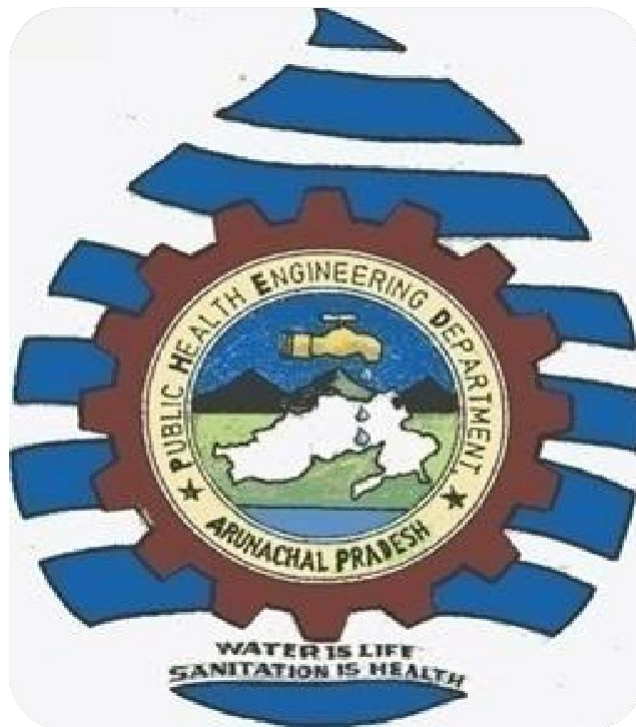


EXPRESSION OF INTEREST (EOI)
FOR
Services of a Consultancy Organization
To
Provide full consultancy service for the project

“Augmentation of Water Supply at Hayuliang Township”



**PHE & WS DIVISION, HAWAI
ANJAW DISTRICT (A.P.)**

September 2025

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1. TEXT OF ADVERTISEMENT:

**GOVERNMENT OF ARUNACHAL PRADESH
OFFICE OF THE EXECUTIVE ENGINEER: PHE & WS DEPARTMENT
DIVISION: HAWAI**

No. HD/PHE/IoT(P)/2025-26/

Dated Hawai the 26th September/2025.

EXPRESSION OF INTEREST

On behalf of the Governor of Arunachal Pradesh the undersigned invites application from credible and reputed firms having experience in water supply and sewerage works for complete consultancy services for the proposed project **“Augmentation of Water Supply at Hayuliang Township”**.

The EOI document containing details of qualification criteria, submission requirement, brief objective & scope of work and the evaluation criteria etc. may be obtained w.e.f 1000 Hrs onwards of 29th Sep'2025 upto 1700 Hrs of 6th Oct'2025 from the office of the undersigned.


Sd/-
Executive Engineer,
PHE & WS Division, Hawai

Memo No. HD/PHE/IoT(P)/2025-26/

Dated Hawai the 26th September/2025.

Copy to:

1. The Chief Engineer (E/Z) PHE & WS Department, Namsai for kind information please.
2. The Superintending Engineer, PHE & WS Circle, Tezu, for kind information please.
3. PA to The Deputy Commissioner, Anjaw District, for information please.
4. Office copy.


Executive Engineer,
PHE & WS Division, Hawai

2. BACKGROUND:

The Government of Arunachal Pradesh envisioned providing adequate and sustainable drinking water supply to all urban townships. In tune to this vision, the Public Health Engineering & Water Supply Department (PHE&WSD), Government of Arunachal Pradesh plan to augment the drinking water supply and sewerage system of Hayuliang Township. Accordingly, the division has taken proactive steps for preparation of a comprehensive project report in order to obtain administrative approval and expenditure sanction. The main motive behind this approach is to ensure uninterrupted water supply at the required rate and quality conforming to BIS:10500 standards and to develop a sewerage disposal system to carry, treat and safe disposal of the grey water / sullage of Hawai Township while being powered by state of the art and energy efficient operating system.

3. SCOPE OF THE CONSULTANCY SERVICE:

The consultancy services ("Services") broadly include:

- i) Detailed survey.
- ii) Preparation of detailed estimate.
- iii) Planning, hydraulic and structural design & analysis of components.
- iv) Preparation of detailed working estimate.
- v) Preparation of detailed drawings.
- vi) Monitoring, support and hand holding during execution of the project.

The successful bidder shall prepare the Detailed Project Report for "**Augmentation of Water Supply at Hayuliang Township**". The scope of work is elaborated in details in the **Terms of Reference at Annexure-I**

4. ISSUE OF EOI DOCUMENT:

The EOI document can be obtained from the Office of the Executive Engineer, PHE & WS Division, Hawai on working days w.e.f **1000 Hrs of 29th September' 2025 upto 1700 Hrs of 6th Oct' 2025** on payment of Rs 500/- in cash (non-refundable) being the cost of documents.

5. EOI PROCESSING FEES:

A non-refundable EOI processing fee for **Rs. 2000/-** (Rupees Two Thousand Only) in the form of cash or a Demand Draft or a Pay Order drawn in the favour of "**The Executive Engineer, PHE & WS Division Hawai**" may be submitted along with the EOI response.

6. VALIDITY OF EOI

The offer for EOI as per this document shall be valid for a period of 90 (ninety) days initially from the date of notification which may be extended further if required by the department.

7. PARTICULARS OF EXPRESSION OF INTEREST (EOI) DOCUMENT:

SI No.	Particulars	Remarks
1.	Start date for issue of EOI	1000 Hrs of 29 th Sept'2025 upto 1700 Hrs of 6 th Oct'2025
2.	Last date for submission of EOI	1200 Hrs of 9 th Oct'2025
3.	Date for opening of EOI	1100 Hrs of 10 th Oct'2025
4.	Venue for submission and evaluation of EOI	O/O The Executive Engineer PHE & WS Division, Hawaii, Arunachal Pradesh

8. TERMS OF REFERENCE:

The detailed terms of reference are enclosed at **Annexure I**

9. INSTRUCTIONS TO THE CONSULTANTS:

The Expression of Interest is to be submitted in the manner prescribed below: -

- i) Applicants Expression of Interest as per Format – I
- ii) Organizational contract details as per Format – II
- iii) Experience of the organization as per Format – III
- iv) List of three (3) key person/consultants on the payroll as per Format – IV
- v) Financial strength of the company as per Format - V
- vi) Additional information as per Format – VI
- vii) Declaration as per Format – VII
- viii) Power of attorney in favour of the Authorized Signatory with long and shortsignatures of the authorized person.

10. QUALIFICATION CRITERIA:

Following will be the minimum pre-qualification criteria. Eligible consultant should possess all the following pre-qualification criteria. Responses not meeting minimum pre-

qualification criteria will be rejected and will not be evaluated.

Sl. No.	Pre-qualification Criteria	Supporting Compliance
1	The applicant shall be a firm company/ Copy partnership/ proprietorship firm registered under the Indian Companies Act, 1956 the partnershipAct, 1932	Copy of Certificate of incorporation
2	The firm should be in the business of providing similar consultancy services for at least 03 years as on 31/03/2025	Self-Declaration on Company Letterhead of the Bidder's Organization
3	The Bidder has to be profitable and should not have incurred loss in any of the last 3 consecutive Financial Years (FY 2021-22,2022-23 & 2023-24)	Format-5 to be certified & validated by Chartered Account (CA) of thebidder's organization
4	The Bidder should have an annual turnover of not less than Rupees 40 Lakh in each of the last 3years.	CA certified document with name of CA registration number, signature and stamp
5	The Bidder should have experience ofproviding: a) Three similar completed consultancy services to Central Govt./State Govt./PSUs/Govt bodies in India costing not less than Rs 15 Lakh each or, b) Two similar completed services costing not less than Rs.20 lakhs each or, c) One similar completed service costing not less than Rs.30 lakh.	Copy of Work Order/ Contract agreement
6	The consultancy firm should have at least 03 full time consultants on its pay rolls	Self-Declaration on Company Letterhead of the Bidder's Organization
7	The firm should not have been blacklisted by any Central Govt./State Govt./PSU/Govt. Bodies	Self-Declaration on Company Letterhead of the Bidder's Organization
8	PAN /GST Registration Certificate	Copy of Certificate to be enclosed.

11. EVALUATION CRITERIA AND METHOD OF EVALUATION:

- i) Screening of EOIs shall be carried out as per eligibility conditions mentioned in this document and based on verification of testimonials submitted.
- ii) EOI will be evaluated for short listing inter alia based on their past experience of handling similar type of project, strength of their man power, financial strength of firm and presentation/proposal to the selection committee, whose decision will be final.
- iii) Preference will be given to agency/organization having prior experience in rendering complete consultancy services to similar type of project.
- iv) PHE & WSD will take up references and reserves the right to pay due heed to the Bidder's performance elsewhere and any past experience from PHE & WSD.
- v) The price bids of only those agencies who have qualified the above-mentioned criteria shall be evaluated.

12. RESPONSE:

- i) Bidders must ensure that their Bid response is submitted as per the formats attached with this document. Special comments on the objectives and scope of the service projected in the enquiry may also be submitted along with the offer.
- ii) Application in sealed cover super scribed, as "**EOI for Engagement of Consultant for the proposed project Augmentation of Water Supply at Hayuliang Township.**"
- iii) Application received after the last date and time for submission shall be summarily rejected.

13. CONFLICT OF INTEREST:

- i) Where there is any indication that a conflict of interest exists or may arise, it shall be the responsibility of the Bidder to inform PHE & WSD, detailing the conflict in writing as an attachment to this Bid.
- ii) PHE & WSD will be the final arbiter in cases of potential conflicts of interest. Failure to notify PHE & WSD of any potential conflict of interest will invalidate any verbal or written agreement.
- iii) A Conflict of Interest is where a person who is involved in the procurement has or may be perceived to have a personal interest in ensuring that a particular Bidder is successful. Actual and potential conflicts of interest must be declared by a person involved in a Bid process.

14. CONDITION UNDER WHICH EOI IS ISSUED:

- i) The EOI is not an offer and is issued with no commitment. PHE & WSD, Hawai, reserves the right to withdraw EOI and or vary any part thereof at any stage. PHE & WSD, Hawai, further reserves the right to disqualify any bidder, should it be so necessary at any stage.
- ii) The successful consultancy firm shall work on and submit the DPR for **“Augmentation of Water Supply at Hayuliang Township”**.
- iii) Payment will be made as per CPWD norms on completion of work and accord of Administrative Approval and Expenditure Sanction of the proposed DPR by the government of Arunachal Pradesh.



Executive Engineer,
PHE & WS Division, Hawai

FORMAT-1

APPLICANT'S EXPRESSION OF INTEREST

To,

The Executive Engineer,
PHE & WS Division,
Hawai.

Sub: **Submission of Expression of Interest to render complete consultancy service for the proposed project “Augmentation of Water Supply at Hayuliang Township”**

Dear Sir,

In response to the Invitation for Expressions of Interest (EOI) published on for the above purpose, we would like to express interest to carry out the above proposed task. As instructed, we attach 2 sets of the following documents in separately sealed envelopes and onesoft copy:

1. Organizational Details (Format-2)
2. Experience in related fields (Format-3)
3. List of experts/consultants on payroll at least 3 (Format-4)
4. Financial strength of the organization (Format-5)
5. Additional information (Format-6)
6. Declaration (Format-7)

Yours sincerely,

Enclo: As Stated

Name & Signature
Name of Organization
with seal

****Note:** This is to be furnished on the letter head of the organization.

FORMAT-2

Sl. No	Particulars	Details
1	Name of Organization	
2	Main areas of business	
3	Type of Organization Firm/ Company/ partnership firm registered under the Indian Companies Act, 1956/ the partnership Act, 1932	
4	Whether the firm has been blacklisted by any Central Govt./State Govt./PSU/ Govt. Bodies/Autonomous? If yes, details thereof	
5	Address of registered office with telephone no. & fax	
6	Address of offices	
7	Contact Person with telephone no.& e-mail ID	

Enclose:

1. Copy of Certificate of Incorporation.
2. Copy of Article of Association in respect of 3 above.
3. Undertaking in respect of 4 above.

Signature of the applicant
Full name of the
applicantStamp & Date

FORMAT-3

EXPERIENCE IN RELATED FIELDS				
Overview of the past experience of the Organization in all aspects related to Brand Building related				
Sl. No	Items	Number of Assignments	Order Value of each assignment in Lakhs of Rs. (Enclose copy of each order)	Mention the name of Client/Org. (Enclosed completion certificates)
1	Experience of assignments of similar nature			
1.1	Experience in carrying out similar assignment in Government			
1.2	Experience in carrying out Similar assignments in public sector			
	<p>Decision of Evaluating Committee in ascertaining “similar nature” and “similar assignment” will be final.</p> <p style="text-align: right;">Signature of the applicant</p> <p style="text-align: right;">Full name of applicant</p> <p style="text-align: right;">Stamp & Date</p>			

FORMAT 4

LIST OF KEY PERSON/CONSULTANTS ON PAYROLL (MINIMUM 3)				
SI No.	Name	Designation	Qualification	Relevant Experience
1				
2				
3				
4				
5				
6				

Signature of the applicant,
Full Name of the applicant,
Seal and Date

FORMAT-5

FINANCIAL STRENGTH OF THE ORGANIZATION					
Sl. No.	Financial year	Whether profitable eYES/NO	Annual net profit (Rs.in lakh)	Overall annual turnover (Rs. In Lakh)	Annual turnover from only Consultancy services rendered in India (Rs. In Lakh)
1	2021-22				
2	2022-23				
3	2023-24				

Note: Please enclose auditor's certificate in support of your claim.

Signature of the applicant

Full name of applicant

Stamp & Date

FORMAT-6

ADDITIONAL INFORMATION		
1. List all enclosures related to the previous sections.		
Sl No.	Description	No. of pages
2. Additional information to support the eligibility as per Section 10 (Not more than 2pages).		
Signature of the applicant's		
Full name of applicant		
Stamp & Date		

**FORMAT-7
DECLARATION**

We hereby confirm that we are interested to compete for rendering consultancy service for the project **“Augmentation of Water Supply at Hayuliang Township.”**

All the information provided herewith is genuine and accurate.

Authorized person's
signatureName &
Designation:
Date:

****Note:** This declaration is to be furnished on the letter head of the organization.

ANNEXURE-I

(Terms of References)

1. PROJECT AREA, BACKGROUND AND POTENTIAL:

Hayuliang (28.062885°N 96.548023°E) is a town and the headquarters of an eponymous subdivision in the Anjaw district in the north-eastern state of Arunachal Pradesh, India. It is on the bank of the Lohit River near the confluence of the Delei River. The Hayuliang subdivision, administered by an additional divisional commissioner (ADC), covers the entire Delei River basin including the Hayuliang Circle, Metengliang Circle, Goiliang Circle and the Chaglagam Circle. It is divided into two community development blocks, the Hayuliang–Goiliang block and the Chaglagam block. The region is populated by Mishmis, who speak Digaro Mishmi and Kaman Mishmi languages.

Presently Hayuliang is facing acute water Supply due to old water infrastructure. The components of existing water supply scheme such water treatment plant and distribution system are inadequate to supply the increased water demand. There are considerable leakages in the distribution system and due to old GI pipes. Also, some pipes were laid haphazardly with the increasing population. The existing distribution system of GI pipes are old of which C-value has been deteriorated causing low hydraulic carrying capacity. Hence, the present water supply situation in Hayuliang area is quite challenging. All this has resulted to adopt an augmentation scheme for Hayuliang water supply. So, considering all the above factors and in order to prevent Hayulinag township from becoming water deficit, a comprehensive project for 2.73MLD is urgently required to address the drinking water crisis issues.

The raw water shall be collected from Grey Nala at RL of 1165m of MSL Coordinates- 28.094948°N, 96.467455°E and will be conveyed to Water Treatment Plant. The raw water will then be passed through Sedimentation Tank-Aerator-Parshall Flume & Flush Mixer-HRSCC-Pressure Filter-CWR, followed by Chemical process bacteriological disinfection. Along with the treatment plant, there shall be a SCADA system for complete monitoring & controlling & DMA based distribution system.

2. PROJECT OBJECTIVE:

The objective of the proposed water supply project in Hayuliang is to ensure safe, adequate, and reliable drinking water for all residents through the development of a sustainable and efficient water supply system. The project aims to improve water intake, treatment, storage, and distribution infrastructure, reduce water losses, and ensure equitable access, especially for underserved areas. It also promotes public health by reducing reliance on unsafe water sources. Additionally, the project supports long-term water management, aligning with the CPHEEO-2024 Manual and contributing to the overall development of Hayuliang.

3. BENEFITS:

The scheme if implemented will benefit futuristic (design) population of 13610 Souls. The quantity and quality of water supply will increase to large extent fulfilling the water demand of the township including the floating population. Daily per capita water availability is expected to increase from the current 40–50 LPCD to 135 LPCD, aligning with CPHEEO norms The project will

also help in reduction of water borne diseases and health related expenses thereof. This will thereby contribute towards enhancing the physical efficiency of the people and also the purchasing power of the people. Non-revenue water is expected to reduce by 30% through leak detection and metering, improving operational efficiency. Additionally, long-term sustainability will be supported through community engagement and capacity building of local bodies.

4. ECONOMIC PARAMETERS:

Providing access to adequate potable water is a vital component of infrastructure development. The local economy primarily depends on small-scale industries, agriculture, horticulture, weaving, and handicrafts—occupations that form the backbone of livelihood for the population. Implementing a reliable water supply scheme will not only enhance the quality of life but also contribute to increased productivity and overall socio-economic development of the region.

5. PROPOSED WTP SITE:

- Coordinates : 28° 4'51.53"N 9 96°28'27.80"E
- Altitude : 837 of MSL

6. SOURCE OF WATER:

Post	Source Name	Source Type	Number of Bore well
Proposed	Grey Nala	Gravity	

7. DETAILS OF THE COMPONENTS OF WATER SUPPLY SYSTEM:

Proposal in DPR

1. Proposed Main Feature of WTP:

- Head Work
- Pre-Sedimentation Tank
- Cascade Aerator
- Sedimentation tank
- Flash mixer
- Clariflocculator
- UGR
- Pressure filtration system

- Elevated Zinc Alum Tanks in steel staging for MBR and Zonal tanks
- **SCADA Automation for Controlling of WTP, Distribution Management System (DMS) and Outage Management System (OMS)**
- Transmission & Distribution Pipeline.
- Hydro Electric Power Plant
- Office & Staff Quarter
- Pathways, Drain & Boundary Wall etc.

8. POPULATION PROJECTION & WATER DEMAND

The design population is computed by the taking the average of Arithmetical progression, Incremental increase and Geometrical increase. The water demand is calculated @ 135 LPCD with addition of 5% for fire demand, 2% for line losses and 3% for backwashing. 100% FHTC will be provided.

POPULATION PROJECTION & WATER DEMAND					
Sl No.	Period	Year	Population of Hayuliang Township	Water Demand @ 135 LPCD (MLD)	Shortfall (MLD)
1	Commissioning	2028	7195	1.66	
2	Intermediate	2043	8834	1.92	
3	Ultimate	2058	13610	2.73	

9. PROJECT DETAILS

SL NO	PROJECT DETAILS	
1	Name of the project	Preparation of DPR for Augmentation of Water Supply at Hayuliang Township
2	Population to be covered	Commissioning 2028: 7195 Intermediate 2043: 8834 Ultimate 2058: 13610
3	Water demand	Commissioning 2028: 1.66 MLD Intermediate 2043: 1.92 MLD Ultimate 2058: 2.73 MLD

4	Time frame	2 Years
	Preparation of DPR, AA&ES, tendering	
	Execution	
	Commissioning	
5	Type of water supply	Gravity
7	Power	Hybrid
8	Tentative project cost	60.00 cr (may vary as per detail estimate)
9	Consultancy cost	AS per CPWD norm

10. SCOPE OF WORK

The appointed consultant would be required to prepare the detailed project report for the work **Augmentation of Water Supply at Hayuliang Township**. He shall carry out the following activities including but not limited to:

- Site investigation for the water supply project including topographical and sub-soil / geo-technical investigation (geo-physical and rock analysis) to ensure the surface and foundation conditions for location of treatment plant, overhead tanks and pipeline.
- Hydro geologic survey to determine the location, depth and yield of raw water source using hydro geomorphological map and trial bore well. Proposal and selection of source based on determined lithology information [Layer Chart & yield test report of the tube wells and hydro geological maps]. Geological mapping with Google earth.
- Detail survey,
- LiDAR and drone mapping
- Techno Feasibility Study (i.e. examination, exploration, inspection, investigation, observation) for selection of the best technically suitable alignment for main and distribution pipeline, sewer line network. This includes detail survey, contour mapping, traversing with Total Station and layered Google Street mapping of the town to determine node point's elevation and coordinates, offset charts, fixing bore well sites, treatment plant and zonal tank size and location, area marking of distribution district, bulk water transfer, distribution network plan to cater every households and institution.
- Water quality analysis of raw water and proposal for best technological intervention/treatment option for removal of contaminants.
- Source sustainability study including catchment area mapping and proposal for protection. Ground water recharge and rain water harvesting.
- Mapping suggestion for capacity building of communities, support activities, IEC, HRD training, development utilities, water quality laboratory testing & surveillance for sustainable water supply

- Proposal for retrofitting of existing infrastructure to prolong design life and provide FHTCs at minimum service level of 135 LPCD to designated district.
- Proposal for grey water management for Hawai Township including survey, design and drawing for conveyance system, waste water treatment plant, viability of biosolids and effluent monetization, safe disposal.
- Green power proposal. Solar/ wind power harnessing for project requirement.
- Value addition proposal in the drinking water and Sewerage treatment plant area for harnessing the tourism potential and revenue generation.
- Selection of source of materials. Specification and quality control. Estimation and costing of quantities based on design and specification of CPHEEO manual, BIS code, APPHE/PWD SoR and/or analysis rates.
- Proposal for automation and quality monitoring in construction and post construction operation and maintenance. Incorporation of SCADA, DMS, OMS, IoT and RMS. Introduction of latest and innovative technology for best-in-class product.
- Preparation of bid documents including NIT, General Condition of contract, Particular Conditions of contract, Terms of reference, contract agreement, good for tender and proof-checked good for construction design and drawings etc.
- Monitoring support and hand holding during execution of project including providing addition data as per SOS requirement.
- Proposal showing details of merits, demerits & site challenges for each source, sites, alignment, construction technology and treatment methodology suggesting details of therewith preferred option & reasons thereof.
- The project information given in EoI is indicative except population forecast & water demand. Applicants are required to have complete know how of the project area and its challenges and assess the most optimum alignment, source selection, location of treatment plant, zonal tank, disposal point, technology to be adopted and civil construction cost.
- The final decision on the type of water supply and sewerage disposal system to be implemented remains with the department. Inputs received from EOI applicants would be examined while finalizing the system.

11.SPECIFICATION

The work shall be carried out as per specification of CPWD works manual and CHPEEO Guidelines with up to date amendment.

*****End*****