



# DIRECTORATE of GROUND WATER

(MERGED AREAS)

## IRRIGATION DEPARTMENT

1<sup>st</sup> Floor, Deputy Commissioner Complex, Gate No. 3, Khyber Road, Peshawar Cantt:  
E-mail : [pdgroundwater.pesh@gmail.com](mailto:pdgroundwater.pesh@gmail.com) Phone No. 091-9212135

No. PDGW(MA)/Irr: Deptt:/GW/457-59

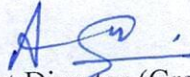
Dated 18 /09 /2023

To

1. Assistant Director (Web)  
Irrigation Department, Peshawar.
2. System Administrator  
Khyber Pukhtoonkhwa Public Procurement Regulatory Authority  
(KP-PPRA)  
House # 3F/1, Rahman Baba Road  
University Road, Peshawar.


Subject:- UPLOADING OF STANDARD BID DOCUMENTS ON WEBSITE

With reference to the Notice Inviting Tender/E-Bidding published in the press (INF(P)2141/23 as well as through the Irrigation Department and KPPRA websites on 02-09-2023, the Standard Bidding Documents including the Bill of Quantity (BoQ) and Specifications etc: are sent herewith in hard copy for uploading on your websites at earliest and before the closing date of 21-09-2023, please.

  
Project Director (Ground Water)

Copy forwarded to:-

1. Chief Engineer (Merged Areas), Irrigation Department, Peshawar.

  
Project Director (Ground Water)



GOVERNMENT OF KHYBER PAKHTUNKHWA  
**IRRIGATION DEPARTMENT**



**Standard Bidding Documents**  
(Single Stage Two Envelops)

**DIRECTORATE OF GROUND WATER**  
**IRRIGATION DEPARTMENT (MERGED AREAS)**  
**PESHAWAR.**

Name of Scheme:- 191984-110199-Potential of Ground Water & Surface Irrigation System in FATA (MA) (APD No. 2150/2023-24).

Sub Work Supply & Installation of Monitoring Equipments on 06 Nos. Deep Observation Wells Tribal Sub Division of Hassan Khel Peshawar, Darra Adma Khel Kohat, Wazir Bannu, Betanni Lakki, Darazinda D I Khan and FR Tank.

*Approved Revised PC-1 (4<sup>th</sup> Time) Cost :* **Rs. 175.153 M**  
Forum of Approval : PDWP  
Date of Meeting/Approval : 05-08-2022.  
Date of Administrative Approval issued : 13-09-2022.

Project Director (Ground Water)  
Irrigation Department (Merged Areas)  
Peshawar  
Phone No. 091-9212135

Project Director (Ground Water)  
(Merged Areas)  
Irrigation Department Peshawar





**DIRECTORATE of GROUND WATER**

**IRRIGATION DEPARTMENT**

**(MERGED AREAS)**

1<sup>st</sup> Floor, Deputy Commissioner Complex, Gate No. 3, Khyber Road, Peshawar Cantt:

E-mail : [pdgroundwater.pesh@gmail.com](mailto:pdgroundwater.pesh@gmail.com)

Phone No. 091-9212135

**NOTICE INVITING E-BIDDING**


Directorate of Ground Water, Irrigation Department (Merged Areas) invites Electronic Bids from the eligible firms/contractors having Registration with Pakistan Engineering Council (PEC) and Khyber Pakhtunkhwa Revenue Authority (KPRA)/KPPRA for the current financial year 2023-24 in the relevant category in accordance with KPPRA Procurement Rules 2014 on *single stage two envelopes* procedure for the following Sub Work of the Scheme:-

1	2	3
S. No.	Name of Scheme	Sub Work
1	191984-110199-Potential of Ground Water & Surface Irrigation System in FATA (MA) (ADP No. 2150/2023-24)	Supply & Installation of Monitoring Equipments on 06 Nos. Deep Observation Wells each for Tribal Sub Division of Hassan Khel Peshawar, Darra Adam Khel Kohat, Wazir Bannu, Betanni Lakki Marwat, Darazinda D I Khan and FR Tank.

Last Date, Time of submission of Tender	21-09-2023 at 1400 hrs.
Date, Time of opening	21-09-2023 at 1430 hrs.
Completion Period	As Per PC-1/Work Order.
Required Category of PEC License	As per cost offered.

**Terms & Conditions for E-Bidding**

1. In case of any situation beyond control, the bid will be opened on the next working day at the same time and place.
2. The contractors must prepare CDR @ 2% as bid security/earnest money for the amount offered by them as per BoQ in the name of Project Director (Ground Water), Irrigation Department (Merged Areas), Peshawar duly prepared from the Contractor's Account only.
3. All kind of applicable taxes will be deducted as per rules from the bills while making payments.
4. The rates quoted will be valid till finalization of the scheme.
5. Bidders must be authorized agents of the manufacturers.
6. The bids shall be submitted *Electronically* through E-Bidding on or before the above fixed date/time.
7. Only two digits after the decimal point shall be considered for evaluation purpose.
8. Payments will be made subject to availability of funds and satisfaction of work.
9. If the evaluated electronic bid costs of two or more bidders are equal, then the successful bidder will be declared through draw/toss.
10. CDR/Bid Security of 1<sup>st</sup>, 2<sup>nd</sup> & 3<sup>rd</sup> lowest bidder will be retained till approval of bid and issuance of Work Order to the successful bidder.
11. All KPPRA up-to-date notifications will be applicable.
12. Blacklisted contractors may not apply.
13. Bidders will train the Field Staff for operation of Auto Water Level Recorders and retrieval/extraction of data and also for other associating equipments.
14. Bidders, having past experience of the same nature work, will arrange presentation of the equipments whenever required.
15. Eligible firms/manufacturers are required to submit their bid in separate sealed envelopes marked as Technical and Financial proposals on or before the date fixed.
16. The Financial Bids opening date will be intimated to all technically qualified bidders after finalization of technical evaluation by the procurement committee.
17. Specifications, Bill of Quantity (BoQ) and Standard Bidding Documents (SBD) & conditions can be downloaded one day prior to the closing date from Irrigation Department website [www.irrigation.gkp.pk](http://www.irrigation.gkp.pk).
18. The advertisement is also available on Irrigation Deptt: website [www.irrigation.gkp.pk](http://www.irrigation.gkp.pk) and KPPRA web site [www.kppra.gov.pk](http://www.kppra.gov.pk) for E-Bidding procedure.

  
Project Director (Ground Water)  
Project Director (Ground Water)  
(Merged Areas)  
Irrigation Department Peshawar



Name of Scheme	Potential of Ground Water & Surface Irrigation System in FATA (MA) (ADP No. 2150/2023-24).
Sub Work	Supply & Installation of Monitoring Equipments on 06 Nos. Deep Observation Wells each in Tribal Sub Division Hassan Khel Peshawar, Darra Adam Khel Kohat, Wazir Bannu, Betanni Lakki, Darazinda D I Khan & Tank.

## Technical Specifications of Monitoring Equipments

### Monitoring Equipments

#### 1. Auto Water Level Recorder on Deep Observation Wells

i. TSD Hassan Khel Peshawar	=	01
ii. TSD Darra Adam Khel Kohat	=	01
iii. TSD Wazir Bannu	=	01
iv. TSD Betanni Lakki	=	01
v. TSD Darazinda D I Khan	=	01
vi. TSD Tank	=	01
Total	=	06

(All in one Compact and Integrated Auto Level Recorder with configuration and Operating Software)

#### Water level measurement

- Measuring range 0 ... 4 m, 10 m, 20 m, 40 m, 100 m
- Accuracy  $\pm 0.05$  % FS
- Long-term stability  $\pm 0.1$  % / year FS
- Resolution 0.001 m/0.1 cm/0.01 ft/0.1 inch/0.0001 bar/0.001 psi
- Units m, ft, inch, bar, psi, Pascal

#### Temperature measurement

- Measuring range  $-25$  °C ...  $+70$  °C
- Accuracy  $\pm 0.1$  °C
- Resolution 0.01 °C
- Units °C, °F

#### Conductivity measurement


- Measuring range 0 ... 2000  $\mu$ S/cm
- Accuracy  $\pm 1$   $\mu$ S/cm or  $\pm 0.5$  % of measured value (whichever is higher)
- Resolution 1  $\mu$ S/cm
- Units  $\mu$ S/cm, mS/cm
- Measuring range 0.1 ... 100 mS/cm
- Accuracy  $\pm 0.01$  mS/cm or  $\pm 1.5$  % of measured value (whichever is higher)
- Resolution 0.01 mS/cm
- Unit mS/cm
- Electrical data

#### Power supply

- Easily exchangeable battery
- Lithium type 1 x 3.6 V/26 Ah

#### Battery life

- (daily measurement, one transmission/week)
- Lithium battery (26 Ah) >3 years

  
 Project Director (Ground Water)  
 (Merged Areas)  
 Irrigation Department Peshawar



#### Modem

- Integrated Modem
- GSM/GPRS 900/1800, 850/1900 MHz
- GSM/GPRS; UMTS/HSPA+
- 900/1800, 850/1900 MHz; 800/850,
- 900, AWS 1700, 1900, 2100 MHz

#### Antenna

- Built-in; robust and weather-proof
- Communication interface Infrared (IrDA)

#### Data logger

- Built in data Logger
- Measured value memory 4 MB, approx. 500,000 measured values
- Sampling/storage interval 5 seconds ... 24 hours

#### Installation

- System Cable length 2.0 m ... 200 m  $\pm 1\%$   $\pm 5$  cm

#### Housing material

- Probe Stainless steel (DIN 1.4539, 904 L?)
- Communication unit Aluminum, PA-GF

#### Calibration Kit

- Calibration Kit

#### Environmental conditions

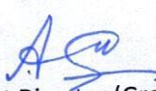
- Operating temperature -30 °C ... +85 °C
- Storage temperature -40 °C ... +85 °C
- Probe IP rating IP68
- Communication unit IP rating IP67

#### 2. Rain Gauge Ordinary

- Cylindrical Type (Steel)
- Complete with Rain Gauge Cylinder 100 mm and Funnel

#### 3. Protection steel cabin with civil works on observation wells equipment.

- 2x0.75X1 meter in size made of steel

  
Project Director (Ground Water)

Project Director (Ground Water)  
(Merged Areas)  
Irrigation Department Peshawar





**DIRECTORATE of GROUND WATER**  
(MERGED AREAS)  
**IRRIGATION DEPARTMENT**

1<sup>st</sup> Floor, Deputy Commissioner Complex, Gate No. 3, Khyber Road, Peshawar Cantt:  
E-mail: [pdgroundwater.pesh@gmail.com](mailto:pdgroundwater.pesh@gmail.com) Phone No. 091-9212135

Name of Scheme:- 191984-110199 Potential of Ground & Surface Irrigation System in FATA  
(MA) (ADP No. 2150/2023-24)

Sub Work:-

Supply & Installation of Monitoring Equipments on 06 Nos. Deep  
Observation Wells Tribal Sub Division of Hassan Khel Peshawar, Darra  
Adma Khel Kohat, Wazir Bannu, Betanni Lakki, Darazinda D I Khan and FR  
Tank.

**Bill of Quantity**  
(BoQ)

S. No.	Item	Unit	Quantity	Cost Per Unit/No. (Rupees)	Total Amount
1	2	3	4	5	6
3	Auto Water Level Recorder on Deep Observation Wells	No.	06		
5	Rain Gauge Ordinary	No.	06		
6	Protection Steel Cabin with Civil Works on Observation Wells' Equipments	No.	06		

Note:- All Govt. taxes, if any, will be applicable.

I have offered the rates after perusal of all the terms and conditions regarding the above items/tender:-

Project Director (Ground Water)  
*[Signature]*  
Project Director (Ground Water)  
(Merged Areas)  
Irrigation Department Peshawar

Signature

Name of Contractor/Authorised Agent

CNIC No.

Contact No.

CDR No.

Date

Amount

Name of Company/Firm