sft	@Rs: 2116/41	P%Sft	Rs: 2233/-
			TOTAL		Rs: 220221/-

GROUP 'D' SUMP WELL

1.	Excavation in foundation in building bridges and other structure i/c dag belling dressing refilling around structure with excavated earth watering and ramming lead up to one chain (In ordinary soil)(GSINO.18(b)P/4)	354.23 Cft	@Rs: 3176/25	P%ocft	Rs: 1125/-
2.	C.C. Brick or stone ballast 1 1/2" to 2" guage.(1:4:8)(GSINO.4 P-17)	53.13 Rft	@Rs: 9416/28	P%Cft	Rs: 5003/-
3.	Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms moulds, lifting, shuttering curing rendering and finishing the exposed surface))(including screening and washing of shingle)(a)R.C. Work in roof slab, beams, columns, rafts, lintels and other structural members laid in situ or precast laid in position complete in all respect(i)Ratio 1:2:4)90 lbs cement 2 cft sand 4 cft shingle 1/8" to 1/4" guage.(G.S.I.NO;6(a)P/16)	289.0 Cft	@Rs: 337/-	P.Cft	Rs: 97393/-

S.#	Item	Qty	Rate	Unit	Amount
4.	Fabrication of mild steel reinforcement for cement concrete including cutting bending laying in position making joints and fastenings including cost of binding wire (also includes removal of rust from bars)(G.S.I.NO.8(bP/16)	11.61 Cwt	@Rs: 5001/70 P.Cwt		Rs: 58070/-
5.	Cement plaster 1:4 upto 20' height ½" thick.(GSINO.11(b)P-51)	376.80 Sft	@Rs: 2283/93 P%Sft		Rs: 8606/-
					Total Rs: 170197/-

PUMPING MACHINERY 10 BHP

1.	Manufacturing and installing M.S pipe made out of M.S lead 3/16" thick bending folding to correct curvature and shape i/c melding complete (R.A attached)	72.0 Rft	@Rs: 506/60 P.Rft		Rs: 36475/-
2.	Cost iron specials for PVC/AC pressure pipe (standard weight for ACIL 'B' class)(SMINO. 15(i)P-13)				
i.	Bend 90o 4"dia	3 Nos	@Rs: 956/-	Each	Rs: 2868/-
3.	Manufacturing and installing with welding M.S flanged made out of M.S sheet 4/8" thick i/c cutting drilling holes etc complete (R.A)				
	4"	9.0 Nos	@Rs: 596/75	Each	Rs: 5191/-
4.	Foot valve heavy pattern with cone type gate.(imported)(SMINO. 4(a)P-11)				
	4"dia	2 Nos	@Rs: 893/75	Each	Rs: 1788/-
5.	Rewinding of Electric Motor 3 Phase 400/440 volts, 50 Cycles with best quality insolated copper wire of required guage including testing on load with satisfactory result up to one week's time, opening and refitting and replacing the bolts if necessary excluding the cost of worn out material.(GSINO. 97 P-0109)(2 Pole)				
	10 BHP	1 No	@Rs: 11700/-	Each	Rs: 11700/-
6.	Repair of Pump over houling KSB pump. (Rate Approved)				
		1 No	@Rs: 10000/-	Each	Rs: 10000/-
7.	Providing & Fixing MCU 10 BHP. (Model MCU/SD/10)				
		2 Nos	@Rs: 48750/-	Each	Rs: 97500/-
9.	Providing and Installing wiring from main with 3.7/0.44 PVC insulated wire (ESINO.18 P-9)				
		78.0 Rft	@Rs: 128/65	P.Rft	Rs: 9263/-
10.	Providing and laying (main or sub main) PVC insulated wire with size 4-7/0.64 (16mm2)copper conductor in 1 ½" dia PVC conduit recessed in the wall or column as required.(ESI NO.42 P/6)				
		50.0 Meter	@Rs: 1213/-	P.Meter	Rs: 60650/-
					Total Rs: 235435/-

CONDITION

1. Any error omission in description of item Qty: and unit will be governed by relevant schedule of rates & relevant rate analysis.
2. The Decision of the Superintending Engineer, PHE Circle Hyderabad will be final & binding on all parties in any shape.
3. The rate should be inclusive of all taxes.
4. No. Separate carriage will be paid.
5. No. Premium will be allowed on non schedule item.

CONTRACTOR

**EXECUTIVE ENGINEER
PUBLIC HEALTH ENGG:DIVN NO I
HYDERABAD**

**DETAILED WORKING ESTIMATE FOR ANNUAL OPERATION AND
MAINTENANCE COST OF RURAL WATER SUPPLY SCHEME DETHA
TALUKA HYDERABAD (RURAL) DISTRICT HYDERABAD**

**ABSTRACT OF COST
(OPERATION & MAINTENANCE)**

(A)	ESTABLISHMENT	RS: 168000/-
(B)	ELECTRICAL & MECHANICAL CHARGES	RS: 538120/-
(C)	ANNUAL MAINTENANCE & REPAIR CHARGES	RS: 53333/-
(D)	RAW WATER CHARGES	RS: 2959/-
(E)	DISINFACTION	RS: 82125/-
	TOTAL	RS: 844537/-
	ADD: 2% CONTINGENCIES	RS: 16891/-
	TOTAL	RS: 861428/-
	Total Cost for O/M of the scheme for one year	RS: 861428/-

ASSISTANT ENGINEER
PUBLIC HEALTH ENGG:S/DIVISION
QASIMABAD

EXECUTIVE ENGINEER
PUBLIC HEALTH ENGG:DIVISION I
HYDERABAD

**DETAILED WORKING ESTIMATE FOR ANNUAL OPERATION AND
MAINTENANCE COST OF RURAL WATER SUPPLY SCHEME DETHA
TALUKA HYDERABAD (RURAL) DISTRICT HYDERABAD**

(A) ESTABLISHMENT

1.	Pump Operator.	1x12.0	= 12.0 Months	
	12 Months	@Rs: 7000/-	P.Months	Rs: 84000/-
2.	Chowkidar/Helper.	1x12.0	= 12.0 Months	
	12 Months	@Rs: 7000/-	P.Months	<u>Rs: 84000/-</u>
			Total	Rs: 168000/-

(B) ELECTRICAL & MECHANICAL CHARGES

i.	<u>Electric Charges</u>			
	24506.0 Units	$2 \times 15 \times 0.746 \times 3 \times 365$	= 24506.10 Units	
		@Rs: 20/-	P. Units	Rs: 490120/-
ii.	Provision for Lubricant such as Grease, Cotton, Waste and oil etc:			
	24.0 Months	2x12.0	= 24.0 Months	
		@Rs: 2000/-	P.M.	<u>Rs: 48000/-</u>
			Total	Rs: 538120/-

(C) ANNUAL MAINTENANCE & REPAIR CHARGES

6 2/3 i.e capital cost of Pumping Machinery

$$\frac{800000 \times 20}{100 \times 3} \quad \text{Rs: 53333/-}$$

(D) RAW WATER CHARGES

$$\frac{45000 \times 11.26 \times 365}{6.25 \times 10000} \quad \text{Rs: 2959/-}$$

(E) DISINFANTION

Assuming a dose of 1 PPM of chlorine & equivalent to 3 PPM of bleaching powder

Qty of bleaching	$\frac{45000 \times 10 \times 4 \times 365}{1000000 \times 12}$	= 54.75 Cwt	
54.75 Cwt	@Rs: 1500/-	P.Cwt	Rs: 82125/-

ASSISTANT ENGINEER
PUBLIC HEALTH ENGG:S/DIVISION
QASIMABAD

EXECUTIVE ENGINEER
PUBLIC HEALTH ENGG:DIVISION I
HYDERABAD

PUBLIC HEALTH ENGINEERING DEPARTMENT
GOVERNMENT OF SINDH

PUBLIC HEALTH ENGINEERING DIVISION # 1 HYDERABAD



**BIDDING DOCUMENTS WITH FINANCIAL
PROPOSAL**

FOR

NAME OF WORK:-

Rehabilitation of Rural Water Supply Scheme
Tando Hyder District Hyderabad including one
year Operation & Maintenance of Schemes

Name of Department:	Public Health Engineering Department.
Name of Procuring Agency:	Executive Engineer, Public Health Engg: Division # 1 Hyderabad

Document issued to:- _____

1. Introduction:

Office of the Executive Engineer, PHE Division # 1 Hyderabad intends to carry out the work for “**Rehabilitation of Rural Water Supply Schemes in District Hyderabad including One (1) Year Operation and Maintenance of Schemes**”

(i) Scope:

Rehabilitation of Rural Water Supply Schemes i/c One Year Operations & Maintenance of Schemes in following Districts:

S #	Name of Schemes	Taluka
1.	Rehabilitation of Water Supply Scheme Tando Hyder	Hyderabad (Rural)

(ii). **Estimate Cost:** Rs. 6.939 (In Million)

(iii). **Completion Period:** 09 Months

- **Eligibility:** Valid Registration with Pakistan Engineering Council in Valid Category and field of specialization CE-09 & -10
- Applicants will be informed in due course of time, for the result of the evaluation. The financial proposals of only those firms/bidders will be entertained/accepted who will obtain the minimum criteria / qualifying score based on Marks / Score (SECTION-II)

2. **Section-I Instruction To Bidders/Applicants (ITB)**

Clause-I

The firm/contractor shall enclose the original copy of the documents in a sealed envelope along with Financial Proposal which shall:-

- (a) Bear the name and address of the Applicant.
- (b) Be delivered by hand or through courier/registered mail to address mentioned in advertisement (N.I.T) for the work.
- (c) Be clearly marked “Application for submission of Financial Proposal & Information / Documents

FOR

Rehabilitation of Rural Water Supply in Hyderabad District i/c One Year O/M of Schemes.

Clause-2

If the envelope is not sealed and marked as required, the procuring agency will assume no responsibility for the misplacement or pre-maturing opening of the document.

Clause-3

Document shall be prepared in English Language.

Clause-4

Firm/Contractor must respond to all questions and provide complete information as advised in this document. Any lapses to provide essential information may result in dis-qualification of the firm/contractor.

Clause-5 Clarification and Modification of Documents (SPP Rule-23)

Firm/Contractor, who has obtained documents, may request for clarification of contents bidding document in writing, and respond to such queries shall be made in writing within calendar days, provided they are received at least five calendar days prior to the date of open bid.

Clause-6 Addendum:

At any time prior to the deadline for submission of documents the procuring agency may amend the Document by issuing addenda. Any addendum issued shall be part of the Document shall be communicated in writing to all who have obtained the bidding document.

Clause-7 Deadline for submission of Documents (SPP Rule 22 & 24)

Documents shall be received by the procuring agency at the address Executive Engineer, PHE Division # 1 Hyderabad Telephone **9210353** not later than the _____ up to **1:00 PM** and tenders will be opened on _____ at **2:00 PM** in the presence of contractor or their authorized representatives. The procuring agency may, at its discretion, extend the deadline for the submission of documents by amend in subject to the previous deadline shall thereafter be subject to the deadline as extended.

Clause-8 Evaluation (Rule 27 (2)):

Firm/Contractors, general and particular experience, personnel and equipment capabilities, and financial position, as demonstrated by the Applicant's responses in prescribed forms will be evaluated as per evaluation criteria given in the document. The procurer agency reserves the right to waive minor deviations, if these don't materially affect the capability of an applicant to perform the contract. Sub-Engineer's experience and resources shall not be taken into account in determining the firm/contractor compliance with the qualifying criteria firms will be considered for similar treatment as in case of Joint Venture.

Clause-9 Clarification of Prequalification Information (Rule 43):

To assist the evaluation information, the agency may, at its discretion, ask any firm/contractor for a clarification information which shall be submitted within a stated reasonable period of time. Any request clarification shall be in writing. If any firm/contractor does not provide clarifications/ information requested by the date and time set in the agencies request for clarification application of the firm/contractor may be rejected.

Clause-10 Verification of

Documents / Information (Rule 28 (Id):

Verification of the information provided by the firms/contractors in the submissions for bidding along with Financial Proposal made. In case the information is found to be wrong or incorrect in any material way firm/contractor is found to be taking in the capability or resources to successfully perform contract, then it shall not be entertained and financial proposal submitted will not be accepted.

3. Section-II: Evaluation / Qualification Criteria.

1. Criteria based on Marks/Score

Mandatory Provisions/Eligibility: Firms/Contractors must possess (i) valid registration certificate of PEC for the year 2015 in the relevant category CE-09-10 discipline (ii) valid registration certificate from income tax authority (NTN), (iii) at least Two contract of equivalent value in last five years (iv) Litigation Affidavit by Bidder (v) Audited Accounts of Last 3 Years (vi) Firm/Contractors is not black listed (Attach all certificates and affidavit of not black listing)

(A) Company Profile.

- | | | |
|-----|--|-----------------|
| i. | Period since Firm/Contractor is in construction business | 10 Marks |
| | Up to 5 Years | 02 Marks |
| | Up to 10 Years | 05 Marks |
| | Above 10 Years | 10 Marks |
| | (Attach PEC License for each year) | |
| ii. | Office facilities | 05 Marks |
| | In Sindh Province | 03 Marks |
| | In any other province /Islamabad | 01 Mark |
| | Outside Country | 01 Mark |

(B) General Experience Record. 40 Marks

- | | | |
|-----|--|----------|
| i. | Projects of Water Supply Scheme
Completed over last 05 years costing about equivalent value
20 Marks for one project (basic requirement) | |
| | (Attach satisfactory completion certificates) | |
| ii. | Projects of similar nature and complexity in hand. | 20 Marks |
| | (10 Marks for each project having cost Rs. _____Million or above) | |

(Attach copies of work orders)

(C) Personnel Capabilities required for this project 20 Marks
Following factors shall be used as a guide line.

Sr. No.	Description/Position with qualification & experience	Number Required	Marks assigned	Remarks
1	BSc (Civil Engg:)/BE(Civil) Engineers registered with Pakistan Engineering Council (PEC) with experience of 5 years or above.	02	20	06 Marks for experience of 3 to 05 years. 09 Marks for above 10 years (Attach Tax payment challan showing at least 1 year continuous employment with firm 1 Additional Mark for MSc (Civil Engg:) / M.E (Civil)
2.	Diploma in Civil Engineering with experience of 2 years or above	04	10	Qualifying experience for Sub Engineer minimum Five(5) years

(D) Equipment Capability 10 Marks

- Critical equipment and number required for the project shall be specified by the applicant.
- High value equipment should be an option to own, lease or hire.
- Total equipment available with the applicant is to be listed along with its current mobilization on on-going project.
(Details are to be provided in the attached form)

(E) Financial Soundness/Status 10 Marks

For Financial Status assessment, the Applicants may be required to submit audited Financial Statements for the last three years, the procuring agency will make enquires with the firms / contractors bankers.

Working Capital in hand for this project/work (Attach proof of Bank Statement/Credit Facilities)

- | | | |
|------|--|----------|
| i. | Less than 15% of Estimated Cost of this Work | 01 Marks |
| ii. | Less than 25% of Estimated Cost of this Work | 02 Marks |
| iii. | Less than 40% of Estimated Cost of this Work | 04 Marks |
| iv. | More than 40% of Estimated Cost of this Work | 10 Marks |

Qualifying Score is 50%, but it is mandatory to obtain 40% in each section.

(2) Based on Yes/No or Pass/Fail System.

Mandatory Provisions / Eligibility: Firms/contractors must possess (i) valid registration certificate of PEC in the category CE-09 and CE10 discipline for 2014 year, (ii) valid registration certificate from income tax authority (NTN), and (iii) is not black listed (Attach all certificates and affidavit of not black listing)

Required Documents: It must include following information / documents:-

(A) Firm/Contractor have been in business of construction at least for 05 years.

(B) Experience and past projects performance.

(i). Have completed at least (1) scheme of water supply having cost of at least 50 Million of the single project in the last Five (05) years.

(ii). Have executed at least one (01) project in similar geographical condition in last five (05 years).

(Attach performance certificates of completed projects)

(C) Key Personal Qualification & Experience

(Requirement will vary from assignment to assignment)

(i). **Site Engineers.** Qualification: B.E (Civil), Number ().
Experience: () Similar assignments,
() years experience.

(ii). **Sub Engineer/** Qualification: Diploma in Civil, Number; ()
Quantity Surveyors: Experience: () similar assignment,
() years experience.

(D) Equipment.

(a) Critical equipment and number required for the project shall be specified by the bidder (Attach list of equipment).

(b). High value equipment should be an option to own, lease or hire.

(c). Total equipment available with the applicant is to be listed along with its current mobilization on on-going projects

(E). Financial:

(i). Documentary evidence of financial position, bank statement or audited accounts last Three (03 Years)

(ii). Average Annual turnover of the last three years should not be less than thrice the cost of work under procurement.

Any other information.

- i) Details of disputes/litigation or arbitration with client if any.
- ii) Any other document/information desired by procuring agency.

G. BID EVALUATION PROCEDURE

S#	Name of Bidder	Eligibility points	wt: 80%	Final Eligibility	Financial Points (cost of lowest bidder/cost of bidder)×100=	Finan: wt: 20%	Final Finan: points	Combined Score Col(5+8)	Bid declared by the Committee
1	2	3	4	5	6	7	8	9	10

4. Section-III Application Forms.

A.I **Application Submission Form** (The covering letter is to be submitted by the interested firm/contractor partner responsible for a joint venture, on appropriate company letter head.

1. CONTRACT AGREEMENT

The Contractor shall within 07 days of issuance of letter of award/intent or when called upon. To do so enter and execute a Contract Agreement on PWD format as annexed with the tender.

2. PERFORMANCE SECURITY

The Contractor shall obtain (at his cost) a Performance Security for proper performance, 5% of the Contract/bidding Amount and denominated in the currency (ies) of the Contract or in a freely convertible currency acceptable to the Procuring Agency.

The Contractor shall deliver the Performance Security to the Procuring Agency. within 28 days after receiving the Letter of Acceptance. The Performance Security shall be issued by a reputable bank or financial institution selected by the Contractor, and shall be in the form as provided by the Procuring Agency.

The Contractor shall ensure that the Performance Security is valid and enforceable until the Contractor has executed and completed the Works i/c O & M period and remedied and defects. If the terms of the Performance Security specify its expiry date, and the Contractor has not become entitled to receive the Performance Certificate by the date 28 days prior to the expiry date, the Contractor shall extend the validity of the Performance Security until the Works have been completed and any defects have been remedied.

The Procuring Agency shall not make a claim under the Performance Security, except for amounts to which the Employer is entitled under the Contract.

The Procuring Agency shall indemnify and hold the contractor harmless against and from all damages, losses and expenses (including legal fees and expenses) resulting from claim under the Performance Security to the extent to which the Employer was not entitled to make the claim.

The Procuring Agency shall return the Performance Security to the Contractor within 21 days after receiving a copy of the Performance Certificate.

Without limitation to the provisions of the rest of this Sub-Clause, whenever the Procuring Agency determines an addition or a reduction to the Contract Price as a result of a change in cost and/or legislation, or as a result of a Variation, amounting to more than 25 percent of the portion of the Contract Price payable in a specific currency, the Contractor shall at the Procuring Agency's request promptly increase, or may decrease, as the case may be, the value of the Performance Security in that currency by an equal percentage.

To,

The Executive Engineer,
Public Health Engineering,
Division # I Hyderabad

WHEREAS the contract of **Rehabilitation of Rural Water Supply Schemes in Hyderabad Districts including One Year Operation and Maintenance of Schemes** has been awarded to M/s _____ (hereinafter called the Contractor).

AND WHEREAS under the terms of the said contract vide letter of Intent No. _____, dated _____ you have agreed to advance a sum of Rs. _____ (Rupees _____) only to the Contractor M/s _____

for execution of the said work. This advance is to be recovered proportionately at the rate of 25% from each running bill of the Contractor for the subject work, till the entire amount is recovered.

IN CONSIDERATION OF THE ABOVE, I/ we M/s _____ at _____ of Bank Guarantee _____ to you for Contract terms and the above amount Rs. _____ (Rupees _____) only on behalf of the Contractor, and in default thereof we undertake to pay you on demand any sum upto but not exceeding Rs. _____ (Rupees _____) only of the outstanding amount of

advance given by you to the said Contractor upto the date of such demand, provided always our liability hereunder shall not exceed the aggregate amount of Rs. _____ (Rupees _____) only.

THIS GUARANTEE shall be irrevocable and we shall make an unconditional payment to you of the aforesaid amount on demand without further question and without any reference to the said Contractor.

Sd/-

To,

The Executive Engineer,
Public Health Engineering,
Division I Hyderabad

Dear Sir,

SUBJECT: Financial Proposal and Documents/information required for "Rehabilitation or Rural Water Supply Schemes in Hyderabad District including One Year Operation & Maintenance of Schemes.

Dear Sir,

I/We _____ the undersigned, being duly authorized to represent and act on of _____ submit the financial proposal and required Documents/Information for the project above and enclose one original copy of Financial Proposal and required documents/information and the following.

- (a) I have examined and have no reservations to the Document, including Ad No.(s) _____, issued in accordance with ITB Clause-6.
 - (b). I understand that Procuring Agency may cancel the tendering process at any time an Procuring Agency is not bound either to accept any application that it may receive or financial proposals of technically disqualified bidders, without incurring any liability applicants.
 - (c). Bids by technically qualified applicants will be subject to verification of all information submitted at the time of bidding.
 - (d) Agency reserves the right to amend the scope and value of any contract under this project.
4. The Procuring Agency and its authorized representative (s) may contact the following persons (s) for further information, if needed.

Person to be contacted:

Telephone: _____

5. The undersigned declares that the statements and the information provided are complete and correct in every detail.

Signed

Name: _____

A-II

1. Company Profile

Date: _____

Contract: _____

All individual firms and each partner of a joint venture applying for submission of Technical Proposal requested to complete the information in this form.

1.	Name of Firm (legal): (In case of Joint Venture (JV), legal name of each partner:
2.	Nature of Business: (Whether the firm is a Corporation, Partnership, Trust etc) (In Case of Consortium, whether the lead consortium member is a corporation, partnership, Trust etc)
3.	Head Office Address
4.	Telephone Fax Numbers: E-Mail Address:
5.	Place of Incorporation/Registration: Year of incorporation / registration:
6.	Applicant's authorized representative: Telephone Fax Number E-mail address:
7.	NATIONALITY OF OWNERS Name _____ Country _____

A-III**2. General Experience Record**

- (i). Details of Contracts of Similar Nature and Complexity completed over last 05 years.

Sr.No.	1	2	3	4	5
Name of Contract:					
Country:					
Name of Procuring Agency with Address, Telephone, Fax					
Nature of Works and special features relevant to the contract for which applied.					
Contract Role (Mention: Sole, Sub-Contractor or Partner in a Joint Venture)					
Value of the total contract in Pak/Rs:					
Date of Award					
Date of Completion					

(ii) Projects of Similar nature and complexity in hand.

Firms/Contractor and each partner of the joint venture should provide information on their current commitments on all contractors that have been awarded, or for which a letter of intend or acceptance has been received, or for contracts approaching completion, but for which substantial Completion Certificate has yet to be issued.

Name of Contract	Value of Contract	Name of Procuring Agency	Value of Outstanding work (Equivalent Pak Rs. Millions)	Estimated Completion Date

(iii) Projects executed in similar geographical conditions in last five (5) years.

Sr.No.	1	2	3	4	5
Name of Contract:					
Country:					
Name of Procuring Agency with Address, Telephone, Fax					
Nature of Works and special features relevant to the contract for which applied.					
Contract Role (Mention: Sole, Sub-Contractor or Partner in a Joint Venture)					
Value of the total contract in Pak/Rs:					
Date of Award					
Date of Completion					

A-IV

4 (A) Personnel Capabilities

Firm / Contractor should provide the names of suitability qualified personnel to meet the specified requirements stated in Section-3(Evaluation and Qualification Criteria). The data on their experience should be supplied using the Form below for each candidate.

Sr. No.	Title of Position	Name/Present Address with Contact Nos.
1.		
2.		
3.		
4.		
5.		

A-V.

5, Equipment Capabilities

Firm/Contractor shall provide adequate information to demonstrate clearly that capability to meet the requirements for the key equipment listed in Section-3 (Evaluation Qualification Criteria) A Separate Form Shall be prepared for each item of equipment for alternative equipment proposed by the Bidder.

Sr. No.	Name of Equipment	Name of Manufacture	Model and Power rating	Capacity	Year of Manufacture	Current Location	Sources Owned,I Leased Specially Manufacture
1.							
2.							
3.							
4.							
5.							
6.							
7.							
8.							
9.							
10.							

A-VI.

6. Following information shall be provided if equipment is not owned by the Bidder.

Sr. No.	Name of Equipment	Name of Owner	Address of Owner	Contact name and title with Telephone Fax & Email	Agreement Details of rental lease/ manufacture agreements specified to the Project
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					

A-VII**7. Financial Resources.****A. Banker's Information**

Sr. No.	Name & Address of Bank	Contact name and title with Telephone, Fax, E-Mail	
1.			

B. Financial Status: (Summarize actual assets and liabilities in Pak Rupees (Equivalent at the current rate of exchange at the end of each year, for the previous three years). A copy of the audited balance sheets should be attached.

Information from Balance Sheet/Income Statement	Year-I	Year-2	Year-3
1. Total Assets (T)			
2. Total Liabilities (TL)			
3. Current Assets (CA)			
4. Current Liabilities (CL)			
5. Total Revenues (TR)			
6. Profits Before Taxes (PBT)			
7. Profits After Taxes (PAT)			

C. Annual turnover data (Construction only)

Year Amount and Currency Rupees in Million

- 1.
- 2.
- 3.

Average annual construction turnover calculated as total certified payments received for work in progress or completed, divided by the number of years specified in Section-III, Qualification Criteria, Normally not be less than $2 \times V/T$, the estimated annual turnover or cash flow in the subject contract based on a straight-line projection of the Employer's Estimated cost (V) including contingencies, over the contract duration (T). The multiplier of two may be reduced for very large contracts but should be not be less than 1.5

8. Litigation History

Applicants, including each of the partners of a joint, venture, should provide information on any history of litigation or arbitration resulting from contracts executed in the last five year or currently under execute). A separate sheets should be used for each partners of joint venture.

A. Decided Litigation

Year.	Award for or Against Applicant	Name of Client, Cause of litigation, and matter in dispute	Disputed amount (Current Value Pak Rs. Or equivalent)

B. Pending Litigation

Year.	Matter in Dispute	Value of Pending Claim in USS Equivalent	Value of pending claim as a percentage of Net Woth

Section IV. Scope of Contract: (Description of works and Period of completion)

Sr. No.	Name of Work	Estimated Cost Million	Earnest Money Million	Completion Period	Tender Fee
1.	-----As detailed in NIT-----	6.939	0.140	9 Months	3000/-

Specification drawings, items of works and quantities of items are provided in Financial Proposal Documents.

SCHEDULE (A)

TERMS & CONDITIONS OF CONTRACT.

- 1. The Sindh sales tax special procedure (with holding) rules, 2011 shall apply to taxable services as are needed, provided or rendered to persons, specified as with holding agents, in the with holding procedure, for the purpose of deduction and deposit of sales tax.**
2. The Contract/Firm has to arrange potable water to use in construction on his cost.
3. The Contractor shall have to pay 0.30% of contract cost in shape of revenue stamp duty at the time of agreement.
4. 10% deposit will be recovered from contractor 2% in shape of call deposit along with bid and 8% shall be with held in all running bills.
5. All the material of approved quality will be used, Sample of the material, fixture, cement hill sand, crush, bricks pipes, fitting, UPVC, Electrical will be got approved in advance / before execution. For Pumping Machinery, Diesel Engine & Generator, Contractor will provide Manufacturers certificate which will be verified by Incharge Engineer before making payment samples shall be collected from each new lot stacked at site in the presence of Executive Engineer or representatives and jointly sealed and got tested from approved laboratory at contractor's own cost in case the contractor fails to comply with this condition.
6. The Contractor shall maintain at the site of work "Site Order Book" (of triplicate leaves) at his own cost for taking instructions and directions from the supervising monitoring officers/officials
7. The contractor shall at his own cost provide a suitable size high visibility signboard at each location indicating the details of project as approved by the Engineer in charge
8. No premium shall be allowed on non-schedule item and 1 year operation & maintenance component.
9. On successful completion of 1 year operation & maintenance, the contractor shall hand over the scheme to concerned Executive Engineer in sound and satisfactory running condition.

10. PAYMENT MECHANISM.

- A) The Contractor shall submit running bills against the work done at site to Executive Engineer for verification and payment.
- B) Payment against 1 year operation & maintenance shall be made on monthly basis, evenly divided in 12 months for each completed scheme.
- C) No cost escalation shall be allowed on operation & maintenance component or part there of.
- D) The contractor shall submit copy of each paid electricity bill to Executive Engineer every month regularly.
- E) Premium will be allowed on O/M item/Cost.

**EXECUTIVE ENGINEER
PUBLIC HEALTH ENGG: DIVISION I
HYDERABAD**



TENDER FOR THE WORK

Issue to M/s _____ Tender fee for Rs. _____ Recieved
Vide. _____ D.R No. _____ Dated: _____
_____ Dated of opening of Tender _____

**EXECUTIVE ENGINEER
PUBLIC HEALTH ENGG:DIVN: I
HYDERABAD**

I/We hereby tender the execution for the Rehabilitation of Rural Water Supply Schemes i/c One Year Operations & Maintenance of Schemes under written memorandum within the specified time in such memorandum at.

Percent ABOVE/BELOW the Estimate rated entered in the Schedule "B" Memorandum showing items of work to be carried out and in all respect with the specification designed and instructions writing referred to in Rule thereof.

- a). General Description: Rehabilitation of Rural Water Supply Scheme i/c One Year Operations & Maintenance of Schemes.
- b). Estimated Cost: Rs: 6.939 Millions
- c). Earnest Money 2% Call Deposit: Rs: 0.140
- g). Time of Completion 9 Months

Should be this tender be accepted I/We hereby agree to abide be the fulfill all the terms and provisions of the conditions of contract annexed hereto so as applicable and in default hereof to forfeit any pay the _____ the sum of money mentioned in the said conditions.

Receipt No. _____ Dated: _____ from the Government Treasury / Sub-Treasury / _____ in respect of the sum of the Rs. _____ is her with forwarded representing the earnest money

- a). The full value of which is to be absolutely forfeited to PHE Division # I Hyderabad deposited the full amount of Security Deposit specified in the above memorandum in accordance with Clause of the said conditions otherwise the sum of Rs. _____ shall be remained by the PHE Division # I Hyderabad on account of such Security Deposit specified in relevant Clause of the conditions/agreement.

N.B The Tender is required to undertake that all terms and conditions of the printed B-I Forms inclusive of the additional conditions etc approved by the Executive Engineer PHE Division # I Hyderabad will be binding on him and these will be includes and signed by him in the even acceptance of his tender.

**EXECUTIVE ENGINEER
PUBLIC HEALTH ENGG: DIVISION I
HYDERABAD**

SCHEDULE 'B'

Head of Account : SC-21021(021)KA-4534 P.H. Services

Name of Work : REHABILITATION OF O/M RURAL WATER SUPPLY
SCHEME TANDO HYDER TALUKA HYDERABAD(R)
DISTRICT HYDERABAD

S.#	Item	Qty	Rate	Unit	Amount
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GROUP 'A' CONSTRUCTION OF COMPOUND WALL

1. Dismantling brick work in lime or cement mortar. (GSINO.13 P-10)
3245.0 Cft @Rs: 1285/63 P% Cft Rs: 41719/-
2. Dismantling c.c. plain 1:3:6 (GSINO.19(b)P-10)
4515.0 Cft @Rs: 1306/80 P% Cft Rs: 59002/-
3. Excavation in foundation in building bridges and other structure i/c day belling dressing refilling around structure with excavated earth watering and ramming lead up to one chain (In ordinary soil)(GSINO.18(b)P/4)
6481.0 Cft @Rs: 3176/25 P%oCft Rs: 20585/-
4. C.C. brick or stone ballast 1 ½” to 2” gauge.(GSINO.4(b)P-16)(1:4:8)
1296.0 Cft @Rs: 9416/28 P% Cft Rs: 122035/-
5. Erection & removal of centering for RCC or plain c.c. work of portal wood 2nd class(vertical)(GSINO.19 (B-2) P-18)
9030.0 Sft @Rs: 3127/41 P%Sft Rs: 282405/-
6. Cement concrete plain including placing compacting finishing and curing, complete (i/c screening and washing of stone aggregate without shuttering (GSI No5 P/16) R:1:3:6
4515.0 Cft @Rs: 12595/- P% Cft Rs: 568664/-
7. Pacca brick work in other than building in cement sand mortar (1:6)(GSINO.7(d)P-21)
3192.0 Cft @Rs: 12346/65 P% Cft Rs: 394105/-
8. Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms moulds, lifting, shuttering curing rendering and finishing the exposed surface)(including screening and washing of shingle)(a)R.C. Work in roof slab, beams, columns, rafts, lintels and other structural members laid in situ or precast laid in position complete in all respect(i)Ratio 1:2:4)90 lbs cement 2 cft sand 4 cft shingle 1/8” to ¼” guage.(G.S.I.NO;6(a)P/16)
49.0 Cft @Rs: 337/- P.Cft Rs: 16513/-
9. Fabrication of mild steel reinforcement for cement concrete including cutting bending laying in position making joints and fastenings including cost of binding wire (also includes removal of rust from bars)(G.S.I.NO.8(b)P/16)
1.96 Cwt @Rs: 5001/70 P.Cwt Rs: 9803/-

S.#	Item	Qty	Rate	Unit	Amount
10.	Cement plaster 1:6 up to 12' height ½' thick R(1:4)(GSINO.13(b) P-52)	20828.0 Sft	@Rs: 2206/-	P%Sft	Rs: 459466/-
10.	Cement plaster 1:4 up to 12' height 3/8" thick R(1:4)(GSINO.11(a) P-52)	20828.0 Sft	@Rs: 2197/52	P%Sft	Rs: 457699/-
11.	White Wash One Coats (GSINO.26(A)P/53)	20828.0 Sft	@Rs: 416/63	P%Sft	Rs: 86776/-
12.	Colour Wash Three Coats (GSINO.25(b)P/53)	20828.0 Sft	@Rs: 1303/17	P%Sft	Rs: 271424/-
13.	Making and fixing steel grated door with 1/16"thick sheeting i/c angle iron frame 2x2x3/8"and 3/4" sq: bas 4"center to center with locking arrangement (GSINO.24P/92)	93.0 Sft	@Rs: 726/72	P.Sft	Rs: 67585/-
14.	Painting new surface preparing surface painting doors and window of any type i/c edge(GSINO.5(C)P/69)(Three Coats)	186.0 Sft	@Rs: 2116/41	P%Sft	Rs: 3937/-
15.	Carriage of 100cft/5 tons of all materials like stone aggregate, spawl, coal, lime, Surkhi etc: B.G Rail fastenings points and crossing bridges, Girders, pipe, Sheets Rails M.S Bars etc. or 1000 Nos 10"x5"x3" or 1000 Nos tiles 12"x6"x2"or 150 cft Of timber or 100 mounds of fuel wood by trucks or any other means owned by the Contractor.(SSINO.1 P/1)(Lead 2 miles)	7760.00 Cft	@Rs: 502/52	P%cft	Rs: 38996/-
TOTAL					Rs: 2900714/-

GROUP 'B' REPLACEMENT OF DISTRIBUTION SYSTEM

1.	Dismantling c.c. plain 1:2:4. (GSINO.19(c)P-10)	3200.0 Cft	@Rs: 3327/50	P%Cft	Rs: 106480/-
2.	Dismantling c.c. plain 1:4:8. (GSINO.19(a)P-10)	4736.0 Cft	@Rs: 1663/75	P%Cft	Rs: 78795/-
3.	Excavation for pipe lines into trenches and pits in soft soil i/c trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade cutting joint holes and disposal of surplus earth within a one chain as directed by Engineer in charge providing fence guards lights flags and temporary crossing for non vehicular traffic where ever required lift upto 5'ft(1.52m) and lead upto one chain (30.5mm)(P.H.S.I.NO. 1 P/60)	39900.0 Cft	@Rs: 3600/-	P%ocft	Rs: 143640/-
4.	Providing Laying uPVC Pressure pipe of class 'B' (equivalent)make fixing in trenches i/c cutting fitting and jointing with 'Z' joint with one rubber ring i/c testing with water to a head 61 meter or 200 ft. (PHSINO.E-1 P-22)				
	6"dia	800.0 Rft	@Rs: 262/-	P.Rft	Rs: 209600/-
	4"dia	4000.0 Rft	@Rs: 137/-	P.Rft	Rs: 548000/-
	3"dia	1600.0 Rft	@Rs: 90/-	P.Rft	Rs: 144000/-

S.#	Item	Qty	Rate	Unit	Amount
5.	Refilling the excavated stuff in trenches 6" thick layers i/c watering ramming to full compaction etc: complete.(PHSINO.24 P-77)	35910.0 Cft	@Rs: 2760/-	P%oCft	Rs: 99112/-
6.	Carriage of 100cft/5 tons of all materials like stone aggregate, spawl, coal, lime, Surkhi etc: B.G Rail fastenings points and crossing bridges, Girders, pipe, Sheets Rails M.S Bars etc. or 1000 Nos 10"x5"x3" or 1000 Nos tiles 12"x6"x2" or 150 cft Of timber or 100 mounds of fuel wood by trucks or any other means owned by the Contractor.(SSINO.1 P/1)(Lead 2 miles)	7936.00 Cft	@Rs: 502/52	P%cft	Rs: 39880/-
7.	Cost iron Special for PVC pipe. (SMINO. 1 P-68)				
i.	C.I. Bend 90o (PHSMINO.1 P-13)				
6"dia		1 No	@Rs: 2212/50	Each	Rs: 2213/-
4"dia		4 Nos	@Rs: 893/75	Each	Rs: 3575/-
3"dia		10 Nos	@Rs: 650/-	Each	Rs: 6500/-
ii.	C.I. Tee equal.(PHSMINO.5 P-14)				
6"dia		1 No	@Rs: 1950/-	Each	Rs: 1950/-
4"dia		6 Nos	@Rs: 1375/-	Each	Rs: 8250/-
3"dia		8 Nos	@Rs: 968/75	Each	Rs: 7750/-
iii.	C.I. Reducer.(PHSMINO.11 P-16)				
6"x 4"		2 Nos	@Rs: 893/75	Each	Rs: 1788/-
4"x 3"		5 Nos	@Rs: 568/75	Each	Rs: 2844/-
iv.	C.I. Giboult Joint. (SMINO.14 P-17)				
6"dia		4 Nos	@Rs: 1062/50	Each	Rs: 4250/-
4"dia		6 Nos	@Rs: 731/25	Each	Rs: 4388/-
3"dia		10 Nos	@Rs: 568/75	Each	Rs: 5688/-
v.	F.C. Rubber Ring. (SMINO. 3 P-21)				
6"dia		9 Nos	@Rs: 58/-	Each	Rs: 522/-
4"dia		28 Nos	@Rs: 95/-	Each	Rs: 2660/-
3"dia		49 Nos	@Rs: 129/-	Each	Rs: 6321/-
vi.	Blank flanges. (SMINO.12 P-17)				
4" dia		2 Nos	@Rs: 437/50	Each	Rs: 875/-
3" dia		5 Nos	@Rs: 312/50	Each	Rs: 1563/-
Total					Rs: 1430644/-

S.#	Item	Qty	Rate	Unit	Amount
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GROUP 'C' DE-SILTING OF STORAGE TANK

1.	Earth work excavation in ashes, sand, soft, soil or silt clearance undressed lead upto 50'ft(GSINO.2 P-1)	103601.0 Cft	@Rs: 1663/75	P%oCft	Rs: 172366/-
2.	Extra for wet earth work.(GSINO.15 P-4)	103601.0 Cft	@Rs: 1058/75	P%oCft	Rs: 109688/-
3.	Carriage of 100cft/5 tons of all materials like stone aggregate, spawl, coal, lime, Surkhi etc: B.G Rail fastenings points and crossing bridges, Girders, pipe, Sheets Rails M.S Bars etc. or 1000 Nos 10"x5"x3" or 1000 Nos tiles 12"x6"x2" or 150 cft Of timber or 100 mounds of fuel wood by trucks or any other means owned by the Contractor.(SSINO.1 P/1)(Lead 2 miles)	103601.0 Cft	@Rs: 502/52	P%Cft	Rs: 520616/-
					Total Rs: 802670/-

GROUP 'D' REPAIR OF PUMPING MACHINERY

1.	Repair of Centrifugal pump KSB of size 4"x3"(Rate Approved).	2.0 Nos	@Rs: 10000/-	Each	Rs: 20000/-
2.	Providing and Fixing circuit breaker 15,20,30,40,50,60,75 & 100 amp TP (XS-100NS) on prepared board as required. (ESINO.207 P-31)	2.0 Nos	@Rs: 9261/-	Each	Rs: 18522/-
3.	Rewinding of Electric Motor 3 Phase 400/440 volts, 50 Cycles with best quality insolated copper wire of required guage including testing on load with satisfactory result up to one week's time, opening and refitting and replacing the bolts if necessary excluding the cost of worn out material.(GSINO. 97 P-(110)(2 Pole 2800)				
40 BHP		1 No	@Rs: 38445/-	Each	Rs: 38445/-
					Total Rs: 76967/-

GROUP 'E' C.C. WORK ON PATH OF STORAGE TANK

1.	C.C. brick or stone ballast ½" 2" guage 1:4:8.(GsINO.4 (b)P-15)	2066.0 Cft	@Rs: 9416/28	P%Cft	Rs: 194540/-
2.	Erection and removal of centering for R.C.C. or plain cement concrete works of deodar wood (2 nd Class)(G.S.I.No:19 b(ii) P/18)	3667.0 Sft	@Rs: 3127/41	P%Sft	Rs: 114682/-
3.	Cement concrete plain including placing compacting finishing and curing, complete (i/c screening and washing of stone aggregate without shuttering (GSI No5 P/15) R:1:2:4.	1555.0 Cft	@Rs: 14429/25	P%Cft	Rs: 224375/-
Ratio 1:3:6		1698.0 Cft	@Rs: 12595/-	P%Cft	Rs: 213863/-

S.#	Item	Qty	Rate	Unit	Amount
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4. Cement Plaster 1:4 upto 12 height ½” thick. (GSINO.11(b)P-52)

4528.0 Sft @Rs: 2283/93

P%Sft Rs: 103416/-

Total Rs: 850876/-

CONDITION

1. Any error omission in description of item Qty: and unit will be governed by relevant schedule of rates & relevant rate analysis.
2. The Decision of the Superintending Engineer, PHE Circle Hyderabad will be final & binding on all parties in any shape.
3. The rate should be inclusive of all taxes.
4. No. Separate carriage will be paid.
5. No. Premium will be allowed on non schedule item.

CONTRACTOR

**EXECUTIVE ENGINEER
PUBLIC HEALTH ENGG:DIVN NO I
HYDERABAD**

**DETAILED WORKING ESTIMATE FOR ANNUAL OPERATION AND
MAINTENANCE COST OF RURAL WATER SUPPLY SCHEME TANDO HYDER
TALUKA HYDERABAD (RURAL) DISTRICT HYDERABAD**

**ABSTRACT OF COST
(OPERATION & MAINTENANCE)**

(A)	ESTABLISHMENT	RS: 168000/-
(B)	ELECTRICAL & MECHANICAL CHARGES	RS: 946560/-
(C)	ANNUAL MAINTENANCE & REPAIR CHARGES	RS: 166667/-
(D)	RAW WATER CHARGES	RS: 4998/-
(E)	DISINFACTION	RS: 138690/-
	TOTAL	RS: 1424915/-
	ADD: 2% CONTINGENCIES	RS: 28498/-
	TOTAL	RS: 1453413/-
	Total Cost for O/M of the scheme for one year	RS: 1453413/-

ASSISTANT ENGINEER
PUBLIC HEALTH ENGG:S/DIVISION
QASIMABAD

EXECUTIVE ENGINEER
PUBLIC HEALTH ENGG:DIVISION I
HYDERABAD

**DETAILED WORKING ESTIMATE FOR ANNUAL OPERATION AND
MAINTENANCE COST OF RURAL WATER SUPPLY SCHEME TANDO HYDER
TALUKA HYDERABAD (RURAL) DISTRICT HYDERABAD**

(A) ESTABLISHMENT

1.	Pump Operator.	1x12.0	= 12.0 Months	
	12 Months	@Rs: 7000/-	P.Months	Rs: 84000/-
2.	Chowkidar/Helper.	1x12.0	= 12.0 Months	
	12 Months	@Rs: 7000/-	P.Months	<u>Rs: 84000/-</u>
			Total	Rs: 168000/-

(B) ELECTRICAL & MECHANICAL CHARGES

i.	<u>Electric Charges</u>			
	Intake Work	1x40x0.746x3x365	= 32674.80 Units	
	Water Works	1x15x0.746x3x365	= <u>12253.05 Units</u>	
			= 44927.85 Units	
	44928.0 Units	@Rs: 20/-	P. Units	Rs: 898560/-
ii.	Provision for Lubricant such as Grease, Cotton, Waste and oil etc:			
		2x12.0	= 24.0 Months	
	24.0 Months	@Rs: 2000/-	P.M.	<u>Rs: 48000/-</u>
			Total	Rs: 946560/-

(C) ANNUAL MAINTENANCE & REPAIR CHARGES

6 2/3 i.e capital cost of Pumping Machinery

$$\frac{2500000 \times 20}{100 \times 3} \quad \text{Rs: } 166667/-$$

(D) RAW WATER CHARGES

$$\frac{76000 \times 11.26 \times 365}{6.25 \times 10000} \quad \text{Rs: } 4998/-$$

(E) DISINFANTION

Assuming a dose of 1 PPM of chlorine & equivalent to 3 PPM of bleaching powder

Qty of bleaching	$\frac{76000 \times 10 \times 4 \times 365}{1000000 \times 12}$	= 92.46 Cwt	
92.46 Cwt	@Rs: 1500/-	P.Cwt	Rs: 138690/-

ASSISTANT ENGINEER
PUBLIC HEALTH ENGG:S/DIVISION
QASIMABAD

EXECUTIVE ENGINEER
PUBLIC HEALTH ENGG:DIVISION I
HYDERABAD

PUBLIC HEALTH ENGINEERING DEPARTMENT
GOVERNMENT OF SINDH

PUBLIC HEALTH ENGINEERING DIVISION # 1 HYDERABAD



**BIDDING DOCUMENTS WITH FINANCIAL
PROPOSAL**

FOR

NAME OF WORK:-

Rehabilitation of Rural Water Supply Scheme
Masu Bhurgari District Hyderabad including
one year Operation & Maintenance of Schemes

Name of Department:	Public Health Engineering Department.
Name of Procuring Agency:	Executive Engineer, Public Health Engg: Division # 1 Hyderabad

Document issued to:- _____

1. **Introduction:**

Office of the Executive Engineer, PHE Division # 1 Hyderabad intends to carry out the work for “**Rehabilitation of Rural Water Supply Schemes in District Hyderabad including One (1) Year Operation and Maintenance of Schemes**”

(i) **Scope:**

Rehabilitation of Rural Water Supply Schemes i/c One Year Operations & Maintenance of Schemes in following Districts:

S #	Name of Schemes	Taluka
1.	Rehabilitation of Water Supply Scheme Massu Bhurgari	Hyderabad (Rural)

(ii). **Estimate Cost:** Rs. 21.100 (In Million)

(iii). **Completion Period:** 09 Months

- **Eligibility:** Valid Registration with Pakistan Engineering Council in Valid Category and field of specialization CE-09 & -10
- Applicants will be informed in due course of time, for the result of the evaluation. The financial proposals of only those firms/bidders will be entertained/accepted who will obtain the minimum criteria / qualifying score based on Marks / Score (SECTION-II)

2. **Section-I Instruction To Bidders/Applicants (ITB)**

Clause-I

The firm/contractor shall enclose the original copy of the documents in a sealed envelope along with Financial Proposal which shall:-

- (a) Bear the name and address of the Applicant.
- (b) Be delivered by hand or through courier/registered mail to address mentioned in advertisement (N.I.T) for the work.
- (c) Be clearly marked “Application for submission of Financial Proposal & Information / Documents

FOR

Rehabilitation of Rural Water Supply in Hyderabad District i/c One Year O/M of Schemes.

Clause-2

If the envelope is not sealed and marked as required, the procuring agency will assume no responsibility for the misplacement or pre-maturing opening of the document.

Clause-3

Document shall be prepared in English Language.

Clause-4

Firm/Contractor must respond to all questions and provide complete information as advised in this document. Any lapses to provide essential information may result in dis-qualification of the firm/contractor.

Clause-5 Clarification and Modification of Documents (SPP Rule-23)

Firm/Contractor, who has obtained documents, may request for clarification of contents bidding document in writing, and respond to such queries shall be made in writing within calendar days, provided they are received at least five calendar days prior to the date of open bid.

Clause-6 Addendum:

At any time prior to the deadline for submission of documents the procuring agency may amend the Document by issuing addenda. Any addendum issued shall be part of the Document shall be communicated in writing to all who have obtained the bidding document.

Clause-7 Deadline for submission of Documents (SPP Rule 22 & 24)

Documents shall be received by the procuring agency at the address Executive Engineer, PHE Division # 1 Hyderabad Telephone **9210353** not later than the _____ up to **1:00 PM** and tenders will be opened on _____ at **2:00 PM** in the presence of contractor or their authorized representatives. The procuring agency may, at its discretion, extend the deadline for the submission of documents by amend in subject to the previous deadline shall thereafter be subject to the deadline as extended.

Clause-8 Evaluation (Rule 27 (2)):

Firm/Contractors, general and particular experience, personnel and equipment capabilities, and financial position, as demonstrated by the Applicant's responses in prescribed forms will be evaluated as per evaluation criteria given in the document. The procurer agency reserves the right to waive minor deviations, if these don't materially affect the capability of an applicant to perform the contract. Sub-Engineer's experience and resources shall not be taken into account in determining the firm/contractor compliance with the qualifying criteria firms will be considered for similar treatment as in case of Joint Venture.

Clause-9 Clarification of Prequalification Information (Rule 43):

To assist the evaluation information, the agency may, at its discretion, ask any firm/contractor for a clarification information which shall be submitted within a stated reasonable period of time. Any request clarification shall be in writing. If any firm/contractor does not provide clarifications/ information requested by the date and time set in the agencies request for clarification application of the firm/contractor may be rejected.

Clause-10 Verification of

Documents / Information (Rule 28 (Id):

Verification of the information provided by the firms/contractors in the submissions for bidding along with Financial Proposal made. In case the information is found to be wrong or incorrect in any material way firm/contractor is found to be taking in the capability or resources to successfully perform contract, then it shall not be entertained and financial proposal submitted will not be accepted.

3. Section-II: Evaluation / Qualification Criteria.

1. Criteria based on Marks/Score

Mandatory Provisions/Eligibility: Firms/Contractors must possess (i) valid registration certificate of PEC for the year 2015 in the relevant category CE-09-10 discipline (ii) valid registration certificate from income tax authority (NTN), (iii) at least Two contract of equivalent value in last five years (iv) Litigation Affidavit by Bidder (v) Audited Accounts of Last 3 Years (vi) Firm/Contractors is not black listed (Attach all certificates and affidavit of not black listing)

(A) Company Profile.

- | | | |
|-----|--|-----------------|
| i. | Period since Firm/Contractor is in construction business | 10 Marks |
| | Up to 5 Years | 02 Marks |
| | Up to 10 Years | 05 Marks |
| | Above 10 Years | 10 Marks |
| | (Attach PEC License for each year) | |
| ii. | Office facilities | 05 Marks |
| | In Sindh Province | 03 Marks |
| | In any other province /Islamabad | 01 Mark |
| | Outside Country | 01 Mark |

(B) General Experience Record. 40 Marks

- | | | |
|-----|--|----------|
| i. | Projects of Water Supply Scheme
Completed over last 05 years costing about equivalent value
20 Marks for one project (basic requirement) | |
| | (Attach satisfactory completion certificates) | |
| ii. | Projects of similar nature and complexity in hand. | 20 Marks |
| | (10 Marks for each project having cost Rs. _____Million or above) | |

(Attach copies of work orders)

(C) Personnel Capabilities required for this project 20 Marks
Following factors shall be used as a guide line.

Sr. No.	Description/Position with qualification & experience	Number Required	Marks assigned	Remarks
1	BSc (Civil Engg:)/BE(Civil) Engineers registered with Pakistan Engineering Council (PEC) with experience of 5 years or above.	02	20	06 Marks for experience of 3 to 05 years. 09 Marks for above 10 years (Attach Tax payment challan showing at least 1 year continuous employment with firm 1 Additional Mark for MSc (Civil Engg:) / M.E (Civil)
2.	Diploma in Civil Engineering with experience of 2 years or above	04	10	Qualifying experience for Sub Engineer minimum Five(5) years

(D) Equipment Capability 10 Marks

- (a). Critical equipment and number required for the project shall be specified by the applicant.
- (b) High value equipment should be an option to own, lease or hire.
- (c) Total equipment available with the applicant is to be listed along with its current mobilization on on-going project.
(Details are to be provided in the attached form)

(E) Financial Soundness/Status 10 Marks

For Financial Status assessment, the Applicants may be required to submit audited Financial Statements for the last three years, the procuring agency will make enquires with the firms / contractors bankers.

Working Capital in hand for this project/work (Attach proof of Bank Statement/Credit Facilities)

- | | | |
|------|--|----------|
| i. | Less than 15% of Estimated Cost of this Work | 01 Marks |
| ii. | Less than 25% of Estimated Cost of this Work | 02 Marks |
| iii. | Less than 40% of Estimated Cost of this Work | 04 Marks |
| iv. | More than 40% of Estimated Cost of this Work | 10 Marks |

Qualifying Score is 50%, but it is mandatory to obtain 40% in each section.

(2) Based on Yes/No or Pass/Fail System.

Mandatory Provisions / Eligibility: Firms/contractors must possess (i) valid registration certificate of PEC in the category CE-09 and CE10 discipline for 2014 year, (ii) valid registration certificate from income tax authority (NTN), and (iii) is not black listed (Attach all certificates and affidavit of not black listing)

Required Documents: It must include following information / documents:-

(A) Firm/Contractor have been in business of construction at least for 05 years.

(B) Experience and past projects performance.

(i). Have completed at least (1) scheme of water supply having cost of at least 50 Million of the single project in the last Five (05) years.

(ii). Have executed at least one (01) project in similar geographical condition in last five (05 years).

(Attach performance certificates of completed projects)

(C) Key Personal Qualification & Experience

(Requirement will vary from assignment to assignment)

(i). **Site Engineers.** Qualification: B.E (Civil), Number ().
Experience: () Similar assignments,
() years experience.

(ii). **Sub Engineer/** Qualification: Diploma in Civil, Number; ()
Quantity Surveyors: Experience: () similar assignment,
() years experience.

(D) Equipment.

(a) Critical equipment and number required for the project shall be specified by the bidder (Attach list of equipment).

(b). High value equipment should be an option to own, lease or hire.

(c). Total equipment available with the applicant is to be listed along with its current mobilization on on-going projects

(E). Financial:

(i). Documentary evidence of financial position, bank statement or audited accounts last Three (03 Years)

(ii). Average Annual turnover of the last three years should not be less than thrice the cost of work under procurement.

Any other information.

- i) Details of disputes/litigation or arbitration with client if any.
- ii) Any other document/information desired by procuring agency.

G. BID EVALUATION PROCEDURE

S#	Name of Bidder	Eligibility points	wt: 80%	Final Eligibility	Financial Points (cost of lowest bidder/cost of bidder)×100=	Finan: wt: 20%	Final Finan: points	Combined Score Col(5+8)	Bid declared by the Committee
1	2	3	4	5	6	7	8	9	10

4. Section-III Application Forms.

A.I **Application Submission Form** (The covering letter is to be submitted by the interested firm/contractor partner responsible for a joint venture, on appropriate company letter head.

1. CONTRACT AGREEMENT

The Contractor shall within 07 days of issuance of letter of award/intent or when called upon. To do so enter and execute a Contract Agreement on PWD format as annexed with the tender.

2. PERFORMANCE SECURITY

The Contractor shall obtain (at his cost) a Performance Security for proper performance, 5% of the Contract/bidding Amount and denominated in the currency (ies) of the Contract or in a freely convertible currency acceptable to the Procuring Agency.

The Contractor shall deliver the Performance Security to the Procuring Agency. within 28 days after receiving the Letter of Acceptance. The Performance Security shall be issued by a reputable bank or financial institution selected by the Contractor, and shall be in the form as provided by the Procuring Agency.

The Contractor shall ensure that the Performance Security is valid and enforceable until the Contractor has executed and completed the Works i/c O & M period and remedied and defects. If the terms of the Performance Security specify its expiry date, and the Contractor has not become entitled to receive the Performance Certificate by the date 28 days prior to the expiry date, the Contractor shall extend the validity of the Performance Security until the Works have been completed and any defects have been remedied.

The Procuring Agency shall not make a claim under the Performance Security, except for amounts to which the Employer is entitled under the Contract.

The Procuring Agency shall indemnify and hold the contractor harmless against and from all damages, losses and expenses (including legal fees and expenses) resulting from claim under the Performance Security to the extent to which the Employer was not entitled to make the claim.

The Procuring Agency shall return the Performance Security to the Contractor within 21 days after receiving a copy of the Performance Certificate.

Without limitation to the provisions of the rest of this Sub-Clause, whenever the Procuring Agency determines an addition or a reduction to the Contract Price as a result of a change in cost and/or legislation, or as a result of a Variation, amounting to more than 25 percent of the portion of the Contract Price payable in a specific currency, the Contractor shall at the Procuring Agency's request promptly increase, or may decrease, as the case may be, the value of the Performance Security in that currency by an equal percentage.

To,

The Executive Engineer,
Public Health Engineering,
Division # I Hyderabad

WHEREAS the contract of **Rehabilitation of Rural Water Supply Schemes in Hyderabad Districts including One Year Operation and Maintenance of Schemes** has been awarded to M/s _____ (hereinafter called the Contractor).

AND WHEREAS under the terms of the said contract vide letter of Intent No. _____, dated _____ you have agreed to advance a sum of Rs. _____ (Rupees _____) only to the Contractor M/s _____

for execution of the said work. This advance is to be recovered proportionately at the rate of 25% from each running bill of the Contractor for the subject work, till the entire amount is recovered.

IN CONSIDERATION OF THE ABOVE, I/ we M/s _____ at _____ of Bank Guarantee _____ to you for Contract terms and the above amount Rs. _____ (Rupees _____) only on behalf of the Contractor, and in default thereof we undertake to pay you on demand any sum upto but not exceeding Rs. _____ (Rupees _____) only of the outstanding amount of

advance given by you to the said Contractor upto the date of such demand, provided always our liability hereunder shall not exceed the aggregate amount of Rs. _____ (Rupees _____) only.

THIS GUARANTEE shall be irrevocable and we shall make an unconditional payment to you of the aforesaid amount on demand without further question and without any reference to the said Contractor.

Sd/-

To,

The Executive Engineer,
Public Health Engineering,
Division I Hyderabad

Dear Sir,

SUBJECT: Financial Proposal and Documents/information required for "Rehabilitation or Rural Water Supply Schemes in Hyderabad District including One Year Operation & Maintenance of Schemes.

Dear Sir,

I/We _____ the undersigned, being duly authorized to represent and act on of _____ submit the financial proposal and required Documents/Information for the project above and enclose one original copy of Financial Proposal and required documents/information and the following.

- (a) I have examined and have no reservations to the Document, including Ad No.(s) _____, issued in accordance with ITB Clause-6.
 - (b). I understand that Procuring Agency may cancel the tendering process at any time an Procuring Agency is not bound either to accept any application that it may receive or financial proposals of technically disqualified bidders, without incurring any liability applicants.
 - (c). Bids by technically qualified applicants will be subject to verification of all information submitted at the time of bidding.
 - (d) Agency reserves the right to amend the scope and value of any contract under this project.
4. The Procuring Agency and its authorized representative (s) may contact the following persons (s) for further information, if needed.

Person to be contacted:

Telephone: _____

5. The undersigned declares that the statements and the information provided are complete and correct in every detail.

Signed

Name: _____

A-II

1. Company Profile

Date: _____

Contract: _____

All individual firms and each partner of a joint venture applying for submission of Technical Proposal requested to complete the information in this form.

1.	Name of Firm (legal): (In case of Joint Venture (JV), legal name of each partner:
2.	Nature of Business: (Whether the firm is a Corporation, Partnership, Trust etc) (In Case of Consortium, whether the lead consortium member is a corporation, partnership, Trust etc)
3.	Head Office Address
4.	Telephone Fax Numbers: E-Mail Address:
5.	Place of Incorporation/Registration: Year of incorporation / registration:
6.	Applicant's authorized representative: Telephone Fax Number E-mail address:
7.	NATIONALITY OF OWNERS Name _____ Country _____

A-III**2. General Experience Record**

- (i). Details of Contracts of Similar Nature and Complexity completed over last 05 years.

Sr.No.	1	2	3	4	5
Name of Contract:					
Country:					
Name of Procuring Agency with Address, Telephone, Fax					
Nature of Works and special features relevant to the contract for which applied.					
Contract Role (Mention: Sole, Sub-Contractor or Partner in a Joint Venture)					
Value of the total contract in Pak/Rs:					
Date of Award					
Date of Completion					

(ii) Projects of Similar nature and complexity in hand.

Firms/Contractor and each partner of the joint venture should provide information on their current commitments on all contractors that have been awarded, or for which a letter of intend or acceptance has been received, or for contracts approaching completion, but for which substantial Completion Certificate has yet to be issued.

Name of Contract	Value of Contract	Name of Procuring Agency	Value of Outstanding work (Equivalent Pak Rs. Millions)	Estimated Completion Date

(iii) Projects executed in similar geographical conditions in last five (5) years.

Sr.No.	1	2	3	4	5
Name of Contract:					
Country:					
Name of Procuring Agency with Address, Telephone, Fax					
Nature of Works and special features relevant to the contract for which applied.					
Contract Role (Mention: Sole, Sub-Contractor or Partner in a Joint Venture)					
Value of the total contract in Pak/Rs:					
Date of Award					
Date of Completion					

A-IV

4 (A) Personnel Capabilities

Firm / Contractor should provide the names of suitability qualified personnel to meet the specified requirements stated in Section-3(Evaluation and Qualification Criteria). The data on their experience should be supplied using the Form below for each candidate.

Sr. No.	Title of Position	Name/Present Address with Contact Nos.
1.		
2.		
3.		
4.		
5.		

A-V.

5, Equipment Capabilities

Firm/Contractor shall provide adequate information to demonstrate clearly that capability to meet the requirements for the key equipment listed in Section-3 (Evaluation Qualification Criteria) A Separate Form Shall be prepared for each item of equipment for alternative equipment proposed by the Bidder.

Sr. No.	Name of Equipment	Name of Manufacture	Model and Power rating	Capacity	Year of Manufacture	Current Location	Sources Owned,I Leased Specially Manufacture
1.							
2.							
3.							
4.							
5.							
6.							
7.							
8.							
9.							
10.							

A-VI.

6. Following information shall be provided if equipment is not owned by the Bidder.

Sr. No.	Name of Equipment	Name of Owner	Address of Owner	Contact name and title with Telephone Fax & Email	Agreement Details of rental lease/ manufacture agreements specified to the Project
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					

A-VII**7. Financial Resources.****A. Banker's Information**

Sr. No.	Name & Address of Bank	Contact name and title with Telephone, Fax, E-Mail	
1.			

B. Financial Status: (Summarize actual assets and liabilities in Pak Rupees (Equivalent at the current rate of exchange at the end of each year, for the previous three years). A copy of the audited balance sheets should be attached.

Information from Balance Sheet/Income Statement	Year-I	Year-2	Year-3
1. Total Assets (T)			
2. Total Liabilities (TL)			
3. Current Assets (CA)			
4. Current Liabilities (CL)			
5. Total Revenues (TR)			
6. Profits Before Taxes (PBT)			
7. Profits After Taxes (PAT)			

C. Annual turnover data (Construction only)

Year Amount and Currency Rupees in Million

- 1.
- 2.
- 3.

Average annual construction turnover calculated as total certified payments received for work in progress or completed, divided by the number of years specified in Section-III, Qualification Criteria, Normally not be less than $2 \times V/T$, the estimated annual turnover or cash flow in the subject contract based on a straight-line projection of the Employer's Estimated cost (V) including contingencies, over the contract duration (T). The multiplier of two may be reduced for very large contracts but should be not be less than 1.5

8. Litigation History

Applicants, including each of the partners of a joint, venture, should provide information on any history of litigation or arbitration resulting from contracts executed in the last five year or currently under execute). A separate sheets should be used for each partners of joint venture.

A. Decided Litigation

Year.	Award for or Against Applicant	Name of Client, Cause of litigation, and matter in dispute	Disputed amount (Current Value Pak Rs. Or equivalent)

B. Pending Litigation

Year.	Matter in Dispute	Value of Pending Claim in USS Equivalent	Value of pending claim as a percentage of Net Woth

Section IV. Scope of Contract: (Description of works and Period of completion)

Sr. No.	Name of Work	Estimated Cost Million	Earnest Money Million	Completion Period	Tender Fee
1.	-----As detailed in NIT-----	21.100	0.422	9 Months	3000/-

Specification drawings, items of works and quantities of items are provided in Financial Proposal Documents.

SCHEDULE (A)

TERMS & CONDITIONS OF CONTRACT.

- 1. The Sindh sales tax special procedure (with holding) rules, 2011 shall apply to taxable services as are needed, provided or rendered to persons, specified as with holding agents, in the with holding procedure, for the purpose of deduction and deposit of sales tax.**
2. The Contract/Firm has to arrange potable water to use in construction on his cost.
3. The Contractor shall have to pay 0.30% of contract cost in shape of revenue stamp duty at the time of agreement.
4. 10% deposit will be recovered from contractor 2% in shape of call deposit along with bid and 8% shall be with held in all running bills.
5. All the material of approved quality will be used, Sample of the material, fixture, cement hill sand, crush, bricks pipes, fitting, UPVC, Electrical will be got approved in advance / before execution. For Pumping Machinery, Diesel Engine & Generator, Contractor will provide Manufacturers certificate which will be verified by Incharge Engineer before making payment samples shall be collected from each new lot stacked at site in the presence of Executive Engineer or representatives and jointly sealed and got tested from approved laboratory at contractor's own cost in case the contractor fails to comply with this condition.
6. The Contractor shall maintain at the site of work "Site Order Book" (of triplicate leaves) at his own cost for taking instructions and directions from the supervising monitoring officers/officials
7. The contractor shall at his own cost provide a suitable size high visibility signboard at each location indicating the details of project as approved by the Engineer in charge
8. No premium shall be allowed on non-schedule item and 1 year operation & maintenance component.
9. On successful completion of 1 year operation & maintenance, the contractor shall hand over the scheme to concerned Executive Engineer in sound and satisfactory running condition.

10. PAYMENT MECHANISM.

- A) The Contractor shall submit running bills against the work done at site to Executive Engineer for verification and payment.
- B) Payment against 1 year operation & maintenance shall be made on monthly basis, evenly divided in 12 months for each completed scheme.
- C) No cost escalation shall be allowed on operation & maintenance component or part there of.
- D) The contractor shall submit copy of each paid electricity bill to Executive Engineer every month regularly.
- E) Premium will be allowed on O/M item/Cost.

**EXECUTIVE ENGINEER
PUBLIC HEALTH ENGG: DIVISION I
HYDERABAD**



TENDER FOR THE WORK

Issue to M/s _____ Tender fee for Rs. _____ Recieved
Vide. _____ D.R No. _____ Dated: _____
_____ Dated of opening of Tender _____

**EXECUTIVE ENGINEER
PUBLIC HEALTH ENGG:DIVN: I
HYDERABAD**

I/We hereby tender the execution for the Rehabilitation of Rural Water Supply Schemes i/c One Year Operations & Maintenance of Schemes under written memorandum within the specified time in such memorandum at.

Percent ABOVE/BELOW the Estimate rated entered in the Schedule "B" Memorandum showing items of work to be carried out and in all respect with the specification designed and instructions writing referred to in Rule thereof.

- a). General Description: Rehabilitation of Rural Water Supply Scheme i/c One Year Operations & Maintenance of Schemes.
- b). Estimated Cost: Rs: 21.100 Millions
- c). Earnest Money 2% Call Deposit: Rs: 0.422
- g). Time of Completion 9 Months

Should be this tender be accepted I/We hereby agree to abide be the fulfill all the terms and provisions of the conditions of contract annexed hereto so as applicable and in default hereof to forfeit any pay the _____ the sum of money mentioned in the said conditions.

Receipt No. _____ Dated: _____ from the Government Treasury / Sub-Treasury / _____ in respect of the sum of the Rs. _____ is her with forwarded representing the earnest money

- a). The full value of which is to be absolutely forfeited to PHE Division # I Hyderabad deposited the full amount of Security Deposit specified in the above memorandum in accordance with Clause of the said conditions otherwise the sum of Rs. _____ shall be remained by the PHE Division # I Hyderabad on account of such Security Deposit specified in relevant Clause of the conditions/agreement.

N.B The Tender is required to undertake that all terms and conditions of the printed B-I Forms inclusive of the additional conditions etc approved by the Executive Engineer PHE Division # I Hyderabad will be binding on him and these will be includes and signed by him in the even acceptance of his tender.

**EXECUTIVE ENGINEER
PUBLIC HEALTH ENGG: DIVISION I
HYDERABAD**

SCHEDULE 'B'

Head of Account :

Name of Work : REHABILITATION OF RURAL WATER SUPPLY SCHEME
MASSU BHURGARI TALUKA HYDERABAD (RURAL)
DISTRICT HYDERABAD

S.#	Item	Qty	Rate	Unit	Amount
-----	------	-----	------	------	--------

GROUP 'A' P/L/JOINTING & TESTING PVC DISTT: SYSTEM

1. Dismantling & Removing road metalling. (GSINO.51 P-13)
5775.0 Cft @Rs: 605/- P%Cft Rs: 34939/-
2. Dismantling c.c. plain 1:2:4 (GSINO.19(i)P-10)
4851.0 Cft @Rs: 3327/50 P%Cft Rs: 161417/-
3. Dismantling cement with brick aggregate. (GSINO.19(d)P-10)
7350.0 Cft @Rs: 907/50 P%Cft Rs: 66701/-
4. Excavation for pipe lines into trenches and pits in soft soil i/c trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade cutting joint holes and disposal of surplus earth within a one chain as directed by Engineer in charge providing fence guards lights flags and temporary crossing for non vehicular traffic where ever required lift upto 5'ft(1.52m) and lead upto one chain (30.5mm)(P.H.S.I.NO. 1 P/60)
56499.0 Cft @Rs: 3600/- P%ocft Rs: 203396/-
5. Carriage of 100cft/5 tons of all materials like stone aggregate, spawl, coal, lime, Surkhi etc: B.G Rail fastenings points and crossing bridges, Girders, pipe, Sheets Rails M.S Bars etc. or 1000 Nos 10"x5"x3" or 1000 Nos tiles 12"x6"x2" or 150 cft Of timber or 100 mounds of fuel wood by trucks or any other means owned by the Contractor.(SSINO.1 P/1)(Lead 1 miles)
17976.00 Cft @Rs: 407/- P%cft Rs: 73162/-
6. Refilling the excavated stuff in trenches 6" thick layers i/c watering ramming to full compaction etc: complete.(PHSINO.24 P-77)
50849.0 Cft @Rs: 2760/- P%oCft Rs: 140343/-
7. Providing Laying uPVC Pressure pipe of class 'B' (equivalent)make fixing in trenches i/c cutting fitting and jointing with 'Z' joint with one rubber ring i/c testing with water to a head 61 meter or 200 ft. (PHSINO.1(a.b.c.d)P22)
8"dia 1200.0 Rft @Rs: 402/- P.Rft Rs: 482400/-
6"dia 2000.0 Rft @Rs: 262/- P.Rft Rs: 524000/-
4"dia 3200.0 Rft @Rs: 137/- P.Rft Rs: 438400/-
3"dia 4900.0 Rft @Rs: 90/- P.Rft Rs: 441000/-
8. Cost iron Special for PVC pipe. (SMINO. 1 P-28)
 - i. C.I. Bend 90o
8"dia 4 Nos @Rs: 3312/50 Each Rs: 13250/-
6"dia 4 Nos @Rs: 2212/50 Each Rs: 8850/-
4"dia 3 Nos @Rs: 893/75 Each Rs: 2681/-
3"dia 13 Nos @Rs: 650/- Each Rs: 8450/-

S.#	Item	Qty	Rate	Unit	Amount
9.	C.I. Tee (Equal)				
	8"dia	1 No	@Rs: 5250/-	Each	Rs: 5250/-
	6"dia	8 Nos	@Rs: 1950/-	Each	Rs: 15600/-
	4"dia	15 Nos	@Rs: 1375/-	Each	Rs: 20625/-
	3"dia	5 Nos	@Rs: 968/75	Each	Rs: 4844/-
10.	C.I. Reducer.				
	8"x 6"	1 No	@Rs: 1218/75	Each	Rs: 1219/-
	8"x 4"	1 No	@Rs: 1137/50	Each	Rs: 1338/-
	4"x 3"	1 No	@Rs: 568/75	Each	Rs: 569/-
11.	C.I. End Plug.				
	4"dia	1 No	@Rs: 425/-	Each	Rs: 425/-
	3"dia	16 Nos	@Rs: 368/75	Each	Rs: 5900/-
12.	C.I. Sluice valve heavy pattern (Test Pressure)21.0kg/sq/cm or 300 lb/sq.inch)(imported)(SMINO. 2.(b) P-11)				
	6"dia	1 No	@Rs: 9360/-	Each	Rs: 9360/-
	4"dia	1 No	@Rs: 5460/-	Each	Rs: 5460/-
13.	PVC Socket. (SMINO.III P-27)				
	6"dia	12 Nos	@Rs: 1575/-	Each	Rs: 18900/-
	4"dia	36 Nos	@Rs: 1125/-	Each	Rs: 40500/-
	3"dia	39 Nos	@Rs: 405/-	Each	Rs: 15795/-
14.	Rubber Ring Extra. (SMINO.7 P-5)				
	8"dia	12 Nos	@Rs: 161/-	P.Pair	Rs: 1932/-
	6"dia	24 Nos	@Rs: 129/-	P.Pair	Rs: 3096/-
	4"dia	72 Nos	@Rs: 95/-	P.Pair	Rs: 6840/-
	3"dia	78 Nos	@Rs: 58/-	P.Pair	Rs: 4524/-
15.	Fixing of sluice valves with 2-cast iron tail pieces, one end flanged and other with socket i/c the cost of nuts bolts and rubber packing labour etc: complete. (PHSINO11(c)P-12)				
	6"dia	1.0 No	@Rs: 1886/-	Each	Rs: 1886/-
	4"dia	1.0 Nos	@Rs: 1532/-	Each	Rs: 1532/-
16.	Providing chamber 21/2x2 1/2 (750x750' mm) inside dia mansion 4 1/2'(1372mm) Deep as per approved design for sluice valve 3"to 12"dia with 18"(457mm)dia inside cost iron cover and frame (wt=1 Cwt 3 qr)fixed in RCC 1:2:4 (102 mm)thick (with 5 lbs steel per cft)9"(299mm)thick brick masonry walls set in 1:6 cement mortar 6"(1152mm)thick c.c 1:3:6 in foundation 1(25mm)thick c.c 1:2:4 flooring 1/2" (12.5mm)thick cement plaster 1:3 to all inside wall surface and top i/c providing and fixing M.S foot beyond 2 1/2"ft depth curing excavation back filling and disposal of surplus earth etc :complete(PHSINO.1P/49)				
		2.0 Nos	@Rs: 18820/-	Each	Rs: 37640/-
					Total Rs: 2802224/-

S.#	Item	Qty	Rate	Unit	Amount
-----	------	-----	------	------	--------

GROUP 'B' PUMP HOUSE @ INTAKE WORK

1.	Excavation in foundation in building bridges and other structure i/c day belling dressing refilling around structure with excavated earth watering and ramming lead up to one chain (In ordinary soil)(GSINO.18(b)P/4)	294.00Cft	@Rs: 3176/25 P%ocft		Rs: 934/-
2.	Cement Concrete brick or stone ballast 1 ½ to 2 gauge (GSINO.4)P/14)				
a)	<u>Ration 1:4:8</u>	59.00Cft	@Rs: 9416/28 P%cft		Rs: 5556/-
b)	Ration 1:5:10 Under floor of Pump House	57.00 Cft	@Rs: 8694/95 P%cft		Rs: 4956/-
3.	Cement Concrete plain including placing compacting finishing and curing complete (including screening and washing at stone aggregate without (GSINo.5(h))P/15)1:3:6	235.00 Cft	@Rs: 12595/- P%cft		Rs: 29598/-
4.	Erection and removal of centering for RCC or plain cement concrete works of deodar wood (2 nd class)(Vertical) (GSINO.19(a)(ii)P/19)	470.00 Sft	@Rs: 3127/41 P%Sft		Rs: 14699/-
5.	Pucca Brick work in ground floor i/c striking joint in cement sand mortar (1:6) (G.S.I.NO;5(i)(e)P/20)	299.00 Cft	@Rs: 12674/36 P%Cft		Rs: 37896/-
6.	Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms moulds, lifting, shuttering curing rendering and finishing the exposed surface)\(including screening and washing of shingle)(a)R.C. Work in roof slab, beams, columns, rafts, lintels and other structural members laid in situ or precast laid in position complete in all respect(i)Ratio 1:2:4)90 lbs cement 2 cft sand 4 cft shingle 1/8" to 1/4" guage.(G.S.I.NO.6(a)P/16)	100.0 Cft	@Rs: 337/- P.Cft		Rs: 33700/-
7.	Fabrication of mild steel reinforcement for cement concrete including cutting bending laying in position making joints and fastenings including cost of binding wire (also includes removal of rust from bars(G.S.I.NO.8(b)P/16)	4.01 Cwt	@Rs: 5001/70 P.Cwt		Rs: 20057/-
8.	Filling watering and ramming earth under floor with new earth excavated from out side lead up to one chain & lift up to 5 ft(GSINO.22 P-4)	115.0 Cft	@Rs: 3630/- P%oCft		Rs: 417/-
9.	Providing and laying 2" thick topping cement concrete (1:2:4)including surface finishing and dividing into panels (G.S.I.NO;16(d)P/41)	120.0 Sft	@Rs: 3275/50 P%Sft		Rs: 3931/-
10.	Cement Plaster 1:4 upto 12"height ½ thick (G.S.I.NO.10(b)P/51)	940.0 Sft	@Rs: 2283/93 P%Sft		Rs: 21469/-
11.	White wash 1 Coat (G.S.I.NO.26(a)P/54)	909.0 Sft	@Rs: 416/63 P%Sft		Rs: 3787/-

S.#	Item	Qty	Rate	Unit	Amount
12.	White wash Three Coat.(G.S.I.NO.26(c)P/54)	204.0 Sft	@Rs: 829/95	P%Sft	Rs: 1693/-
13.	Colour wash 2 Coat.(G.S.I.NO.25(b)P/53)	909.0 Sft	@Rs: 859/90	P%Sft	Rs: 7816/-
14.	Making and fixing steel grated doors 1/16"thick sheeting i/c angle iron frame 2"x2" 3/8 and 3/4 sq bars 4" centre to centre with locking arrangement. (G.S.I.NO.24 P/91)	22.75 Sft	@Rs: 726/72	P.Sft	Rs: 16533/-
15.	Painting new surface preparing surface and painting of door land window any type i/c edges to subsequent cost over primary i/c cost three costs. (GSINO.41 P-62)	45.50 Sft	@Rs: 2116/41	P%Sft	Rs: 963/-
16.	Supplying and fixing in position iron/steel grill of 3/4 x 1/4 " size flat iron of approved design including painting 3 coats etc complete (weight not to be less than 3/7 lbs/sq foot of finished grill) (G.S.I.NO.26 P/93)	30.0 Sft	@Rs: 180/50	P.Sft	Rs: 5415/-
17.	Fabrication of heavy steel work with angles, tees flat iron, iron and sheet iron for making trusses, girder, tank etc: i/c cutting riveting, handling assembling and fixing but i/c erection in position.(GSINO.2 P-96)	2.54 Cwt	@Rs: 4928/-	P.Cwt	Rs: 12518/-
18.	Erection and fitting in position of iron trusses staging of water tank etc.. (GSINO.2 P-96)	2.54 Cwt	@Rs: 271/06	P.Cwt	<u>Rs: 688/-</u>
			TOTAL		Rs: 222626/-

GROUP 'C' PUMP HOUSE @ WATER WORK

1.	Dismantling c.c. reinforced separating reinforcement from concrete cleaning and straightening the same. (GSINO.20 P-10)	95.81 Cft	@Rs: 5445/-	P%oCft	Rs: 5217/-
2.	Dismantling brick work in lime or cement mortar. (GSINO.13 P-10)	299.0 Cft	@Rs: 1285/63	P%Cft	Rs: 3844/-
3.	Dismantling c.c. Plain 1:3:6. (GSINO. 19(b)P-10)	165.0 Cft	@Rs: 1306/80	P%Cft	Rs: 2156/-
4.	Excavation in foundation in building bridges and other structure i/c day belling dressing refilling around structure with excavated earth watering and ramming lead up to one chain (In ordinary soil)(GSINO.18(b)P/4)	294.00 Cft	@Rs: 3176/25	P%ocft	Rs: 934/-
5.	Cement Concrete brick or stone ballast 1 1/2 to 2 gauge (GSINO.4)P/14)				
a)	<u>Ration 1:4:8</u>	59.00 Cft	@Rs: 9416/28	P%cft	Rs: 5556/-
b)	Ration 1:5:10 Under floor of Pump House	57.00 Cft	@Rs: 8694/95	P%cft	Rs: 4956/-

S.#	Item	Qty	Rate	Unit	Amount
6.	Cement Concrete plain including placing compacting finishing and curing complete (including screening and washing at stone aggregate without (GSINo.5(h))P/15)(1:3:6)	165.00 Cft	@Rs: 12595/- P%	cft	Rs: 20782/-
7.	Erection and removal of centering for RCC or plain cement concrete works of deodar wood (2 nd class) (GSINO.19(a)(ii)P/17)	329.0 Sft	@Rs: 3127/41 P%	Sft	Rs: 10289/-
8.	Pucca Brick work in ground floor i/c striking joint in cement sand mortar (1:6) (G.S.I.NO;5(i)(e)P/20)	299.00 Cft	@Rs: 12674/36 P%	Cft	Rs: 37896/-
9.	Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms moulds, lifting, shuttering curing rendering and finishing the exposed surface)\(including screening and washing of shingle)(a)R.C. Work in roof slab, beams, columns, rafts, lintels and other structural members laid in situ or precast laid in position complete in all respect(i)Ratio 1:2:4)90 lbs cement 2 cft sand 4 cft shingle 1/8" to 1/4" guage.(G.S.I.NO;6(a)P/16)	100.0 Cft	@Rs: 337/- P.	Cft	Rs: 33700/-
10.	Fabrication of mild steel reinforcement for cement concrete including cutting bending laying in position making joints and fastenings including cost of binding wire (also includes removal of rust from bars(G.S.I.NO.8(b)P/16)	4.01 Cwt	@Rs: 5001/70 P.	Cwt	Rs: 20057/-
11.	Filling watering and ramming earth under floor with new earth excavated from out side lead up to one chain & lift up to 5 ft(GSINO.22 P-4)	115.0 Cft	@Rs: 3630/- P%	oCft	Rs: 417/-
12.	Providing and laying 2" thick topping cement concrete (1:2:4) including surface finishing and dividing into panels (G.S.I.NO;16(d)P/41)	120.0 Sft	@Rs: 3275/50 P%	Sft	Rs: 3931/-
13.	Cement Plaster 1:4 upto 12"height 1/2 thick (G.S.I.NO.10(b)P/51)	940.0 Sft	@Rs: 2283/93 P%	Sft	Rs: 21469/-
14.	White wash 1 Coat (G.S.I.NO.26(a)P/53)	909.0 Sft	@Rs: 416/63 P%	Sft	Rs: 3787/-
15.	White wash Three Coat.(G.S.I.NO.26(c)P/54)	2040.0 Sft	@Rs: 829/95 P%	Sft	Rs: 1693/-
16.	Colour wash 2 Coat.(G.S.I.NO.25(b)P/54)	909.0 Sft	@Rs: 859/90 P%	Sft	Rs: 7816/-
17.	Making and fixing steel grated doors 1/16"thick sheeting i/c angle iron frame 2"x2" 3/8 and 3/4 sq bars 4" centre to centre with locking arrangement. (G.S.I.NO.24 P/91)	22.75 Sft	@Rs: 726/72 P%	Sft	Rs: 16533/-

S.#	Item	Qty	Rate	Unit	Amount
18.	Fabrication of heavy steel work with angles, tees flat iron, iron and sheet iron for making trusses, girder, tank etc: i/c cutting riveting, handling assembling and fixing but i/c erection in position. (GSINO. 2 P-96)	2.54 Cwt	@Rs: 4928/49 P.Cwt		Rs: 12518/-
19.	Erection and fitting in position of iron trusses staging of water tank etc: (GSINO.2 P-96)	2.54 Cwt	@Rs: 271/06 P.Cwt		Rs: 688/-
20.	Painting new surface preparing surface and painting of door and windows any type i/c edges to subsequent cost over primary i/c cost three costs. (GSINO.4 P-68)	45.0 Sft	@Rs: 2116/41 P%Sft		Rs: 952/-
21.	Supplying and fixing in position iron/steel grill of ¾ x ¼ “ size flat iron of approved design including painting 3 coats etc complete (weight not to be less than 3/7 lbs/sq foot of finished grill) (G.S.I.NO.26 P/92)	30.0 Sft	@Rs: 180/50 P%Sft		<u>Rs: 5415/-</u>
TOTAL					Rs: 220606/-

GROUP ‘D’ COMPOUND WALL

1.	Excavation in foundation in building bridges and other structure i/c day belling dressing refilling around structure with excavated earth watering and ramming lead up to one chain (In ordinary soil)(GSINO.18(b)P/4)	3975.0 Cft	@Rs: 3176/25 P%oCft		Rs: 12626/-
2.	C.C. brick or stone ballast 1 ½” to 2” gauge.(GSINO.4(b)P-114)(1:4:8)	994.0 Cft	@Rs: 9416/28 P%Cft		Rs: 93598/-
3.	Erection & removal of centering for RCC or plain c.c. work of portal wood (vertical)(GSINO.19 (B-2) P-19)	7878.0 Sft	@Rs: 3127/41 P%Sft		Rs: 246377/-
4.	Cement concrete plain including placing compacting finishing and curing, complete (i/c screening and washing of stone aggregate without shuttering (GSI No5 P/16) R:1:3:6)	3939.0 Cft	@Rs: 12595/- P%Cft		Rs: 496117/-
5.	Pacca brick work in other than building in cement sand mortar (1:6)(GSINO.7(d)P-22)	2171.0 Cft	@Rs: 12346/65 P%Cft		Rs: 268046/-
6.	Cement plaster 1:4 up to 20’ height ½” thick R(1:4)(GSINO.11(b) P-51)	15587.0 Sft	@Rs: 2283/93 P%Sft		Rs: 355996/-
7.	Making and fixing steel grated door with 1/16”thick sheeting i/c angle iron frame 2x2x3/8”and ¾” sq: bas 4”center to center with locking arrangement (GSINO.24P/97)	72.0 Sft	@Rs: 726/72 P.Sft		Rs: 52324/-

S.#	Item	Qty	Rate	Unit	Amount
8.	Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms moulds, lifting, shuttering curing rendering and finishing the exposed surface)\(including screening and washing of shingle)(a)R.C. Work in roof slab, beams, columns, rafts, lintels and other structural members laid in situ or precast laid in position complete in all respect(i)Ratio 1:2:4)90 lbs cement 2 cft sand 4 cft shingle 1/8" to 1/4" guage.(G.S.I.NO;6(a)P/16)	56.0 Cft	@Rs: 337/-	P.Cft	Rs: 18872/-
9.	Fabrication of mild steel reinforcement for cement concrete including cutting bending laying in position making joints and fastenings including cost of binding wire (also includes removal of rust from bars(G.S.I.NO.8(b)P/16)	2.25 Cwt	@Rs: 5001/70	P.Cwt	Rs: 11254/-
10.	Painting new surface preparing surface painting doors and window of any type i/c Edge(GSINO.5(C)P/68)	144.0 Sft	@Rs: 2116/41	P%Sft	Rs: 3048/-
11.	White Wash One Coats (GSINO.26(A)P/53)	15587.0 Sft	@Rs: 416/63	P%Sft	Rs: 64940/-
12.	Distempering (Three Coat)(GSINO.24 (C) P-54)	15587.0 Sft	@Rs: 1043/90	P%Sft	<u>Rs: 162713/-</u>
TOTAL					Rs: 1785911/-

GROUP 'E' STAFF QUARTER

1.	Dismantling c.c. reinforced separating reinforcement from concrete cleaning and straightening the same. (GSINO.20 P-10)	187.00 Cft	@Rs: 5445/-	P%oCft	Rs: 10182/-
2.	Dismantling brick work in lime or cement mortar. (GSINO.13 P-10)	464.0 Cft	@Rs: 1285/63	P%Cft	Rs: 5965/-
3.	Dismantling c.c. Plain 1:3:6. (GSINO. 19(b)P-10)	146.0 Cft	@Rs: 1306/80	P%Cft	Rs: 1908/-
4.	Excavation in foundation in building bridges and other structure i/c day belling dressing refilling around structure with excavated earth watering and ramming lead up to one chain (In ordinary soil)(GSINO.18(b)P/4)	317.00 Cft	@Rs: 3176/25	P%ocft	Rs: 1007/-
5.	Cement Concrete brick or stone ballast 1 1/2 to 2 gauge (GSINO.4 P/14)(1:4:8)	163.00 Cft	@Rs: 9416/28	P%cft	Rs: 15349/-
6.	Erection and removal of centering for RCC or plain cement concrete works of deodar wood (2 nd class) (GSINO.19(a-II)P/19)	381.0 Sft	@Rs: 3127/41	P%Sft	Rs: 11915/-
7.	Cement Concrete plain including placing compacting finishing and curing complete (including screening and washing at stone aggregate without (GSINO.5(h))P/16) 1:3:6	241.0 Cft	@Rs: 12595/-	P%cft	Rs: 30354/-

S.#	Item	Qty	Rate	Unit	Amount
8.	Pacca Brick work in ground floor i/c striking of joint cement sand mortar(1:6) (G.S.I.NO.5 (e)P/20)	474.00 Cft	@Rs: 12674/36 P%	Cft	Rs: 60076/-
9.	Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms moulds, lifting, shuttering curing rendering and finishing the exposed surface)\(including screening and washing of shingle)(a)R.C. Work in roof slab, beams, columns, rafts, lintels and other structural members laid in situ or precast laid in position complete in all respect(i)Ratio 1:2:4)90 lbs cement 2 cft sand 4 cft shingle 1/8" to 1/4" guage.(G.S.I.NO.6(a)P/16)	187.0 Cft	@Rs: 337/- P.Cft	P.Cft	Rs: 63019/-
10.	Fabrication of mild steel reinforcement for cement concrete i/c cutting bending. laying in position making joints and fastenings i/c cost of binding wire (also includes removal of rust from bars.)(GSI No.8 (b) P/16)	7.51 cwt	@Rs: 5001/70 P.cwt	P.cwt	Rs: 37563/-
11.	Making and fixing steel grated doors with 1/16" hick sheeting i/c angle iron from 2"x2" 3/8 and 3/4 sq bars 4" centre to centre with locking arrangement (G.S.I.NO.24 P/91)	22.75 Sft	@Rs: 726/72 P.Sft	P.Sft	Rs: 16533/-
12.	S/Fixing in position iron steel grill of 3/4"x1/4" size flat iron of approved design i/c painting 3 coats etc: complete(weight not less than 3.7 lbs/sq.foot of finished grill.(GSINO.26 P-92)	36.0 Sft	@Rs: 180/50 P.Sft	P.Sft	Rs: 6498/-
13.	Cement Plaster 1:4 upto 20"high 1/2 thick (G.S.I.NO;11(b)P/51)	1346.0 Sft	@Rs: 2283/93 P%Sft	P%Sft	Rs: 30742/-
14.	Providing and Laying 2" thick topping c.c.1:2:4 i/c surface finishing and dividing into panels.(GSINO.16(d)P-41)	238.0 Sft	@Rs: 3275/50 P%Sft	P%Sft	Rs: 7796/-
15.	Providing and fixing ornamental cement jail 2" thick 1:2:4 out steel. (GSINO. 1 P-17)	30.0 Sft	@Rs: 226/02 P.Sft	P.Sft	Rs: 6781/-
16.	Painting new surface preparing surface and painting doors and window of any type i/c edge. (G.S.I.NO.5(c) P/70)	45.50 Sft	@Rs: 2116/40 P%Sft	P%Sft	Rs: 963/-
17.	Colour wash 2 Coat.(G.S.I.NO.25 P/53)	1431.0 Sft	@Rs: 859/90 P%Sft	P%Sft	Rs: 12305/-
18.	White wash 2 Coat (G.S.I.NO.26 P/53)	238.0 Sft	@Rs: 829/95 P%Sft	P%Sft	Rs: 1975/-
19.	Fabrication of heavy steel work with angles, tees flat iron, iron and sheet iron for making trusses, girder, tank etc: i/c cutting riveting, handling assembling and fixing but i/c erection in position. (GSINO. 2 P-96)	3.05 Cwt	@Rs: 4928/49 P.Cwt	P.Cwt	Rs: 15032/-

S.#	Item	Qty	Rate	Unit	Amount
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20. Erection and fitting in position of iron trusses staging of water tank etc: (GSINO.2 P-96)

3.05 Cwt @Rs: 271/06 P.Cwt Rs: 827/-

Total Rs: 336790/-

GROUP 'F' SUMP WELL @ INTAKE WORK

1. Excavation for tanks and reservoirs in soft soil i/c trimming and dressing sides to true alignment design section/profiles and shape leveling of beds of trenches to correct level and grade i/c laying of earth in 6" layers for construction of banks and dressing and disposal of surplus earth excavated earth within one chain as directed by Engineer in charge i/c providing fence guards lights flags where ever required lift upto 5'ft and lead upto one chain(P.H.S.I.NO. 1 P/67)

142.0 Cft @Rs: 3000/- P%oCft Rs: 426/-

2. Excavation for tanks and reservoirs in wet soil i/c trimming and dressing sides to true alignment design section/profiles and shape leveling of beds of trenches to correct level and grade i/c laying of earth in 6" layers for construction of banks and dressing and disposal of surplus excavated earth within one chain as directed by Engineer in charge i/c providing fence guards lights flags where ever required lift upto 5'ft and lead upto one chain(P.H.S.I.NO. 14 P/52)

213.0 Cft @Rs: 4800/- P%oCft Rs: 1022/-

3. Excavation for tanks and reservoirs in slushy or daldaly soil i/c trimming and dressing sides to true alignment design section/profiles and shape leveling of beds of trenches to correct level and grade i/c laying of earth in 6" layers for construction of banks and dressing and disposal of surplus excavated earth within one chain as directed by Engineer in charge i/c providing fence guards lights flags where ever required lift upto 5'ft and lead upto one chain(P.H.S.I.NO. 15 P/74)

354.0 Cft @Rs: 7200/- P%oCft Rs: 2549/-

4. C.C. Brick or stone ballast 1 1/2" to 2" guage.(1:4:8)(GSINO.4 P-15)

35.00 Rft @Rs: 9416/28 P%Cft Rs: 3296/-

5. Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms moulds, lifting, shuttering curing rendering and finishing the exposed surface)\(including screening and washing of shingle)(a)R.C. Work in roof slab, beams, columns, rafts, lintels and other structural members laid in situ or precast laid in position complete in all respect(i)Ratio 1:2:4)90 lbs cement 2 cft sand 4 cft shingle 1/8" to 1/4" guage.(G.S.I.NO.6(a)P/16)

181.0 Cft @Rs: 337/- P.Cft Rs: 60997/-

6. Fabrication of mild steel reinforcement for cement concrete i/c cutting bending. laying in position making joints and fastenings i/c cost of binding wire (also includes removal of rust from bars.)(GSI No7(ii) P/20)

7.30 cwt @Rs: 5001/70 P.cwt Rs: 36513/-

Total Rs: 104803/-

GROUP 'G' C.C. BLOCK

1. C.C. Brick or stone ballast 1 1/2" to 2" guage. (GSINO.4(b)P15)(1:4:8)

4686.0 Cft @Rs: 9416/28 P%Cft Rs: 441247/-

2. Erection and removal of centering for RCC or plain c.c. work of deodar wood (2nd class)(vertical)(GSINO. 18(b)P-19)

1850.0 Sft @Rs: 3127/41 P%Sft Rs: 57857/-

S.#	Item	Qty	Rate	Unit	Amount
2.	C.C. Plain i/c placing compacting finishing and curing complete (i/c screening and washing of stone aggregate)(without shuttering)(GSINO.5 P-16)1:2:4	15325.0 Cft	@Rs: 14429/25 P% Cft		Rs: 2211283/-
				Total	Rs: 2710387/-

GROUP 'H' POLYETHELENE (P.E.) RISING MAIN 6" DIA

1.	Dismantling & Road metalling. (GSINO.51 P-13)	450.0 Cft	@Rs: 605/- P% Cft		Rs; 2723/-
2.	Excavation for pipe lines into trenches and pits in soft soil i/c trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade cutting joint holes and disposal of surplus earth within a one chain as directed by Engineer in charge providing fence guards lights flags and temporary crossing for non vehicular traffic where ever required lift upto 5'ft(1.52m) and lead upto one chain (30.5mm)(P.H.S.I.NO. 1 P/46)	54675.0 Cft	@Rs: 3600/- P%ocft		Rs: 196830/-
3.	Providing, Laying & Fixing in trenches i/c fitting, jointing & testing etc: complete in all respect the high Density Polyethylene P.E. pipes (HDPE-100) for W/S confirming ISO 4427/DIN8074/8075 B.S. 3580 & PSI 3051.(PHSINO.1(k)P-25)	7000.0 Rft	@Rs: 440/- P.Rft		Rs: 3080000/-
4.	High density polyethylene (PE-100)fitting per each.(Equivalent make)(SMINO. ix P-18)	7.0 Nos	@Rs: 3480/- Each		Rs: 24360/-
ii.	Equal Tee(Outer dia)(SMINO.13 P-20)	2.0 Nos	@Rs: 4175/- Each		Rs: 8350/-
5.	Air valve double acting (Local)(SMINO.8 (b)P-12)	3 Nos	@Rs: 4000/- Each		Rs: 12000/-
6"	dia				
6.	C.I. sluice Valve heavy pattern (Test Pressure 21.0 kg/sq.com or 300 lb/sq-inch)(Imported)(SMINO. 2(b)P-11)	3 Nos	@Rs: 9360/- Each		Rs: 28080/-
7.	Fire Hydrant (Screwed outlets)(SMINO.7(C) P-17)	3 Nos	@Rs: 1375/- Each		Rs: 4125/-
8.	Special cast iron fitting for PVC pipes. (SMINO.1 P-16)				
i.	Tail Piece 6" dia	6 Nos	@Rs: 618/75 Each		Rs: 3713/-
9.	But fusion joint.(SMINO. H P-20)	11.0 Nos	@Rs: 1000/- Each		Rs: 11000/-
10.	Jointing C.I/M..S. flanged pipe and specials flanged and inside a trenches i/c supplying rubber packing of the required thickness nuts bolts with washers etc: and other tools required for jointing and testing the joint to the specified pressure etc: complete.(PHSINO.1(d) P-40)	6.0 Joint	@Rs: 938/- P.Joint		Rs: 5628/-
6"	dia				

S.#	Item	Qty	Rate	Unit	Amount
11.	Providing chamber 21/2x2 1/2 (750x750' mm) inside dia mansion 4 1/2'(1372mm) Deep as per approved design for sluice valve 3''to 12''dia with 18''(457mm)dia inside cost iron cover and frame (wt=1 Cwt 3 qr)fixed in RCC 1:2:4 (102 mm)thick (with 5 lbs steel per cft)9''(299mm)thick brick masonry walls set in 1:6 cement mortar 6''(1152mm)thick c.c 1:3:6 in foundation 1(25mm)thick c.c 1:2:4 flooring 1/2'' (12.5mm)thick cement plaster 1:3 to all inside wall surface and top i/c providing and fixing M.S foot beyond 2 1/2''ft depth curing excavation back filling and disposal of surplus earth etc :complete(PHSINO.1P/49)	6.0 Nos	@Rs: 18820/-	Each	Rs: 112920/-
12.	Refilling the excavated stuff in trenches 6'' thick layers i/c watering ramming to full compaction etc: complete.(PHSINO.24 P-65)	49208.0 Cft	@Rs: 2760/-	P%oCft	Rs: 135814/-
					Total Rs: 3625543/-

GROUP 'I' CONSTT OF STORAGE TANK (3 NOS)

1.	Excavation for tanks and reservoirs in soft soil i/c trimming and dressing sides to true alignment design section/profiles and shape leveling of beds of trenches to correct level and grade i/c laying of earth in 6'' layers for construction of banks and dressing and disposal of surplus excavated earth within one chain as directed by Engineer in charge i/c providing fence guards lights flags where ever required lift upto 5'ft and lead upto one chain(P.H.S.I.NO. 1 P/67)	157.0 Cft	@Rs: 3000/-	P%oCft	Rs: 471/-
2.	Excavation for tanks and reservoirs in wet soil i/c trimming and dressing sides to true alignment design section/profiles and shape leveling of beds of trenches to correct level and grade i/c laying of earth in 6'' layers for construction of banks and dressing and disposal of surplus excavated earth within one chain as directed by Engineer in charge i/c providing fence guards lights flags where ever required lift upto 5'ft and lead upto one chain(P.H.S.I.NO. 14 P/52)	236.0 Cft	@Rs: 4800/-	P%oCft	Rs: 1133/-
3.	Excavation for tanks and reservoirs in slushy or daldaly soil i/c trimming and dressing sides to true alignment design section/profiles and shape leveling of beds of trenches to correct level and grade i/c laying of earth in 6'' layers for construction of banks and dressing and disposal of surplus excavated earth within one chain as directed by Engineer in charge i/c providing fence guards lights flags where ever required lift upto 5'ft and lead upto one chain(P.H.S.I.NO. 15 P/74)	1679.0 Cft	@Rs: 7750/-	P%oCft	Rs: 13012/-
4.	Excavation in foundation in building bridges and other structure i/c day belling dressing refilling around structure with excavated earth watering and ramming lead up to one chain (In ordinary soil)(GSINO.18(b)P/4)	1107.00 Cft	@Rs: 3176/25	P%ocft	Rs: 3516/-
5.	Earth work compaction (sot ordinary or hard soil)(a) laying earth in 6'' layers leveling and dressing complete. (GSINO.13 (b)P-3)	17154.0 Cft	@Rs: 354/-	P%oCft	Rs: 6073/-
6.	Earth work excavation in aches, sand, soft soil or silt clearance undressed lead up to 50 ft: (a) ordinary soil(GsINO.1 P-1)	84488.0 Cft	@Rs: 1663/75	P%oCft	Rs: 140567/-
7.	Earth for wet earth work. (GSINO.15 P-3)	84488.0 Cft	@Rs: 1058/75	P%oCft	Rs: 89452/-

S.#	Item	Qty	Rate	Unit	Amount
8.	Hire charges of pumping set of upto 10 HP pumping out water from 10 ft: deep trenches.(HSINo.23 (iv)P-77)	10.0 Days	@Rs: 1000/-	P.Days	Rs: 10000/-
9.	Carriage of 100cft/5 tons of all materials like stone aggregate, spawl, coal, lime, Surkhi etc: B.G Rail fastenings points and crossing bridges, Girders, pipe, Sheets Rails M.S Bars etc. or 1000 Nos 10"x5"x3" or 1000 Nos tiles 12"x6"x2" or 150 cft Of timber or 100 mounds of fuel wood by trucks or any other means owned by the Contractor.(SSINO.1 P/1)(Lead 1 miles)	84488.0 Cft	@Rs: 407/-	P%Cft	Rs: 343866/-
10.	Barrow pit excavation undressed lead upto 100' ft: in ordinary soil.(GSINO.3 P-1)	17154.0 Cft	@Rs: 2117/50	P%oCft	Rs: 36324/-
11.	C.C. brick or stone ballast ½" 2" guage 1:4:8.(GsINO.4 (b)P-17)	6087 Cft	@Rs: 9416/28	P%Cft	Rs: 573169/-
12.	Cement concrete plain including placing compacting finishing and curing, complete (i/c screening and washing of stone aggregate without shuttering (GSI No5 P/18)				
R: 1:4:8		8994.0 Cft	@Rs: 11288/75	P%Cft	Rs: 1015310/-
R: 1:3:6		2819.0 Cft	@Rs: 12595/-	P%Cft	Rs: 355053/-
R: 1:2:4		6019.0 Cft	@Rs: 14429/25	P%Cft	Rs: 868497/-
13.	Erection and removal of centering for R.C.C. or plain cement concrete works of deodar wood (2 nd Class)(G.S.I.No:19 v(ii) P/18)	8038.0 Sft	@Rs: 3127/41	P%Sft	Rs: 251381/-
14.	Brick Lining (9"x4 ½"x3")in 1:3 cement sand mortar.(GSINO.9(b)P-74)	9470.0 Cft	@Rs: 14204/44	P%Sft	Rs: 1345160/-
15.	Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms moulds, lifting, shuttering curing rendering and finishing the exposed surface)\(including screening and washing of shingle)(a)R.C. Work in roof slab, beams, columns, rafts, lintels and other structural members laid in situ or precast laid in position complete in all respect(i)Ratio 1:2:4)90 lbs cement 2 cft sand 4 cft shingle 1/8" to ¼" guage.(G.S.I.NO;6(a)(i)P/15)	181.0 Cft	@Rs: 337/-	P.Cft	Rs: 60997/-
16.	Fabrication of mild steel reinforcement for cement concrete including cutting bending laying in position making joints and fastenings including cost of binding wire (also includes removal of rust from bars)(G.S.I.NO.8(b)P/16)	7.27 Cwt	@Rs: 5001/70	P.Cwt	<u>Rs: 36362/-</u>

Total Rs: 5150343/-

S.#	Item	Qty	Rate	Unit	Amount
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GROUP 'J' PUMPING MACHINERY

1. Supplying and installing in position to site of work at pangrio A.C Electric pumping set consisting of A.C electric motor of type 40 BHP 2900 RPM 1LG4-200L 60 coupled with KSB pump (ETA 80-200) size 4"x3" mounted on common steel frame or base plate capable of discharging 450 gallons minute against a head of 150 ft i/c installation of pumping set on c.c foundation ratio (1:2:4) and ratio (1:4:8) with ballast with M.S nuts and bolts of 5/8" dia to be embedded in c.c foundation i/c providing and fixing on prepared board A.C 50 cycles 3 phase 12/25 ampere trips rating push button type star delta starter complete with no volts and over lead release and required i/c providing and fixing on prepared board iron (clad) triple pole and neutral switch fuse with rewirable type fuse link carried 500 volts grade 30 ampere providing and fixing Metalled board to accommodate main or sub mains control switch's recessed in the wall size 3"x2½" i/c providing phase indication bulbs with holder and providing internal electric wiring for mains with 12A plate size (1 ½ x2) G.I plate curried and to ground at depth 7ft for base plate and testing of the pumping set against the required head for 72 hours etc complete (For Water Works)

2.0 Set	@Rs: 580000/- P.Set	Rs: 1160000/-
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2. Supplying and installing in position i/c transportation to site of work at pangrio A.C electric pumping set consisting of A.C electric motor of type 20 BHP 1450 RPM 160L 60 coupled with KSB pump (ETA 100-315)size 5"x4 ½" mounted on common steel frame or base plate capable of discharging 300 gallon minute against a head of 110 ft i/c installation of pumping set on c.c foundation ratio (1:2:4) and Ratio (1:4:8)with ballast with M.S nuts and bolts of 5/8"dia to be embedded in c.c foundation i/c providing and fixing on prepared board A.C cycles 3 phase 12/25 ampere trips rating push button type star delta starter complete with no volts and over lead release and required i/c providing and fixing on prepared board iron (clad) triple pole and neutral switch fuse with rewirable type fuse link carried 500 volts grade 30 ampere providing and fixing volts meter 0.500 volts and ampere meter 0.50 ampere installed on metaled board i/c providing and fixing metalled board to accommodated main or sub mains control switch's recessed in the wall size 3"x2"1/2" i/c providing phase indication bulbs with holder and providing internal electric Electric wiring for mains with 12A plate size (1 ½ x2) G.I plate curried and to ground at depth 7ft for base plate and testing of the pumping set against the required head for 72 hours etc complete. (For Water Works)

2.0 Sets	@Rs: 529790/- P.Set	Rs: 1059580/-
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3. Manufacturing and installing M.S pipe made out of M.S lead 3/16" thick bending folding to correct curvature and shape i/c melding complete (R.A Approved Based on schedule)

6"	57.0 Rft	@Rs: 749/34 P.Rft	Rs: 42712/-
4"	58.0 Rft	@Rs: 506/60 P.Rft	Rs: 29383/-

4. Manufacturing and installing with welding M.S flanged made out of M.S sheet 4/8" thick i/c cutting drilling holes etc complete (R.A. Approved Based on Schedule)

6"Dia	14.0 Nos	@Rs: 804/77 Each	Rs: 11267/-
4"Dia	14.0 Nos	@Rs: 596/75 Each	Rs: 8355/-

5. C.I. Sluice valve heavy pattern (Test pressure)21.0 kg/sq.com or 300lb/sq.inch)(imported)(SMINO..2(b)P-12)

3"dia	2 Nos	@Rs: 4290/- Each	Rs: 8580/-
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S.#	Item	Qty	Rate	Unit	Amount
	4"dia	2 Nos	@Rs: 5460/-	Each	Rs: 10920/-
6.	Reflex valve heavy pattern (Test pressure 21 kg/sq.cm or 300 lbs/sq.inch)(imported)(SMINO.6(a)P-12)				
	3"dia	2 Nos	@Rs: 1543/75	Each	Rs: 3088/-
	4"dia	2 Nos	@Rs: 1706/25	Each	Rs: 3413/-
7.	Foot valve heavy pattern with cone type gate.(imported)(SMINO. 4(a)P-12)				
	6"dia	2 Nos	@Rs: 1381/25	Each	Rs: 2763/-
	4"dia	2 Nos	@Rs: 893/75	Each	Rs: 1788/-
8.	C.I Tappers flat bottomed or central tapered flanged end with holes i/c turning and facing of flanged for all sizes (SMI NO 9 P/12)				
		0.97 Cwt	@Rs: 6096/-	P.Cwt	Rs: 5913/-
9.	C.I.Bend with flanged end with holes i/c turning and facing of flanges for all sizes. (SMINO. 8 P-12)				
		2.29 Cwt	@Rs: 6096/-	P.Cwt	Rs: 13960/-
10.	C.I. Tee flanged end with holes including turning and facing of flanged for all size. (SMINO.12 P-12)				
		0.63 Cwt	@Rs: 6096/-	P.Cwt	Rs: 3840/-
11.	Jointing C.I/M.S. flanged pipes and specials flanged and inside a trenches i/c supplying rubber packing of the required thickness nuts, bolts with washers etc: and other tools required for jointing and testing the joints to the specified pressure etc: complete.(PHSINO. N-1 P-40)				
	6"	16.0 Joint	@Rs: 938/-	P.Joint	Rs: 15008/-
	4"	24.0 Joint	@Rs: 513/-	P.Joint	Rs: 12312/-
	3"	8.0 Joint	@Rs: 499/-	P.Joint	Rs: 3992/-
12.	Providing and laying (main or sub main) pvc casolated with sine 4-3/036(ESI NO.37 P/5)				
		61.0 Meter	@Rs: 290/-	P.Meter	Rs: 17690/-
					Total Rs: 2414564/-

CONDITION

1. Any error omission in description of item Qty: and unit will be governed by relevant schedule of rates & relevant rate analysis.
2. The Decision of the Superintending Engineer, PHE Circle Hyderabad will be final & binding on all parties in any shape.
3. The rate should be inclusive of all taxes.
4. No. Separate carriage will be paid.
5. No. Premium will be allowed on non schedule item.

CONTRACTOR

**EXECUTIVE ENGINEER
PUBLIC HEALTH ENGG:DIVN NO I
HYDERABAD**

**DETAILED WORKING ESTIMATE FOR ANNUAL OPERATION AND
MAINTENANCE COST OF RURAL WATER SUPPLY SCHEME MASU
BHURGARI TALUKA HYDERABAD (RURAL) DISTRICT HYDERABAD**

**ABSTRACT OF COST
(OPERATION & MAINTENANCE)**

(A)	ESTABLISHMENT	RS: 168000/-
(B)	ELECTRICAL & MECHANICAL CHARGES	RS: 538120/-
(C)	ANNUAL MAINTENANCE & REPAIR CHARGES	RS: 359857/-
	TOTAL	RS: 1065977/-
	ADD: 2% CONTINGENCIES	RS: 21320/-
	TOTAL	RS: 1087297/-

Total Cost for O/M of the scheme for One year Rs: 1087297/-

ASSISTANT ENGINEER
PUBLIC HEALTH ENGG:S/DIVISION
QASIMABAD

EXECUTIVE ENGINEER
PUBLIC HEALTH ENGG:DIVISION I
HYDERABAD

**DETAILED WORKING ESTIMATE FOR ANNUAL OPERATION AND
MAINTENANCE COST OF RURAL WATER SUPPLY SCHEME MASU
BHURGARI TALUKA HYDERABAD (RURAL) DISTRICT HYDERABAD**

(A) ESTABLISHMENT

1.	Pump Operator.	1x12.0	= 12.0 Months		
	12 Months	@Rs: 7000/-	P.Months		Rs: 84000/-
2.	Chowkidar/Helper.	1x12.0	= 12.0 Months		
	12 Months	@Rs: 7000/-	P.Months		<u>Rs: 84000/-</u>
				Total	Rs: 168000/-

(B) ELECTRICAL & MECHANICAL CHARGES

i.	<u>Electric Charges</u>				
		1x30x0.746x2x365	= 16337.40 Units		
		1x15x0.746x2x365	= <u>8168.70 Units</u>		
			= 24506.10 Units		
	24506.0 Units	@Rs: 20/-	P. Units		Rs: 490120/-
ii.	Provision for Lubricant such as Grease, Cotton, Waste and oil etc:				
		2x12.0	= 24.0 Months		
	24.0 Months	@Rs: 2000/-	P.M.		<u>Rs: 48000/-</u>
				Total	Rs: 538120/-

(C) ANNUAL MAINTENANCE & REPAIR CHARGES

6 2/3 i.e capital cost of Pumping Machinery					
	<u>2320802x20</u>				Rs: 154720/-
	100x3				

(D) RAW WATER CHARGES

<u>108540x11.26x365</u>	Rs: 7137/-
6.25x10000	

(E) DISINFACTION

Assuming a dose of 1 PPM of chlorine & equivalent to 3 PPM of bleaching powder.(Rate Approved by C.E)

Qty of bleaching	<u>108540x10x4x365</u>	= 132.05 Cwt			
	1000000x12				
132.00 Cwt	@Rs: 1500/-	P.Cwt			<u>Rs: 198000/-</u>
				Total	Rs: 359857/-

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