GOVERNMENT OF KERALA

IRRIGATION DEPARTMENT

JOINT DIRECTOR, CM&FE, KERI, PEECHI.

e-Government Procurement (e-GP) NOTICE INVITING TENDER

No. DB3/771/2025-26 Dated: 09.10.2025

E-TENDER NO. 03/JDCMFE/2025-26

The Joint Director, Construction Materials &Foundation Engineering Division, KERI Peechi,for and on behalf of the Governor of Kerala invites online bids from the registered bidders of Irrigation Department / PWD for the following work.

1	Name of work	Upkeep and Routine Activities of SM Lab 2025-26– **Plaxis 2D Training**
2	Earnest Money Deposit (EMD)	Rs 1000/- (e-payment only)
3	Tender Submission Fee	Rs. 560/- (e-Payment only)
4	Period of completion	01-03-2026
5	Classification of Bidder	Authorized Trainers
6	Tender documents	Can be downloaded from e-GP Website www.etenders.kerala.gov.in
7	Document down load date	09.10.2025. 6.00PM
8	Document clarification period if required	NA
9	Online bid submission starting date	09.10.2025. 6.00PM
10	Online bid submission closing date	16.10.2025, 6.00 PM
11	Last date and time of receipt of relevant document as mentioned (NIT) by speed post	21.10.2025 2.00PM
12	Date and time of opening of online tender bid	21.10.2025,2.30 PM

Tender documents and tender schedule may be downloaded free of cost from the e-GP Website www.etenders.kerala.gov.inThe bid submission fee and EMD shall be remitted online as per e-tendering process.

All bid / tender documents are to be submitted online on the e-GP website. Tenders / bids shall be accepted only through online mode on the e-GP website and no manual submission of the same shall be entertained. Late tenders will not be accepted.

. The scanned copy of the Preliminary Agreement in Kerala stamp paper worth **Rs.220/-** duly filled and signed by the bidder shall also be submitted online. More details on EMD & cost of tender documents / bid submission fee are mentioned in the SBD. The bids shall be opened online at the office of the ***Joint Director, Construction Materials & Foundation Engineering Division, KERI Peechi***,at the above mentioned date and time by the ***Joint Director, Construction Materials & Foundation Engineering Division, KERI Peechi***, in the presence of the Bidders or their authorized representatives who are present at the time and venue. If the tender opening date happens to be on a holiday or non-working day due to any other valid reason, the tender opening process will be done on the next working day at the same time and place.

Tenders received online and the original received by post (except bid), without the necessary documents mentioned above will not be considered and shall be summarily rejected. Further details can be had from the Office of the ***Joint Director, Construction Materials & Foundation Engineering Division, KERI Peechi***, during working hours.

The firm period of the tenders shall be 60 days from the due date of submission of bid.

The bidder is advised to submit the bids well before the stipulated date & time to avoid any kind of network issues, traffic congestion, etc. In this regard, the department shall not be responsible for any kind of such issues faced by bidder. All other existing conditions related to the tenders of Kerala PWD / Irrigation Department will be applicable in this tender also.

Technical Specifications:

PLAXIS 2D Training Syllabus

1. Overview of PLAXIS 2D Interface
    - Project setup

2. Soil Modelling
    - Soil layer definition
    - Borehole generation
    - Material models.

- Assigning properties to soil clusters

3. Structural Modelling
   - Elements: Plates, geogrids, anchors, interfaces

4. Meshing
   - Types of meshes: Coarse, medium, fine

5. Flow Conditions

6. Staged Construction
   - Activation/deactivation of elements
   - Time-dependent analysis

7. Result Processing
   - Viewing stresses, displacements, safety factors
   - Plotting and interpreting results

TUTORIAL PROBLEMS

1. Settlement of footing
   - Focusing on analyzing how soil deforms under the load of a foundation.

2. Stability
   - Introduction to slope failure mechanisms
   - Factor of Safety (FOS) determination

3. Flow through an embankment
   - To analyze groundwater flow through an embankment.

4. Submerged construction of an embankment
   - Simulates the staged excavation process, considering factors like soil behavior, water pressure, and structural interactions.

5. Shallow foundation- Pad footing
   - Involves simulating a single isolated foundation element (like a square or rectangular footing) under structural loading.

6. Determination of ultimate bearing capacity of strip foundationresting on dense sand

7. Numerical analysis of pile group foundation

8. Modelling of piled raft foundation

9. Retaining wall analysis

- The payment shall be done only after Training

- Minimum 1 year Technical Support to be provided by the Training Agency

JOINT DIRCETOR
Construction Materials & Foundation Engineering Division, KERI Peechi,
(For and on behalf of Governor of Kerala)

Signature Not Verified
Digitally signed by GEETHA E S
Date: 2025.10.09 12:24:48 IST
Location: Kerala-KL