GOVERNMENT OF RAJASTHAN

DATE OF SALE :- 16.11.2015
DATE OF OPENING:- 17.11.2015

PUBLIC HEALTH ENGINEERING DEPARTMENT (PHED)

JODHPUR DISTRICT
TEHSIL : PHALODI

| Name of Work :- Operation and Maintenance for Three Year 500 mm to 100 mm AC CL-15/10 Rising mains from off take point RGLC RD 81 to Khichan H/w’s IPS Denok-Aau- H/w’s under Regional Water Supply Scheme Aau-Moriya-Champasar originating from RGLC RD 81 Km Off take point. |
| Envelope –A Eligibility Bid |
| NIT NO  30/2015-16 |
| COST OF WORK  19.50 LACS |

| Issue to : | M/s – |
| C.R. No. - .......................... Dated ....................... | E.M. Rs. 39000/- Tender Fees :- 500/- |

EXECUTIVE ENGINEER
PHED DISTRICT DIVISION, PHALODI

Signature of cashier
PUBLIC HEALTH ENGINEERING DEPARTEMENT

TENDER DOCUMENT

FOR

Operation and Maintenance for Three Year 500 mm to 100 mm AC CL-15/10 Rising mains from off take point RGLC RD 81 to Khichan H/w’s IPS Denok-Aau- H/w’s under Regional Water Supply Scheme Aau-Moriya-Champasar originating from RGLC RD 81 Km Off take point.

TEHSIL PHALODI

DISTRICT – JODHPUR (RAJASTHAN)
OFFICE OF THE EXECUTIVE ENGINEER PHED
DISTT. DIV. PHALODI

Name of Work: - Operation and Maintenance for Three Year 500 mm to 100 mm AC CL-15/10 Rising mains from off take point RGLC RD 81 to Khichan H/w’s IPS Denok-Aau- H/w’s under Regional Water Supply Scheme Aau-Moriya-Champasar originating from RGLC RD 81 Km Off take point.

PART – A

ELIGIBILITY : The contractor have an experience for laying & jointing / O & M of pipe line of minimum size 300 mm dia and above sizes. The necessary certificate should be signed by not below the rank of Executive Engineer or equivalent

Submission of Tender :- Tender is to be submitted in two envelopes

Envelope –A - Eligibility Bid
Envelope – B - Price Bid

The envelope to shall be opened of those tenders who shall be found successful in the eligibility criteria.

(enclosed with this tender)

Signature of contractor

Executive Engineer
PHED Distt. Div.
Phalodi
OFFICE OF THE EXECUTIVE ENGINEER
PHED DISTRICT DIVISION PHALODI

Public Health Engineering Department

Name of Work: - Operation and Maintenance for Three Year 500 mm to 100 mm AC CL-15/10 Rising mains from off take point RGLC RD 81 to Khichan H/w’s IPS Denok-Aau- H/w’s under Regional Water Supply Scheme Aau-Moriya-Champasar originating from RGLC RD 81 Km Off take point.

NIT No. :- EE Phalodi / 30/2015-16

Issued to :- M/s ..............................................................................

1. Estimated Cost : - Rs. 19.50 Lacs
2. Tender Fee :- Rs 500.00
3. Earnest Money :- Rs 39000.00
4. Last Date and Time of selling tender :- 16-11-2015
5. Last Date and Time of receiving tender :- 17-11-2015
6. Date of opening of tender :- 17-11-2015
7. Place & Address of receiving & Opening of tenders :- Office of the Executive Engineer PHED District Division Phalodi Pin – 342301 Telephone No: - 02925-223448
8. Validity of the tender :- 70 Days from the date of opening tender
9. Period of Contract :- Three Year s from award of contract from the date of take over.

Signature of contractor

Executive Engineer
PHED Distt. Div.
Phalodi
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Signature of contractor

Executive Engineer  
PHED Distt. Div.  
Phalodi
UNIT – “A”

MAIN FEATURES OF THE HEAD WORKS,
AND
RISING MAINS
UNIT – A
MAIN FEATURES OF THE HEAD WORKS, & RISING MAINS

1.0 BRIEF DESCRIPTION OF THE REGIONAL WATER SUPPLY PROJECT

Regional water supply Project RGLC RD 81 Km – Moriya – Aau – Champasar is a Project for providing potable water to salinity affected 20 nos. villages & 118 nos. OH of Tehsil Phalodi of Jodhpur District.

All the 21 villages are covered by one regional water supply schemes named as Reg. Water Supply Scheme Moriya-Aau-Champasar with four stage pumping from Off Take point RGLC RD 81 Km.

The raw water shall be pumped from Off Take point RGLC RD 81 by gravity to filter plant at Khichan H/w’s / raw water reservoir (Diggi) at Khichan through pipe line of 7.7 Km long, 400 mm to 350 mm dia AC/DI Pipe line. The treated water from khichan shall further be pumped to cover the village s through various size AC Pipe Lines.

2.0 DETAILS OF HEAD WORKS & RISING MAINS

From Khichan head work, water shall be pumped to IPS Denok and further to Aau head works through 500 mm AC Cl-15/10 pipe lines. The head works Khichan is about 5 Km from Phalodi and Aau head works is about 45 Km further ahead of Khichan H/w’s. Both pumping stations are connected by B/T road.

DETAILS OF PIPE LINE OF SIZE 500 MM TO 100 MM AC CL-15/10.
(a) Reach : -

i. Off take point RGLC RD 81 to Khichan H/w’s  400 mm AC CI-15  5.000  350 mm AC CL-10  2.700
ii. Khichan H/w’s to S.S. Nagar  500 mm AC CL-15  12.800
iii. S.S. Nagar to Palina (IP)  450 mm AC CL-15  2.500  450 mm AC CL-10  2.150
iv. Palina (IP) to Moriya (IP)  450 mm AC CL-10  5.250
v. Moriya IP to Denok  450 mm AC CL-10  9.800
vi. Denok to Aau  450 mm AC CL-10  14.000
vii. S.S. Nagar to Dholasar  100 mm AC CL-10  4.000
(b) Length : - 63.2 Km.
(c) Type of material: - AC / CL- 10 / 15
(d) Internal dia of pipe : - 500 mm to 100 mm
(e) Class of pipe : - 7.5 Kg per Cm$^2$ (Working pressure)
(f) Length of Pipe : - Each 5.0 Mtr.
(g) Type of joints: - C.I. Detachable joints (with rubber rings and nuts & bolts)
(h) No. of MS/CI bends : - Laid & AC couples As per site
(i) No. of RCC thrust blocks: Laid as per site
(j) Air valves: - Laid as per site
(k) Scour valves: - Laid as per site
(l) Air pipe :-
(m) Sluice Valves : - Laid as per site.
(n) Original work done by : - M/s Devendar Construction & Co. Jodhpur and other firms

**SUMMARY**

Source : Off Take Point RGLC RD 81 KM (CANAL WATER)
Main Pumping Station : Khichan & Denok H/w’s
Rising main : 500 mm to 100 mm AC Ci-10/15 pipe lines form off take point RGLC RD 81 to Khichan H/w’s IPS Denok-Aau H/w’s and for village Dholasar, Palina and Moriya

I.P.S : Khichan H/w’s and denok H/w’s

Signature of contractor

Executive Engineer
PHED Distt. Div.
Phalodi
## DETAIL OF PIPE LINE
(For O&M Scope of work)
FROM OFFTAKE POINT RGLC RD 81 TO KHICHAN H/W’S IPS
DENOK AND UPTO AAU HEAD WORKS

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<td>Khichan H/w’s to S.S. Nagar</td>
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<td>2.500, 2.150</td>
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<td>Moriya IP to Moriya</td>
<td>100 mm AC CL-10</td>
<td>0.750</td>
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<td>Rising main at Khichan H/w’s to RWR &amp; RWR to Khichan Fitter Plant</td>
<td>500 mm CI, 500 mm AC CL-15, 350 mm AC CL-10</td>
<td>0.200, 0.200, 0.400</td>
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**Total**                                                                                             **63.200**

Signature of contractor

Executive Engineer
PHED Distt. Div.
Phalodi
# DETAILS OF RESIDENTIAL FACILITY & OTHER CIVIL WORKS

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Signature of contractor

Executive Engineer
PHED Distt. Div.
Phalodi
UNIT – ‘B’

NIT & INSTRUCTION TO TENDERERS
## INDEX

### UNIT – B

NIT & INSTRUCTION TO TENDERES

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UNIT – B

INSTRUCTION TO TENDERERS

B-1 INTERPRETATION OF TENDER DOCUMENT:

Any clarification with regard to interpretation or of ambiguities discovered or pointed out after the issue of the tender document but prior to the receipt to tenders, as to the meaning. Conditions or instruction contained in any of the issued documents shall be valid only when such a clarification, is made by the Executive Engineer District Division Phalodi through written instruments singed by him. Any such written clarification or amendment shall be distributed to such intending tenderer who (or his authorized representative) shall acknowledge receipt there of by singing and returning to the issuing office. Addenda and circular letter thus issued (if any) shall form part and partial of the relevant tender documents.

If the stipulations in the various conditions in tender document be found to be at variance in any respect. One will over ride others (but only to the extent these are at a variance) in the order precedence as given below i.e. any particular item in the list will take precedence over all those placed lower down there to in the list.

(i) NIT & Instruction to tenderers (Unit “B”)
(ii) Scope of work (Unit “D”)
(iii) Special conditions of contract (Unit C-II)
(iv) General rules & directions for the guidance of the contractors PWDMF – 107 (Unit C-I)

B-2 EARNEST MONEY (Bid Guarantee):

B-2.1 A participating tenders will have to deposit a sum of
Rs. 39000 as earnest money, in cash / DD.
B-2.2 The earnest money would be returned to the unsuccessful tenderer after taking decision about the award of contract. If the validity period is not extended by tenderer the earnest money can be attached with the tender document. In addition to above, the Tenderer has to sign (or put its initial on Tenderer stamp or seal) on every page of the Tender document including Addenda and circular letters (if any) that may have been issued in terms of the provisions of clause I. I. Hereof.

B-5 PREPARATION OF TENDERS:

B-3.1 The tenderers required to carefully study all the tender documents and prepare the tender to comply with the provisions thereof. Submission of a tender shall be taken as an evidence and confirmation that the tenderers has acknowledged all the provisions of the Tender Document and has fully acquainted himself with site conditions and all factors which may influence the tender. Error in observing instructions in preparing his tender shall be at his own risk and shall not be a ground for securing relief from any discrepancies contained in his tender.

All expenses incurred for site inspection and all activities related to it shall be borne by the tenderer himself.

B-3.2 Tender for the work shall be submitted in the form provided in the tender document and that is completed in accordance with the requirements of the documents. The tender shall be prepared in indelible ink and legibly written. Overwriting should not be done. Corrections should be avoided but if indispensable the portion to be corrected should be scared through under the signature of the tenderer and written a fresh.

All rates and prices shall be written in figures as will as in words. In case of any discrepancy between the two, words shall prevail over the figures.
B-3.3 The Tenderer is to sign at all places indicated in the tender documents and where required the signature is to be dully witnessed. The person signing on behalf on the Tenderer must have legal authority to do so. And the evidence to his effect must be

B-4 BILL OF QUANTITIES:

The bill of quantities is enclosed with the tender document.

B-5 SUBMISSION OF TENDER:

B-5.1 Tenders are to be submitted in sealed envelope and shall consist of the following duly completed and signed by the Tenderer.

(a) Tender document duly completed and signed by the tenderer.
(b) Demand draft or cash challan for requisite earnest money.
(c) Addenda and circular letters (if any) issued by the tender inviting authority signed by the tenderer.
(d) Requisite current certificate with regard to payment of Income tax and Sales tax.
(e) Bill of quantifies with the rates offered by the tenderer, duly signed.

Tender will not be considered unless the above information is provided or if the information is considered unsatisfactory.

B-5.2 Tender shall be received by the Executive Engineer, PHED, District Division Phalodi (Rajas than).

The sealed envelope completed be addressed to the tender receiving authority (as aforesaid) and delivered by hand under proper acknowledgment within the stipulated time. Tender may also be sent by post and it should reach the office of the tender receiving authority within the stipulated date and time. Tenders received after the expiry of the stipulated date and time shall not be considered and returned after expiry of the validity period of the tender. No interest shall however be paid for his amount deposited by the tenderers.
B-5.3 In the event if the successful Tenderer fails to accent the contract and execute the agreement within 10 Calendar days after receiving notice of award of contract, the earnest money submitted will be forfeited.

B-6 WITHDRAWAL OF TENDER:

A tender once submitted shall not be withdraw within the validity period Earnest money of a Tender or who withdraws his tender within this period without prior written permission of the department shall be forfeited.

B-7 OPENING SCRUTINY & EVALUATION OF TENDER:

B-7.1 The tenders received within the stipulated time shall be opened immediately by the tender receiving authority in the presence of such of the Tenderers or their authorized representative as may be present on the occasion. Tenderers or their own interest are advised to be present or be represented at the time of opening of tender.

B-7.2 Contents of the individual tenders shall first be examined at the time of opening of tenders in a general way as to their conformity and agreement with the tendering requirements. The name of Tenderer and the rates and particulars quoted by him shall be recorded by the authority opening the tenders.

B-7.3 Notwithstanding the general examination carried out earlier, the tender receiving authority reserves the right of rejection of any tender, which may found to be defective during the scrutiny

B-7.4 During of operation & maintenance is Three Year s. Contractor is required to quote cost of each year separately However for the evaluation purpose / award of contract. Total cost shall be considered monthly payment to the contractor shall be consider on the yearly each separately quoted by the contractor.
B-8 EFFECT OF TENDER:
The submitted of any tender connected with invitation to tender and instruction of Tenderers shall constitute an agreement that the Tenderer and all have no cause of action or claim against the Department or its officers, employees, successors or assignees for rejection of its tender.

B-9 QUOTATION OF RATES IN PRICE SCHEDULE:

B-9.1 Lump sum rate shall have to be quoted separately for each year of operation & maintenance rising main. The rates are to be quoted only for labour component of the works as specified in the scope of works. Material required for the maintenance (for pipe line only) shall be supplied free of cost by the department. Old material shall invariably be returned by the contractor to the department.

B-10.2 Lump Sump rate shall have to be quoted for Three Year operation & maintenance for pipe line 500 mm to 100 mm AC CI-10 / 15. The rates are to be quoted only for labour component and sundry items as required for completed of work as specified in the scope of work.

B-10.3 Contractor should fully acquaint himself of actual site conditions and assets of the scheme before tendering.

B-10.4 The complete work as defined in the tender document includes maintenance, operation, periodical overhauling of complete scheme and all associated units of water supply scheme. Any associated work, which has not been mentioned here in the tenderer. He should include cost of such work in his offer. The offered rate shall be deemed as inclusive of all such works and items and no extra claim shall be entertained.

Signature of contractor

Executive Engineer
PHED Distt. Div.
Phalodi
UNIT – ‘C-I’

GENERAL RULES & DIRECTIONS FOR
THE GUIDANCE OF CONTRACTOR
(PWDMF 107)
UNIT – ‘C-II’

SPECIAL CONDITIONS OF CONTRACT
INDEX

UNIT – C – II

SPECIAL CONDITIONS OF CONTRACT

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Signature of contractor

Executive Engineer

PHED Distt. Div.

Phalodi
UNIT C-II

SPECIAL CONDITIONS

1. HANDING OVER & TAKING OVER THE SCHEME

The department shall hand over the completed scheme along with all ancillary units in working condition to the contractor. The department reserves the right to recover the losses against handed over properties in case of damage/ theft/ mishandling for securities deposited with the department.

2. INFORMATION & RECORDS:

Contractor shall have to maintain following records. However the Performa for the up keeping of records shall be provided by the department. All records shall be kept in good position. Binded or as required & as instructed by the Engineer-in-Charge.

a) At Khichan & Aau Head works

Pressure of each pipe line etch shall have to be entered on hourly basis. The time of running & close of supply shall be marked in the log book. All entries shall be marked clearly. Operation of valves for taking water in pipe line shall be marked in the log books.

b) Log book at Khichan & Aau Head works :-

One log book shall have to be maintained at each Head works by the contractor. The log book shall contain the information regarding water started/ reached at Head works. Log book shall be available every time with the incumbent of the contractor. This log book shall be verified on monthly basis by the Engineer-in-charge or his representative.
c) Material Consumption Records
Contractor shall have to maintain the stock register for receipt, consumption & balance of the material. Contractor shall have to maintain a Performa showing the work done & material consumed. This Performa shall be numbered & material consumption shall be verified by the representative of Engineer-in-charge after completion of the maintenance work & respective entries shall be made in stock register. Contractor should be very particular about receipt & consumption & MAS account. The stock register shall be verified before submitting the RA Bill.

d) Machinery history sheet Register :
Contractor shall maintain a register of History sheet of all specials installed on pipe line. Contractor shall enter periodical checking, preventative maintenance, break down maintenance, material consumed, old material received back. Contractor shall also enter total break down hours of water supply. History sheet register shall got verified by representative of Engineer-in-charge in a month.

e) Complaint Register:
The contractor shall maintain a complaint register at headwork’s. It should be easily available at pump house, so that any person from the public or any public representative can register his complaint about water supply. Compliance of the complaint shall have to be recorded with date and time.

f) Inspection Register:
The contractor shall maintain an inspection register at headworks. Contractor should produce the register whenever departmental authorities visit the headworks. Compliance of any instructions given by inspecting authority shall
have to be done immediately & remark for the compliance with date & time shall have to be recorded.

**g) Register for Recording Maintenance Work Headworks:**
The contractor shall maintain a register at headwork’s showing details of work done for preventative & repair maintenance. The contractor shall also enter the material consumed for that work.

**h) Other Records:**
The contractor shall have to maintain all other records as directed by the Engineer-in-Charge. The contractor shall provide various information in prescribed performas to be sent to higher authorities on weekly/ fortnightly/ Monthly basis.

### 3. MAINTENANCE OF PIPE LINES & SPECIALS

The contractor shall have to do both preventive & breakdown maintenance of pipe lines of all sizes & types of material. The contractor shall be responsible for patrolling of pipelines, identifying leakage/burst, repairing the chocking (by deploying required labor, T&P etc at earliest possible), and transportation of material for the same from the store located at Khichan or Division from site. Contractor shall made his own arrangement for dewatering of pipe line, means of conveyance for labour etc. Contractor shall be responsible for repair & maintenance of all air valve, sluice valves, scour valves & non-return valves, other specials & appurtenances fixed in pipe line. The contractor shall be responsible for general repair & maintenance of all types of pipes AC 300 mm to 80mm size respectively.

### 4. MATERIAL FOR MAINTENANCE

All material required for maintenance of pipe lines shall be supplied by the department free of cost at store situated at Khichan and Division. Contractor shall
have to make his own arrangement of conveyance, labour etc to transport the material at work site. The contractor is required to submit the requirement of maintenance material for one year period within 15 days of commencement of the work. The material shall be issued on quarterly basis so contractor shall show the requirement on quarterly basis while submitting annual requirement if he feels so necessary but not later than 3 months prior to the expected use. If contractor fails to submit the material requirement 3 months in advance, the department shall not be responsible to manage such material in time & any delay in maintenance due to non-availability of requisite material shall be the responsibility of the contractor & any penalty/ liquidated damages shall be borne by the contractor.

Old/unserviceable material shall have to be deposited by the contractor at Khichan H/w or Divisional store. On completion of contract period, the contractor shall deposit all the balance material at Khichan H/w and Division store. The contractor shall submit the material consumption statement & MAS account monthly or as desired by the Engineer-in-Charge.

In case the material is not available with the department, the contractor shall purchase the spare parts of machinery or other material from the authorized dealers with the prior permission of the Engineer-In-Charge. The payment of such items shall be reimbursed to the contractor on proof of payment to the concerned firm/agency. However on account of overhead charges. Like freight, transits, insurance, profit etc. manufacturer’s price list excluding discount if available (including all taxes) + 10% without RST/CST shall be payable to the contractor.

Spares/Material for which authorized dealer are not available shall be made available as per actual prevailing market rates.

All issued material at headworks or at any other places should be stacked in good & countable position. The contractor shall be fully responsible for security & safety of material in his store & at the time of working.
5. STAFF FOR OPERATION & MAINTENANCE:

The Contractor shall deploy technical experienced person, who will work as an in charge of operation & maintenance of the scheme. The in charge shall be regular touch with Engineer-in-Charge or his representative & he should be fully acquainted with the system. He should be legally authorized & always present at Khichan & Aau H/w., upon whom such notice/instruction given or left with such person shall be deemed good, be served upon the contractor.

The contractor shall employ sufficient number of staff, for the operation and maintenance of the scheme, only such persons who are skilled & experienced in their trades and the Engineer-in-Charges shall be at liberty to object to and ask the contractor to remove form the site any person employed by the contractor for the operation & maintenance of the work, who in the opinion of the Engineer-in-Charge misconduct or is incompetent or negligent, shall not be again employed upon work without permission of the Engineer-in-Charge.

The contractor shall inform about the staff deployed with their qualification, experience, duties & headquarter. The contractor shall inform the details to the Engineer-in-Charge or his representative whenever he appoints or dismisses any employee.

The staff engaged for entire operation & maintenance shall have to be in accordance with rules and regulations laid down by the ministry of labour other amenities, compensation etc shall be paid to workers as per rules and all expenditures on this account shall be the contractors responsibility. The necessary registration under rules shall be mandatory. The compensation due to loss of live/retrenchment shall be borne by the contractor.
6. RESIDENTIAL FACILITIES:
Department have few residential quarters for O & M staff, these may be provided to the contractor on the discretion of the department for contract period as per the prevailing rules in force.

7. TOOLS & PLANTS FOR MAINTENANCE:
The contractor shall have to arrange all tools & plants, dewatering pump set for pipeline, welding machine, gas cutter etc at his own cost. Department shall not provide any T&P, dewatering pump set etc. He should have diesel driven generating set for welding.
All fuel, oil, lubricants for dewatering pump set for pipe lines & for other purpose, welding rods, gas for gas cutter etc. shall be arranged by the contractor at his own cost. No extra payment shall be made to contractor on this account.

8. THEFT & LOSS OF FIXED ASSETS ETC.:
The cost material like pump sets, switchgears, valves, pipelines, joints, etc if theft or damaged, replaced, lost or not used properly shall be recovered from the contractor as per departmental rules.

9. SAFETY PRECAUTION:
Necessary safety equipments/ accessories shall be provided by the contractor to his employees to carry out the work of operation & maintenance.

Adequate safety precautions against accident during carrying out the work of operation & maintenance shall be strictly followed by the contractor at his won cost. Necessary medical first aid kit should be available at headworks at all time.

Department shall not be responsible for any accident caused due to non compliance of safety precautions whatever it may be.
10. COMPENSATIONS FOR DAMAGE/LOSS:

In the event of any damage/loss of life and property during operation & maintenance of scheme, the contractor shall be solely responsible and liable for loss/damage & compensation thereof. The department shall not be responsible for any such loss/damage of life & property & shall not pay anything against the same.

11. GENERAL MAINTENANCE AT HEAD WORKS :-

The contractor shall make arrangement for quarry rubbish & marble powder for road beams as & when directed by the Engineer-in-charge or during visit of higher authorities.

The contractor shall be responsible for watch & ward of pipe lines. However contractor shall provide watchmen round the clock at head works. No extra payment shall be admissible to the contractor on the account of cleaning & general maintenance of pipe lines.

12. PAYMENT TERMS:
   a) The operation & maintenance cost shall be payable on monthly basis, to be calculated from yearly rate quoted separately for the respective year by the contractor in the price schedule, after completion of months period on presentation of the bill by the firm.
   b) All statutory deductions of security deposit, Income tax, Sales tax etc shall be made from all running account bills & final bill as per prevalent departmental rules. The amount against security deposit shall be refunded after 6 month of completion of the contract.
   c) During verification of store & MAS account, if any material is found short, it shall be recovered from the contractor as per rule (i.e. double the issue rate).
   d) If any leakage persists inspite of having been to the notice of the contractor and the contractor fails to repair the same or delays the repair for more than 24
hours due to negligence on his part, as decided by the site in charge, the cost of water so wasted shall be recoverable from the contractor @ twice the daily amount payable to him for O&M for delay of each day. Part of the last day of repair shall be counted as one day.

11. FAILURE OF CONTRACTOR:

In the event of failure of the contractor or strike by the O&M staff the department shall be empowered to operate and maintain the water supply at the sole risk cost of the contractor.

Signature of the contractor

Executive Engineer
PHED District Division
Phalodi
UNIT – ‘D’

SCOPE OF WORK
UNIT – D

SCOPE OF WORK

A. OPERATION & MAINTENANCE WORK

I. Patrolling of identifying leakages in various pipe line, repairing of all type of leakages & bursts in DI, AC Pipe lines of sizes 500 mm AC to 100 mm respectively including dewatering, transportation of material from store/site etc, identifying choking in pipe lines, removing choking of pipe lines, removing chocking of pipe lines.

II. Preventive & repair maintenance of all specials of pipe lines & valves like air valves, scour valves, sluice valves, non-return valves, zero velocity valves etc.

III. Operation and Maintenance of all control valves of rising main & near pump house, removing of leakage, repair & replacement of any control valve as required.

IV. Preventive & repair maintenance of all CI/GI fitting, valves etc of along pipe line.

V. All suitable safety measures against the properties handed over to the contractor at the time of award of contract.

VI. All T&P shall be arranged by contractor himself for all type of operation & maintenance work.

VII. Following records shall be maintained by the contractor & produced periodically by the contractor for effective monitoring of the system.

a. Log book at pump house for operation of pipe lines/ valves.

b. Register at headworks showing water distribution in each village.

c. Material consumption records.

d. Complaint Register

e. Inspection Register

f. Record of maintenance work carried & material consumed at head works.
g. Log book for each village showing position of water supply, work carried out & material of consumed in repair & maintenance work, other records as directed by Engineer-in-charge.

VIII. General maintenance of Air valves, control valves etc.

IX. Lessoning with villagers, public representatives & other is concerning agencies.

X. Contractor shall be liable for carrying out any such work, to void disruption of water supply & loss of water etc. as per direction of Engineer-in-Charge. However he will no extend the distribution pipe line increase the PSP/CWT and will provide any water connection from rising main or distribution main without written permission of Engineer-in-charge. The contractor will return all type of used / unserviceable material to the JEN/AEN in charge, immediately after repair and maintenance.

XI. General watch or every property of department at Khichan Head work and residential quarters. Other civil works, pipeline, special etc.

XII. Material for all type of maintenance shall be supplied by the department free of cost but incase the material is not available with the department, contractor shall purchase the spare parts of pumping machinery or material with prior permission of Engineer-in-charge of which payment shall be reimbursed as per condition of Tender Document.

B. O & M of 500 mm to 100 mm AC/CL-10 / 15 Pipe Line

Daily patrolling of pipeline shall be done by the contractor by his own vehicle. A person starting from off take point RGLC RD 81 to Aau H/w’s and other intermediate village for patrolling must record the time of departure and get it verified by authorized person on reaching Khichan Head Works, the time duly verified by the authorized person at that pumping station. The contractor shall submit the consolidated report of patrolling up to 10 am of next day. Incase of major fault in the pipeline he shall immediately inform the concern departmental authorities & take remedial measures immediately.

The scope of work under this contract shall include the following :-
a. Daily patrolling of whole length of pipe line & detection of leakages etc.
b. O&M of control valves at RGLC off take point RD 81 and various valves installed along pipe line & head work.
c. Operation & maintenance of sourage control valves as and when required.
d. General watch & fmaintenance of pipeline & its appurtenance.
e. Maintaning of record such as log book, inspection register etc.
f. Periodic cleaning of butterfly and scour valves chamber and keep them near & clean.

Signature of the contractor

Executive Engineer
PHED District Division
Phalodi
**GOVERNMENT OF RAJASTHAN**

**DATE OF SALE :-**  16.11.2015  
**DATE OF OPENING:-**  17.11.2015  

**PUBLIC HEALTH ENGINEERING DEPARTMENT (PHED)**

**JODHPUR DISTRICT**  
**TEHSIL : PHALODI**

**Name of Work :-**  
Operation and Maintenance for Three Year 500 mm to 100 mm AC CL-15/10 Rising mains from off take point RGLC RD 81 to Khichan H/w’s IPS Denok-Aau- H/w’s under Regional Water Supply Scheme Aau-Moriya-Champasar originating from RGLC RD 81 Km Off take point.

**Envelope – B **  
**Price Bid**

**NIT NO  30/2015-16**

**COST OF WORK  19.50 LACS**

**Issue to :**  
M/s –

**C.R. No. - ..........................**  
**Dated .......................**

**E.M. Rs. 39000/-**  
**Tender Fees :- 500/-**

**EXECUTIVE ENGINEER**  
**PHED DISTRICT DIVISION, PHALODI**  
**Signature of cashier**
UNIT - ‘E’

PRICE SCHEDULE
Name of Work :- Operation and Maintenace for Three Year 500 mm to 100 mm AC CL-15/10 Rising mains from off take point RGLC RD 81 to Khichan H/w’s IPS Denok-Aau- H/w’s under Regional Water Supply Scheme Aau-Moriya-Champasar originating from RGLC RD 81 Km Off take point.

<table>
<thead>
<tr>
<th>S. NO.</th>
<th>Particulars</th>
<th>Rate to be quoted by contractor</th>
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<tr>
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<td>First year (in Rs.)</td>
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<tr>
<td>1.</td>
<td>Annual Rate Contract For Operation And Maintenance Of Filter water mains 500 mm to 100 mm AC CI-15/10 form off take point RGLC RD 81 to Khichan H/w’s to IPS Denok, to Aau H/w’s and intermediate village Dholasar, Paleena and Moriya etc. Complete Job.</td>
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Executive Engineer
PHED District Division
Phalodi

I/We hereby agree to execute the job on quoted rates in accordance with provisions of the tender documents.

Signature of the contractor