

वाष्कोस लिमिटेड
WAPCOS LIMITED

(भारत सरकार का उपक्रम — जल संसाधन मंत्रालय)
(A Government of India Undertaking - Ministry of Water Resources)

EVALUATION OF FINANCIAL BIDS
FOR

**DRILLING, CONSTRUCTION OF APPROX. 1000 NOS. PIEZOMETERS
WITH SUPPLY, INSTALLATION AND COMMISSIONING OF 1000 NOS.
DIGITAL WATER LEVEL RECORDER UNDER ATAL BHUJAL YOJNA
FOR GROUNDWATER MONITORING IN HARYANA, INDIA**

**REPORT
OF
THE TENDER EVALUATION COMMITTEE**

August, 2022

REPORT ON EVALUATION OF FINANCIAL BID DRILLING, CONSTRUCTION OF APPROX. 1000 NOS. PIEZOMETERS WITH SUPPLY, INSTALLATION AND COMMISSIONING OF 1000 NOS. DIGITAL WATER LEVEL RECORDER UNDER ATAL BHUJAL YOJNA FOR GROUNDWATER MONITORING IN HARYANA, INDIA. (PACKAGE – 1 & 2)

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ANNEXURES

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Sub: Evaluation of Price Bid for Drilling, Construction of approx. 1000 nos. Piezometers with Supply, Installation and Commissioning of 1000 Nos. Digital Water Level Recorder under Atal Bhujal Yojna for Groundwater Monitoring in Haryana, India.

As approved (annexure - 1), the Volume-II: Online uploaded price bids of those who were eligible in technical bid evaluation were opened by the committee on 30th August 2022 and evaluated by committee as per **Clause no.1.26** of tender document (annexure – 2). The details of Initiation of TOE is attached as **Annexure-3**.

A. Package-1 (576 Nos. of Piezometers & Digital Water Level Recorder):

The detailed financial statement which is based on the quoted unit price bid and quantities were prepared and given at following Annexure:

Annexure-4: The quoted rate and amount by **M/s Shiv Drillers, Kolkata for Package-1 (A&B)**

The status of price bid of the Bidder is as under:

Package	State & Type of Area	No. of Bidders Participated	No. of Bidders Technically Qualified	Name of Bidders	Total Quoted Amount excluding GST (In Rs)	Estimated Cost excluding GST (In Rs)	Status
1 (A & B)	Haryana (Soft Rock & Hard Rock)	02	01	M/s Shiv Drillers, Kolkata	24,23,12,600/-	24,23,68,450/-	L1

The quoted price is within the estimated cost. Based on the above status, the committee recommends **awarding the work** to the lowest bidder, **M/s Shiv Drillers, Kolkata** at his quoted price i.e. Rs. 24,23,12,600/- (Twenty Four Crore Twenty Three Lakh Twelve Thousand and Six Hundred Only).

B. Package-2 (424 Nos. of Piezometers & Digital Water Level Recorder):

The detailed financial statement which is based on the quoted unit price bid and quantities were prepared and given at following Annexure:

Annexure-5: The quoted rate and amount by **M/s Shiv Drillers, Kolkata for Package-2 (A&B)**

The status of price bid of the Bidder is as under:

Package	State & Type of Area	No. of Bidders Participated	No. of Bidders Technically Qualified	Name of Bidders	Total Quoted Amount excluding GST (In Rs)	Estimated Cost excluding GST (In Rs)	Status
2 (A & B)	Haryana (Soft Rock)	02	01	M/s Shiv Drillers, Kolkata	20,76,94,000/-	20,76,36,800/-	L1 but more than estimated cost

The quoted price is **more than the estimated cost**. Based on the above status, the committee recommends **not awarding the work** to **L 1 Bidder**.

It is recommended to re-invite the Package - 2 for which quoted cost is more than the estimated cost as separate tender at CPP Portal and the same has conveyed to client also.

Based on the above status, the committee recommends awarding the work to M/s Shiv Drillers, Kolkata in Package – 1 on quoted price and to Re-tender the Package – 2 because the quoted price is more than estimated cost. Copy of draft LOA is also attached (**Annexure – 6**) for your perusal.

Submitted for kind consideration and approval please.

Sh. Vikram Gupta
(ACM, Finance)

Sh. Suryanath Gupta
(DCG)

Sh. Rohit Pasrija
(DCG)

Ms. Shikha Tejwani
(DCM)

of the above is in the power of Sr. ED (GWRD&M) 

Sr. ED (GWRD&M):

J. B. R. a.
31/8/22

STC:

ANNEXURE - 1

As discussed, it is submitted that this tender have already been invited twice and date of submission was also extended each time. In first call, only one bid for each package was received but in second call, two bids for each package were received. Technical bid of only one bidder was found responsive to eligibility criteria.

Tender procedure meets the clause no. 11.8 of instructions issued by procurement policy division, department of expenditure, Ministry of Finance dated 29/10/2021 under marked "X". May kindly approve to open the price bid..

J.K. Rai
Dr. J.K. Rai 24/8/22

Sr. Executive Director

Dir (HRD & Commercial)

A
20/8

Dr. J. K. Rai, Sr. E.D.

For further action
to open price bid
J.K. Rai
29.08.22



Dy. Chief Geologist

GWRD&M Div.

Project Name - Drilling, Construction of approx. 1000 nos. Piezometers with Supply, Installation and Commissioning of 1000 Nos. Digital Water Level Recorder under Atal Bhujal Yojna for Groundwater Monitoring in Haryana, India

Subject – Regarding approval for Opening of Single Price Bid

Tender ID: WAP/GWRDM/DRILLING/2022-23/02

1.0 GENERAL:

On receipt of allotment of above project from Irrigation Water & Resource Department of Haryana, WAPCOS prepared tender documents & after approval from STC and IWRD Haryana (Copy enclosed as Annexure - 1) tender was uploaded on CPP Portal, details as under:

Date of Online Publication of Tender Documents	:	04.05.2022
Last Date of Submission of Tender Documents	:	25.05.2022
Date of Opening of Technical Bid	:	26.05.2022

Copy TOE is attached please. (Annexure – 2)

At the last date of opening, it was found that only one bidder has participated for each package (Package 1 & 2). So, last date of submission was extended for another one week i.e. upto 01.06.2022. Even after the extension only one bidder was participated for each package. The approval for opening of financial bid, being single bid tender was sought for Director (HRD) WAPCOS. Director (HRD) advised to recall the tender.

Incompliance of instructions, GWRD&M Div. again upload the tender at CPP Portal with the approval of IWRD Haryana and STC (Copy Attached as Annexure – 3), details are as under:

Date of Online Publication of Tender Documents	:	28.06.2022
Last Date of Submission of Tender Documents	:	19.07.2022
Date of Opening of Technical Bid	:	20.07.2022

Copy TOE is attached please. (Annexure – 4)

The last date of submission of tender documents was extended by one week as per requirement of IWRD, Haryana i.e 26.07.2022 up to 1200 PM. The technical bid was opened on 01.08.2022.

This time, two numbers of bidders submitted their bid for both packages. The details are as under:

S. No.	Name of the Bidder	Applied for Packages
1	M/s Super Engineers (India) Pvt. Ltd.	Package – 1 & 2
2	M/s Shiv Drillers	Package – 1 & 2

The Techno-commercial bids were opened on 01.08.2022 in the presence of WAPCOS committee members and representative of bidders at the office of Sr. Executive Director (GW), WAPCOS Ltd., 1st Floor ALPS Building, 56, Janpath Road, Connaught Place, New Delhi-110001.

Also General Instruction on Procurement and Project Management issued by **Procurement Policy Div, Department of Expenditure, Ministry of Finance vide no. F.1/1/2021-PPD dt. 29th Oct 2021** (Copy enclosed as Annexure - 5) under clause 11.8 have states that re-tendering again & again is not desirable and suggested single bid rejection is not feasible because re-bidding has drawbacks: firstly the actual costs of re-tendering; secondly the delay in execution of the work with consequent delay in the attainment of the purpose for which the procurement is being done; and thirdly the possibility that the re-bid may result in a higher bid. Lack of competition shall not be determined solely on the basis of the number of Bidders. Even when only one Bid is submitted, the process should be considered valid provided following conditions are satisfied:

- (i) The procurement was satisfactorily advertised and sufficient time was given for submission of bids;
- (ii) The qualification criteria were not unduly restrictive; and
- (iii) Prices are reasonable in comparison to market values.

The above three points are fulfilled during the tendering process as under:

- (i) Sufficient time has given as per rule.
- (ii) No restricted qualification criteria
- (iii) Estimated price has given by client but work will be awarded by WAPCOS within estimated cost.

Now the evaluation committee recommends that the price bid of the bidder **M/s Shiv Drillers** may be opened as it is found to meet the eligibility/ responsiveness criteria during Techno-commercial evaluation of the bid by the committee:

Submitted for kind consideration and in view of above, approval in sought for opening of single financial bid may please be provided.

Sh. Vikram Gupta
(ACM, Finance)

Sh. Suryanath Gupta
(DCG)

Sh. Rohit Pasrija
(DCG)

Ms. Shikha Tejwani
(DCM)

Sr. ED:

Dir. (HRD):

Sh. Atul (CA(F))

Pl. dist
ACM/HV

22/8

24/8

Director (CA & HRD)
Sr. ED (GWRM)

Page 2 of 2

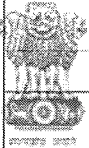
may kindly approve Pl.
22/8

Pl. discuss

ANNEXURE - 2

	1.24.4 The technical evaluation shall be made for the bidder's proposed method of Construction, Construction programme, order / sequence of the Work and proposed resources assigned to do the Work to determine his capability. 1.24.5 If the technical bid is not substantially responsive to the requirements of the Bidding Documents, or the proposed construction methods are clearly impracticable, it will be rejected by WAPCOS and may not subsequently be made responsive by the bidder having corrected or withdrawn the non-conforming deviation or reservation. 1.24.6 The price bids of only those bidders will be considered whose Techno-Commercial bids have been found to be substantially responsive to the requirements of the Bidding Documents. The date and venue for the opening of the price bid shall be notified separately and communicated to the eligible and technically qualified bidders. The price bids along with bid securities of the bidders whose Techno- Commercial bids have been declared non-responsive, shall be returned unopened to the bidders. The price bid of qualified bidders shall be opened in the presence of the intending bidders or their authorized representatives who wish to be present, on notified date by WAPCOS.
1.25 Correction of Errors	The price bid shall be checked by WAPCOS for any arithmetic errors in computation and summation. Errors will be corrected by WAPCOS as follows: (i) Where there is a discrepancy between the rate/ amount in figures (ii) Where there is a discrepancy between the unit rate and the total amount derived from the multiplication or addition of the unit rate and the quantity, the unit rate as quoted will govern.
1.26 Evaluation and Comparison of Tenders	1.26.1 WAPCOS will evaluate tenders and award the Contract to the techno-commercially acceptable responsive contractors offering the lowest Evaluated Tender Price. 1.26.2 WAPCOS reserves the right to accept or reject any variation, deviation or alternative offers. Variations, deviations, alternative offers and other factors which are in excess of the requirements of the Tender Document or otherwise result in the accrual of unsolicited benefits to WAPCOS shall not be taken into account in tender evaluation.
E. AWARD OF CONTRACT	
1.27 Award Criteria	The Employer will award the contract to the successful Bidder whose bid has been determined to be substantially responsive to be bidding documents and who has offered Lowest Bid Price.
1.28 WAPCOS's Right to Accept any Bid and to Reject any or all Bids	The Employer reserves the right to accept or reject any bid, and to annul the bidding process and reject all' bids at any time prior to award of contract, without thereby incurring any liability to the affected Bidder or bidders or any obligation to inform the affected Bidder or bidders of the grounds for the Employer's action.
1.29 Notification of Award	1.29.1 Prior to the expiration of the period of bid validity prescribed by WAPCOS or any extension thereof, WAPCOS will notify the successful bidder in writing by registered letter, that his bid has been accepted. 1.29.2 The notification of award will constitute the formation of the Contract. 1.29.3 Upon the furnishing by the successful bidder of a Performance Security in accordance with the provisions of para 1.31, WAPCOS will promptly notify the unsuccessful bidders that their bids have been unsuccessful.

ANNEXURE - 3

Government eProcurement System		Government eProcurement System	
Tender Details			
		Date : 30-Aug-2022 11:19 AM	
 Print			
Basic Details			
Organisation Chain	WAPCOS Limited Centre for Ground Water Resource Development and Management		
Tender Reference Number	WAP/GWRDM/DRILLING/2022-23/02		
Tender ID	2022_WAPCO_120542_1		
Tender Type	Open Tender	Form of contract	Works
Tender Category	Works	No. of Covers	2
General Technical Evaluation Allowed	No	ItemWise Technical Evaluation Allowed	No
Payment Mode	Offline	Is Multi Currency Allowed For BOQ	No
Is Multi Currency Allowed For Fee	No	Allow Two Stage Bidding	No
Payment Instruments		Cover Details, No. Of Covers - 2	
Offline	S.No	Instrument Type	
	1	Bank Guarantee	
	Cover No	Cover	Document Type
	1	Fee/PreQual /Technical	.pdf
			.pdf
			.pdf
	2	Finance	.xls
Tender Fee Details, [Total Fee in ₹ * - 5,000]		EMD Fee Details	
Tender Fee in ₹	5,000	EMD Amount in ₹	90,00,105
Fee Payable To	WAPCOS Limited	EMD through BG/ST or EMD Exemption Allowed	No
Fee Payable At	WAPCOS Limited	EMD Fee Type	fixed
Tender Fee Exemption Allowed	No	EMD Percentage	NA
		EMD Payable To	WAPCOS Limited
		EMD Payable At	WAPCOS Limited
Click to view modification history			

Work / Item(s)

Title	Drilling Construction of 1000 Nos. Piezometers, supply, installation, testing and commissioning of DWLR				
Work Description	Drilling Construction of Piezometers, supply, installation, testing and commissioning of DWLR Comprehensive maintenance for 05 Years				
Pre Qualification Details	NA				
Independent External Monitor/Remarks	NA				
Show Tender Value in Public Domain	Yes				
Tender Value in ₹	45,00,05,250	Product Category	Civil Works - Water Works	Sub category	Work and Supply
Contract Type	Tender	Bid Validity(Days)	120	Period Of Work(Days)	304
Location	Haryana	Pincode	133301	Pre Bid Meeting Place	New Delhi
Pre Bid Meeting Address	WAPCOS Limited First Floor, ALPS Building, 56 Janpath, Connaught Place, New Delhi 110001	Pre Bid Meeting Date	04-Jul-2022 12:00 PM	Bid Opening Place	New Delhi
Should Allow NDA Tender	No	Allow Preferential Bidder	No		

Critical Dates

Publish Date	28-Jun-2022 12:05 PM	Bid Opening Date	27-Jul-2022 12:00 PM
Document Download / Sale Start Date	28-Jun-2022 12:05 PM	Document Download / Sale End Date	26-Jul-2022 12:00 PM
Clarification Start Date	NA	Clarification End Date	NA
Bid Submission Start Date	05-Jul-2022 10:00 AM	Bid Submission End Date	26-Jul-2022 12:00 PM
Financial Bid Opening Date	30-Aug-2022 12:00 PM		

Tender Documents

NIT Document	S.No	Document Name	Description	Document Size (in KB)	
	1	Tendernotice_1.pdf	Drilling Construction of 1000 Piezometers with supply, installation, testing and commissioning of DWLR Comprehensive maintenance for 05 Years	1823.91	
Work Item Documents	S.No	Document Type	Document Name	Description	Document Size (in KB)
	1	Tender Documents	Tender.pdf	Drilling Construction of 1000 nos. Piezometers, supply, installation, testing and commissioning of DWLR Comprehensive maintenance for 05 Years	5072.81
	2	BOQ	BOQ_131447.xls	BOQ	354.50

Latest Corrigendum List

S.No	Corrigendum Title	Corrigendum Type	View
1	Time Extension	Date	

Bid Openers List

S.No	Bid Opener Login Id	Bid Opener Name	Certificate Name
1.	pratap.kamaleshwar@gmail.com	Kamleshwar Pratap	KAMALESHWAR PRATAP
2.	snt@wapcos.co.in	Suryanath Gupta	SURYANATH GUPTA
3.	rps@wapcos.co.in	Rohit Pasrija	ROHIT PASRIJA

Tender Properties

Auto Tendering Process allowed	No	Show Technical bid status	Yes
Show Finance bid status	Yes	Show Bids Details	Yes
BoQ Comparative Chart model	Normal	BoQ Compative chart decimal places	2
BoQ Comparative Chart Rank Type	L	Form Based BoQ	No

Tender Inviting Authority

Name	Chelf Engineer
Address	WAPCOS Limited First Floor, ALPS Building, 56 Janpath, Connaught Place, New Delhi 110001

Tender Creator Details

Created By	Suryanath Gupta
Designation	Geologist
Created Date	28-Jun-2022 11:48 AM

ANNEXURE - 4

Validate		Print		Help		Item Rate BoQ	
Tender Inviting Authority: Tender Inviting Authority: Chief Engineer (GW), WAPCOS Ltd.							
Name of Work: DRILLING, CONSTRUCTION OF APPROX. 576 NOS. PIEZOMETERS UNDER ATAL BHUJAL YOJNA FOR GROUNDWATER MONITORING IN HARYANA, INDIA- PACKAGE - 1 A							
Contract No: WAP/ GWRD&MDRILLING/2022-23/01							
Name of the Bidder/ Bidding Firm / Company:		SHV DRILLERS					
PRICE SCHEDULE (This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only) of any item is needed as per technical requirement at site, the same shall be decided by WAPCOS & IWRD; (1. If the additional quantity) 2. Payment shall be made based on actual executed quantities of each item at site. 3. The payment of pipe shall be made based on actual consumptions of pipes. 4. The pipes shall be supplied by the bidder as per technical specification & BOQ. 5. The quoted price should be inclusive of all taxes and duties as applicable (except GST); 6. In Alluvium Formation pilot hole depth shall be determined based on log depth & In Hard Rock formation drilling depth shall be based on actual measurement depth of wells.)							
SL No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT in Words	
1	Drilling of pilot hole for Piezometer using bentonite fluid by rock roller/drag bit of 300 mm dia including formation sample collection at every 3m, preparation and submission of lithology. (Drilling Depth can be varied from 60 m to 130 m as per the recommendation received by Site-in-charge)	19745.000	Meter	1000.00	19745000.00	INR One Crore Ninety Seven Lakh Forty Five Thousand Only	
2	Drilling of overburden by Rockroller/ drag/ button bit to accommodate ERWMS - 150 mm, 5 mm thickness casing pipe including sample collection, preparation and submission of lithology, measurement of discharge through V-notch at various stages (Depths) of drilling, collection of water sample of each fracture zone encountered adopting standard procedure in 1 liter good quality HDPE bottle.	15120.000	Meter	1200.00	18144000.00	INR One Crore Eighty One Lakh Forty Four Thousand Only	
3	Drilling by DTH Method using appropriate size of button bit so as to reach target depth with diameter of hole not less than 125 mm at 100 m depth and final hole diameter not less than 125 mm at hole bottom including sample collection and preparation of lithology.	18420.000	Meter	600.00	11052000.00	INR One Crore Ten Lakh Fifty Two Thousand Only	
4	Digital Electrical logging using 405 mm and 1626 mm (16" and 64") SP, resistivity probe and Natural gamma logging, submission of log graph & report including zone wise water quality, logging graph, composite log etc.	198.000	Nos	32000.00	6336000.00	INR Sixty Three Lakh Thirty Six Thousand Only	
5	Supply and installation of ERW MS - casing pipe of 150 mm nominal size dia, thickness 5 mm conforming to Table 3 of latest version of IS: 4270-2001 of diameter and thickness.	15662.500	Meter	2400.00	37590000.00	INR Three Crore Seventy Five Lakh Ninety Thousand Only	
6	Supply and installation of LCG V- wire screen of 150 mm nominal size dia, thickness 6 mm conforming to latest version of IS: 8110-2000 of dimensions, (0.75 mm to 1 mm - Screen Size as per site condition)	70.000	Meter	2000.00	140000.00	INR One Lakh Forty Thousand Only	
7	Supply and installation of ERW MS - casing pipe of 100 mm nominal size dia, thickness 5 mm conforming to Table 3 of latest version of IS: 4270-2001 of diameter and thickness.	17393.000	Meter	1200.00	20871600.00	INR Two Crore Eight Lakh Seventy One Thousand Six Hundred Only	
8	Supply and installation of LCG V- wire screen of 100 mm nominal size dia, thickness 6 mm conforming to latest version of IS: 8110-2000 of dimensions, (0.75 mm to 1 mm - Screen Size as per site condition)	1500.000	Meter	1400.00	2100000.00	INR Twenty One Lakh Only	
9	Supply and shrouding of pea gravel of Particle size range 2.00 mm to 3.35 mm for 1.0 mm screen opening conforming to latest version of IS: 4097-1967.	3446.000	Meter	2500.00	8615000.00	INR Eighty Six Lakh Fifteen Thousand Only	
10	Supply and filling up borehole/ annular space between casing pipe and bore hole wall with clay balls	198.000	Jobs	6000.00	990000.00	INR Nine Lakh Ninety Thousand Only	
11	Development by air compressor of adequate capacity for minimum 3 hours to clear the discharge water & collection of water samples.	573.000	Hrs.	5000.00	2865000.00	INR Twenty Eight Lakh Sixty Five Thousand Only	
12	Development by air compressor in 7 Piezometers of adequate capacity for minimum 5 hours and by other means till discharge water is clear and free of sand.	35.000	Hrs.	6000.00	210000.00	INR Two Lakh Ten Thousand Only	
13	Pumping test (includes pre pumping for 5 hours and 16 hours recuperation, SDT (4 steps, 60 min each), APT (960 min) and collection of 2 nos. of water samples (2 Basic using standard procedure per EW in 1 liter HDPE bottle) and submission of report with data, graph sheet, analysis etc.	7.000	Jobs	30000.00	210000.00	INR Two Lakh Ten Thousand Only	
14	Chemical analysis of water samples for 15 parameters Ph, EC, TH, TDS, Ca, Mg, Na, K, CO3, HCO3, SO4, NO3, Cl F, & Fe, in NABL accredited labs and submission of report from NABL lab	576.000	Job	10000.00	5760000.00	INR Fifty Seven Lakh Sixty Thousand Only	
15	Construction of cement concrete platform 0.70 x 0.70 x 0.60 m (0.30 m above ground level) using concrete mix of 1:2:4 around the housing pipe welded minimum 6 nos, anchoring plate as per drawing	576.000	Job	10000.00	5760000.00	INR Fifty Seven Lakh Sixty Thousand Only	
16	Supply and installation of protection box made of GI sheet of 3.15mm thickness along with Brass lock (7 lever hardened) and three keys for each lock as per drawing & Well Cap as per drawing, MS Plate size 5 to 10mm with welding on outer surface of casing pipe 0.5mtrs.	576.000	Job	12000.00	6912000.00	INR Sixty Nine Lakh Twelve Thousand Only	
17	Supply and installation of display board as per specification in drawing	576.000	Nos	10000.00	5760000.00	INR Fifty Seven Lakh Sixty Thousand Only	
18	Preparation and submission of basic data report in triplicate along with logging graphs, data sheets, analysis sheet, logging graphs, chemical analysis report from NABL lab, photographs/ videos of activity drilling assembly, part assembly lowering, pumping test, pumping test, V-notch discharge at various depths of drilling well site with display board well cap, protection box activity for each EW site, etc. The soft copy should be submitted.	576.000	Nos	5000.00	2880000.00	INR Twenty Eight Lakh Eighty Thousand Only	
Total In Figures					155940600.00	INR Fifteen Crore Fifty Nine Lakh Forty Thousand Six Hundred Only	
Quoted Rate in Words		INR Fifteen Crore Fifty Nine Lakh Forty Thousand Six Hundred Only					

Validate

Print

Help

Item Rate BoQ

Tender Inviting Authority: Tender Inviting Authority: Chief Engineer (GW), WAPCOS Ltd.

Name of Work: Supply Installation, Testing and Commissioning of Automatic Digital Water Level Recorders (ADWLRs) - PACKAGE - 1B

Contract No: WAP/ GWRD&M/DRILLING/2022-23/01

Name of the Bidder/ Bidding Firm / Company :

Shiv Drillers

PRICE SCHEDULE

(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)

English) in soft and hard copies of per equipment showing details shall be supplied to consignee and WARD, Panchkula.

ii.) Any wire required other than the cable shall be supplied free of cost and it should be on reel.

iii.) Training by OEM expert/OEM authorised technical person for data acquisition, processing, interpretation, up keep and maintenance and trouble shooting, field minor repairing, principle as well as practical for consignee's representative per equipment for required period at supplier cost at consignee place shall be provided before/after or during commissioning. The training should be to the entire satisfaction of consignee.

iv.) Installation, Commissioning and field testing: Supplier has to arrange for commissioning and testing of equipments, if required along with its components at Jurisdiction of consignee place at supplier cost, Supplier will inform in advance for installation and commissioning of the equipment.

v.) Length of sensor cable wire of ADWLR may vary from site to site of piezometers and it will be the responsibility of contractor to manage the installation upto desired depth.

vi.) Any items/accessories needed for safe and smooth operation of equipment even though not mentioned in the BOQ/Technical specification are deemed to be covered by BOQ and the same shall be supplied without any additional cost.

vii.) Above quoted cost includes all charges for items, articles, consumables and operations mentioned above or other items required for smooth running and functioning of equipment including cost of visiting the Service Engineer/Technician at the location during the comprehensive warranty and nothing extra shall be paid on this account.

NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT In Words
1	2	4	5	13	53	55
1	Supply Installation, Testing and Commissioning of Digital Water Level Recorders (DWLRs) with non-vented hydrostatic pressure type sensor with barometric pressure correction for individual station with measurement range (as per attached list) of up to 30 meter along with sensor cable, as per list of installation sites specified in Table-I, including junction box and necessary accessories with battery operated data logger and GSM & GPRS telemetry system, complete as per the technical specifications.	301	Each	127000.00	38227000.00	INR Three Crore Eighty Two Lakh Twenty Seven Thousand Only
2	Supply Installation, Testing and Commissioning of Digital Water Level Recorders (DWLRs) with non-vented hydrostatic pressure type sensor with barometric pressure correction for individual station with measurement range (as per attached list) of up to 50 meter along with sensor cable, as per list of installation sites specified in Table-I including junction box and necessary accessories with battery operated data logger and GSM & GPRS telemetry system, complete as per the technical specifications.	81	Each	127000.00	10287000.00	INR One Crore Two Lakh Eighty Seven Thousand Only
3	Supply Installation, Testing and Commissioning of Digital Water Level Recorders (DWLRs) with non-vented hydrostatic pressure type sensor with barometric pressure correction for individual station with measurement range (as per attached list) of up to 70 meter along with sensor cable, as per list of installation sites specified in Table-I including junction box and necessary accessories with battery operated data logger and GSM & GPRS telemetry system, complete as per the technical specifications.	194	Each	127000.00	24638000.00	INR Two Crore Forty Six Lakh Thirty Eight Thousand Only
4	Integration of DWLR GSM & GPRS data at Cloud server to the existing State Data Center and e-SWIS/State Server with (Pull/push) API and Web interface as per technical specifications. * Provision of Services for Cloud Server is in Scope of Bidder	1	Each	800000.00	800000.00	INR Eight Lakh Only
5	Construction of Fencing with wire mesh (76 mm x 76 mm x 12 mm gauge) around the piezometer site as per drawing attached including Fabrication and supply, fixing and painting of Fencing angle iron, sign board of frame size 0.75 m x 0.6 m x 1.2 mm thick with cross strips and provision to fix on wire mesh frame. Overall size of fencing will be 2 m x 2 m x 2 m above ground as per Drawing and Design including all labour and material etc. required as per technical specifications.	576	Each	10000.00	5760000.00	INR Fifty Seven Lakh Sixty Thousand Only
6	Training of the purchaser's personnel at the supplier's plant and/or on site in assembly, startup, operation, maintenance and/or repair of DWLR with telemetry and relevant software and supplied goods. Course topics will include sensor calibration, data logger configuration, data downloading, data retrieval, collection, Trouble shooting, processing maintenance requirements and procedure for equipment configuration, installation, site testing and commissioning including training kit containing course material in soft and hard copies as per technical specification	3	Each	300000.00	900000.00	INR Nine Lakh Only
7	5 Years Operation and Maintenance and Comprehensive Warranty for DWLRs with Telemetry system along with accessories, installed at designated locations as specified in schedule, after final acceptance and up gradation of all software associated with DWLR systems. This includes replacement of batteries as & when required at bidders cost. The cost of communication using GSM & GPRS sim cards and other related charges.	576	Each	10000.00	5760000.00	INR Fifty Seven Lakh Sixty Thousand Only
Total in Figures					86372000.00	INR Eight Crore Sixty Three Lakh Seventy Two Thousand Only
Quoted Rate in Words		INR Eight Crore Sixty Three Lakh Seventy Two Thousand Only				

ANNEXURE - 5

ANNEXURE - 5

Validate		Print		Help		Item Rate BoQ	
Tender Inviting Authority: Tender Inviting Authority: Chief Engineer (GW), WAPCOS Ltd.							
Name of Work: DRILLING, CONSTRUCTION OF APPROX. 424 NOS. PIEZOMETERS UNDER ATAL BHUJAL YOJNA FOR GROUNDWATER MONITORING IN HARYANA, INDIA- PACKAGE - 2A							
Contract No: WAP/ GWRD&M/DRILLING/2022-23/01							
Name of the Bidder/ Bidding Firm / Company :		Shiv Drillers					
PRICE SCHEDULE (This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only.) Item is needed as per technical requirement at site, the same shall be decided by WAPCOS & IWRD; (1. If the additional quantity of any 2. Payment shall be made based on actual executed quantities of each item at site. 3. The payment of pipe shall be made based on actual consumptions of pipes 4. The pipes shall be supplied by the bidder as per technical specification & BOQ. 5. The quoted price should be inclusive of all taxes and duties as applicable (except GST); 6. In Alluvium Formation pilot hole depth shall be determined based on Log Depth & In Hard Rock formation drilling depth shall be based on actual measurement depth of wells.)							
NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER #	NUMBER #	TEXT #	
Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT In Words	
1	2	4	5	13	53	55	
1	Drilling of pilot hole for Piezometer using bentonite fluid by rock roller/drag bit of 300 mm dia including formation sample collection at every 3m, preparation and submission of litholog. (Drilling Depth can be varied from 50 m to 130 m as per the recommendation received by Site-in-charge)	35010.000	Meter	1000.00	39010000.00	INR Three Crore Ninety Lakh Ten Thousand Only	
2	Digital Electrical logging using 408 mm and 1626 mm (16" and 64") SP, resistivity probe and Natural gamma logging, submission of log graph & report including zone wise water quality, logging graph, composite log etc.	424.000	Nos	32000.00	13568000.00	INR One Crore Thirty Five Lakh Sixty Eight Thousand Only	
3	Supply and installation of ERW MS - casing pipe of 150 mm nominal size dia, thickness 5 mm conforming to Table 3 of latest version of IS: 4270-2001 of diameter and thickness.	353.500	Meter	2400.00	848400.00	INR Eight Lakh Forty Eight Thousand Four Hundred Only	
4	Supply and installation of LCG V- wire screen of 150 mm nominal size dia, thickness 6 mm conforming to latest version of IS: 8110-2000 of dimensions. (0.75 mm to 1 mm - Screen Size as per site condition)	70.000	Meter	2000.00	140000.00	INR One Lakh Forty Thousand Only	
5	Supply and installation of ERW MS - casing pipe of 100 mm nominal size dia, thickness 5 mm conforming to Table 3 of latest version of IS: 4270-2001 of diameter and thickness.	34578.000	Meter	1200.00	41493600.00	INR Four Crore Fourteen Lakh Ninety Three Thousand Six Hundred Only	
6	Supply and installation of LCG V- wire screen of 100 mm nominal size dia, thickness 6 mm conforming to latest version of IS: 8110-2000 of dimensions. (0.75 mm - 1 mm - Screen Size)	2945.000	Meter	1400.00	4123000.00	INR Forty One Lakh Twenty Three Thousand Only	
7	Supply and shrouding of pea gravel of Particle size range 2.00 mm to 3.35 mm for 1.0 mm screen opening conforming to latest version of IS: 4097-1967.	6424.000	Meter	2500.00	16060000.00	INR One Crore Sixty Lakh Sixty Thousand Only	
8	Supply and filling up borehole/ annular space between casing pipe and bore hole wall with clay balls	424.000	Jobs.	5000.00	2120000.00	INR Twenty One Lakh Twenty Thousand Only	
9	Development by air compressor of adequate capacity for minimum 3 hours to clear the discharge water & collection of water samples	1251.000	Hrs.	5000.00	6255000.00	INR Sixty Two Lakh Fifty Five Thousand Only	
10	Development by air compressor in 7 Piezometers of adequate capacity for minimum 5 hours and by other means till discharge water is clear and free of sand	35.000	Hrs.	6000.00	210000.00	INR Two Lakh Ten Thousand Only	
11	Pumping test (includes pre pumping for 5 hours and 16 hours recuperation, SDT (4 steps, 60min each), APT (960 min) and collection of 2 nos. of water samples (2 each for Basic using standard procedure	7.000	Jobs.	30000.00	210000.00	INR Two Lakh Ten Thousand Only	
12	Chemical analysis of water samples for 15 parameters Ph, EC, TH, TDS, Ca, Mg, Na, K, CO3, HCO3, SO4, NO3, Cl, F, & Fe, in NABL accredited labs and submission of report from NABL lab	424.000	Job	10000.00	4240000.00	INR Forty Two Lakh Forty Thousand Only	
13	Construction of cement concrete platform 0.70 x 0.70 x 0.60 m (0.30 m above ground level) using concrete mix of 1:2:4 around the housing pipe welded minimum 6 nos, anchoring plate as per drawing	424.000	Job	10000.00	4240000.00	INR Forty Two Lakh Forty Thousand Only	
14	Supply and installation of protection box made of GI sheet of 3.15mm thickness along with Brass lock (7 lever hardened) and three keys for each lock as per drawing & Well Cap as per drawing. MS Plate size 5 to 10mm with welding on outer surface of casing pipe 0.5mtrs.	424.000	Job	12000.00	5088000.00	INR Fifty Lakh Eighty Eight Thousand Only	
15	Supply and installation of display board as per specification in drawing	424.000	Nos	10000.00	4240000.00	INR Forty Two Lakh Forty Thousand Only	
16	Preparation and submission of basic data report in triplicate along with logging graphs, data sheets, analysis sheet, logging graphs, chemical analysis report from NABL lab, photographs/ videos of activity drilling assembly, part assembly lowering, pumping test, pumping test, V- notch discharge at various depths of drilling well site with display board well cap, protection box activity for each EV site, etc. The soft copy should be submitted.	424.000	Nos	5000.00	2120000.00	INR Twenty One Lakh Twenty Thousand Only	
Total in Figures					143966000.00	INR Fourteen Crore Thirty Nine Lakh Sixty Six Thousand Only	
Quoted Rate In Words		INR Fourteen Crore Thirty Nine Lakh Sixty Six Thousand Only					

Validate

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Help

Item Rate BoQ

Tender Inviting Authority: Tender Inviting Authority: Chief Engineer (GW), WAPCOS Ltd.

Name of Work: Supply Installation, Testing and Commissioning of Automatic Digital Water Level Recorders (ADWLRs) - PACKAGE - ZB

Contract No: WAP/ GWRD&M/DRILLING/2022-23/01

Name of the Bidder/ Bidding Firm / Company : Shiv Drillers

PRICE SCHEDULE

(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)

English) in soft and hard copies of per equipment showing details shall be supplied to consignee and MWRD, Panchkula.

ii.) Any wire required other than the cable shall be supplied free of cost and it should be on reel.

iii.) Training by OEM expert/OEM authorised technical person for data acquisition, processing, interpretation, up keep and maintenance and trouble shooting, field minor repairing, principle as well as practical for consignee's representative per equipment for required period at supplier cost at consignee place shall be provided before/after or during commissioning. The training should be to the entire satisfaction of consignee.

iv.) Installation, Commissioning and field testing: Supplier has to arrange for commissioning and testing of equipments, if required along with its components at Jurisdiction of consignee place at supplier cost, Supplier will inform in advance for installation and commissioning of the equipment.

v.) Length of sensor cable wire of ADWLR may vary from site to site of piezometers and it will be the responsibility of contractor to manage the installation upto desired depth.

vi.) Any items/accessories needed for safe and smooth operation of equipment even though not mentioned in the BOQ/Technical specification are deemed to be covered by BOQ and the same shall be supplied without any additional cost.

vii.) Above quoted cost includes all charges for items, articles, consumables and operations mentioned above or other items required for smooth running and functioning of equipment including cost of visiting the Service Engineer/Technician at the location during the comprehensive warranty and nothing extra shall be paid on this account.

NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT In Words
1	2	4	5	13	53	55
1	Supply Installation, Testing and Commissioning of Digital Water Level Recorders (DWLRs) with non-vented hydrostatic pressure type sensor with barometric pressure correction for individual station with measurement range (as per attached list) of up to 30 meter along with sensor cable, as per list of installation sites specified in Table-I, including junction box and necessary accessories with battery operated data logger and GSM & GPRS telemetry system, complete as per the technical specifications.	202	Each	127000.00	25654000.00	INR Two Crore Fifty Six Lakh Fifty Four Thousand Only
2	Supply Installation, Testing and Commissioning of Digital Water Level Recorders (DWLRs) with non-vented hydrostatic pressure type sensor with barometric pressure correction for individual station with measurement range (as per attached list) of up to 50 meter along with sensor cable, as per list of installation sites specified in Table-I including junction box and necessary accessories with battery operated data logger and GSM & GPRS telemetry system, complete as per the technical specifications.	203	Each	127000.00	25781000.00	INR Two Crore Fifty Seven Lakh Eighty One Thousand Only
3	Supply Installation, Testing and Commissioning of Digital Water Level Recorders (DWLRs) with non-vented hydrostatic pressure type sensor with barometric pressure correction for individual station with measurement range (as per attached list) of up to 70 meter along with sensor cable, as per list of installation sites specified in Table-I including junction box and necessary accessories with battery operated data logger and GSM & GPRS telemetry system, complete as per the technical specifications.	19	Each	127000.00	2413000.00	INR Twenty Four Lakh Thirteen Thousand Only
4	Integration of DWLR GSM & GPRS data at Cloud server to the existing State Data Center and e-SWIS/State Server with (Pull/push) API and Web interface as per technical specifications. * Provision of Services for Cloud Server is in Scope of Bidder	1	Each	800000.00	800000.00	INR Eight Lakh Only
5	Construction of Fencing with wire mesh (76 mm x 76 mm x 12 mm gauge) around the piezometer site as per drawing attached including Fabrication and supply, fixing and painting of Fencing angle iron, sign board of frame size 0.75 m x 0.6 m x 1.2 mm thick with cross strips and provision to fix on wire mesh frame. Overall size of fencing will be 2 m x 2 m x 2 m above ground as per Drawing and Design including all labour and material etc. required as per technical specifications.	424	Each	10000.00	4240000.00	INR Forty Two Lakh Forty Thousand Only
6	Training of the purchaser's personnel at the supplier's plant and/or onsite in assembly, startup, operation, maintenance and/or repair of DWLR with telemetry and relevant software and supplied goods. Course topics will include sensor calibration, data logger configuration, data downloading, data retrieval, collection, Trouble shooting, processing maintenance requirements and procedure for equipment configuration, installation, site testing and commissioning including training kit containing course material in soft and hard copies as per technical specification	2	Each	300000.00	600000.00	INR Six Lakh Only
7	5 Years Operation and Maintenance and Comprehensive Warranty for DWLRs with Telemetry system along with accessories, installed at designated locations as specified in schedule, after final acceptance and up gradation of all software associated with DWLR systems. This includes replacement of batteries as & when required at bidders cost. The cost of communication using GSM & GPRS sim cards and other related charges.	424	Each	10000.00	4240000.00	INR Forty Two Lakh Forty Thousand Only
Total in Figures					63728000.00	INR Six Crore Thirty Seven Lakh Twenty Eight Thousand Only
Quoted Rate in Words				INR Six Crore Thirty Seven Lakh Twenty Eight Thousand Only		

ANNEXURE - 6

No. WAP/GWRD&M/SD/HARYANA/1

Date: 05/09/2022

M/s Shiv Drillers
H.O.:27/1, Rabindra Sarani,
Kolkata-700073
Telefax +913339851475
E-mail:shivdrillers@gmail.com

Sub: Drilling, Construction of approx. 576 nos. Piezometers with Supply, Installation and Commissioning of 576 Nos. Digital Water Level Recorder under Atal Bhujal Yojna for Groundwater Monitoring in Haryana, India (Package – 1 A & 1 B)

Letter of Acceptance (LOA)

Dear Sir,

This is to inform that the Bid for the above work submitted to Chief Engineer Geologist (GW), WAPCOS, New Delhi, by M/s Shiv Drillers vide CPP Portal and subsequently your price has been accepted for and on behalf of WAPCOS Ltd. on the basis of the following:

1. The Contract price shall be **Rs. 24,23,12,600/- (Twenty Four Crore Twenty Three Lakh Twelve Thousand and Six Hundred Only) and GST** extra as applicable which has been determined based on accepted lowest item rates for, "Drilling, Construction of approx. 576 nos. Piezometers with Supply, Installation and Commissioning of 576 Nos. Digital Water Level Recorder under Atal Bhujal Yojna for Groundwater Monitoring in Haryana, India (Package 1A & 1B)" as stated in your submitted BOQ (copy enclosed).

No payment towards shifting of rig and site preparation shall be made in case site is shifted due to abandoning of the bore hole or any other reason.

2. The acceptance of your bid is based on the terms, conditions and stipulations of the bidding documents and read with modifications, amendments, addendum/ corrigendum to the bidding documents.

3. The Contractor shall commence the actual drilling works on Site within a period of fifteen days after the issue of letter of acceptance.
4. The total time period for completion of the works is **10 Months** from the date of Signing of Agreement / handover of site.
5. Within Five days of the receipt of this LOA, your authorized representative shall attend the office of the Chief Engineer Geologist (GW), WAPCOS, New Delhi or on a date mutually agreed upon, for signing of the Contract Agreement on a Non-Judicial stamp paper of appropriate value.
6. Within Seven days of the receipt of this LOA, but not later than the date of signing of the agreement M/s Shiv Drillers shall submit to Chief Engineer Geologist (GW), WAPCOS, a Performance Security favoring WAPCOS Ltd. in the form of a Bank Guarantee from any schedule bank as stipulated in the bidding documents, for an amount of 5% (five percent) of the Contract Price.
7. Within a period of seven days from the issue of this LOA, M/s Shiv Drillers shall submit to Chief Engineer Geologist (GW), WAPCOS for his approval, two copies of the Construction Programme showing the order of procedure in which M/s Shiv Drillers proposes to carry out the works. The Programme shall also conform to the requirements of Clause-16 of the GCC.
8. M/s Shiv Drillers shall deploy drilling and construction equipment/ machinery, manpower as mentioned in tender documents. If contractor fails to deploy man and machinery as accepted by contractor in the bid within a month, WAPCOS will be free to terminate the contract without any further notice.
9. M/s Shiv Drillers shall also provide vehicle for field visit of WAPCOS officials during selection of sites as per Tender documents.
10. M/s Shiv Drillers shall carry out the works as may be directed by WAPCOS Engineer-in-charge of the work or his representative at the locations as may be directed, without any change in rates and prices of this account.
11. The works shall be executed, completed and defects, if any, rectified in conformity, in all respects, with the provisions of the Contract.

This LOA is being issued to M/s Shiv Drillers in duplicate. We request M/s Shiv Drillers to return the duplicate copy duly signed by the authorized signatory and stamped on each page thereof immediately as a token of acknowledgement and confirmation of the same.

We thank M/s Shiv Drillers for the interest shown in the Project of Drilling and Construction of Piezometers with installation and maintenance of DWLRs and look forward to receive M/s Shiv Drillers continued in future also.

Yours truly,

**For and on behalf of WAPCOS Ltd.
(Dr. Kamaleshwar Pratap)
Chief Engineer Geologist (GW)**

“ACCEPTED”

For and on behalf of M/s Shiv Drillers, Kolkata

Name, Designation and Stamp