

ବିଜ୍ଞାପିତ ଅଂଚଳ ପରିଷଦ କାର୍ଯ୍ୟାଳୟ, ତରଭା

ଜିଲ୍ଲା - ସୁବର୍ଣ୍ଣପୁର

NOTIFIED AREA COUNCIL, TARBHA

Dist. - Subarnapur, Odisha 767016

nactarbha@gmail.com

No. 1787 / Date 24/09/2026

DETAILED QUOTATION CALL NOTICE

Sealed quotations in Double Packets System (Technical Bid & Financial Bid) are hereby invited from the eligible Registered Company/ Firms / Agencies/ Contractors having Experience in Similar Nature of Works for Execution of the following works under Engineering, Procurement & Construction (EPC) Mode Contract for Tarbha NAC. The Bid Document shall be available for downloading from the website of NAC Tarbha www.tarbhanac.in/ website of Subarnapur District Portal www.subarnapur.nic.in or from Office of the NAC, Tarbha from **25.09.2026 10.30 AM to 07.10.2026 up to 05:00 PM**. The intending Bidder are to submit copies of valid Registration Certificate from competent authorities of the State Govt./PSU organization and PAN Card along with Experience Certificate in Similar Nature of Works and **Tender Fee of Rs.10000/-** in shape of **Bank Draft** drawn in favour of Executive Officer, N.A.C Tarbha with their Bid, failing which their bid shall not be taken into consideration. The Quotations should be received through Speed Post/ Registered Post/ Courier/ by Hand to N.A.C Tarbha, Dist. Subarnapur on or before **08.10.2026 by 05.00 P.M.** and the same will be opened on **09.10.2026 at 11.30 AM** in presence of the quotationers or their authorized representatives. The authority will not be held responsible for any postal delay, if any, in the delivery of the documents or non-receipt of the same. The authority reserves the right to reject any or all the tenders without assigning any reason thereof.

1. Name of the Works: -

PART 1: Installation & Commissioning of IT Enabled Day and Night Illuminated LED Acrylic lucrative Entry/Exit and Peripheral Technological Beautification of an Open space with LED Acrylic display of SeTP Tarbha, on Engineering, Procurement & Construction (EPC) Mode Contract.

PART 2: Installation & Commissioning of IT Enabled Day and Night Illuminated LED Acrylic lucrative Entry/Exit and Peripheral Technological Beautification of an Open space with LED Acrylic display of Wealth Centre, Tarbha, on Engineering, Procurement & Construction (EPC) Mode Contract.

PART 3: Installation & Commissioning of Day and Night Illuminated Advertisement Display Board for Tarbha NAC, on Engineering, Procurement & Construction (EPC) Mode Contract.

2. Important Dates

- Cost of Tender Paper : 10,000/- (Non-Refundable)
- Cost of EMD : 1% of the total Project Cost (exempted if UDYAM/ MSME Registered Firm)
- Starting Date of Sale of DQCN: 11.09.2026 from 10.30 A.M.
- Closing Date of Sale of DQCN: 28.09.2026 Up to 1.00 P.M.
- Last Date of Receipt of DQCN: 28.09.2026 Up to 5.00 P.M.
- Date of Opening of Technical Bid: 29.09.2026 at 11.30 A.M.
- Date of Opening of Financial Bid: To be intimated later to technically qualified bidders

3. Eligibility Criteria & Pre-Qualification Requirements (PQR)

3.1 Organizational Eligibility

1. The Bidder shall be a reputed Engineering Organization having valid PAN, GST registration and experience in successful execution of similar complete turnkey projects, as required. The bidder should have adequate technical reach with skilled manpower, tools, plant & equipment.
2. The bidder should be accredited with **ISO 9001:2015 Certification**.
3. The bidder should have existing local office in western Odisha to address the issues immediately reported, if any.

3.2 Financial Capacity

1. Minimum turnover **₹ 5.00 Crores** during last financial year.
2. Start-up India / Start-up Odisha / MSME (UDYAM) bidders are relaxed to minimum turnover **₹ 1.00 Crore** during last financial year.
3. Audited financial statements certified by Chartered Accountant must be submitted.

3.3 Work Experience

1. Experience must include end to end execution and completion of minimum of 5 Entry/ Exits during last 3 years including design, consultancy, civil foundation, structural fabrication and IT Enabled with LED Acrylics of Graphics display of Entry/Exits, experiences are mandatory of any PSU/Govt./Corporates.
Work Orders and Completion Certificates must be submitted.
2. Work orders of any Special effects, artifacts of any city beautification projects, Internal signages, External displays, advertisement stuffs, LED acrylic graphic displays, and any such public displays, totaling **₹ 3.00Crores** during last financial year. Relaxation for MSME / Startup: **₹ 1.00 Crores** during last financial year.
3. Corporate experience with financial justifications must be supported with **Form-26AS and CA certificates**.

3.4 Additional Requirements

1. Submission of **2D & 3D design concepts**.
2. Mandatory **Site Visit Certificate** to be obtained from the authority of Tarbha N.A.C.
3. Declaration of **not Blacklisted**.
4. Preference to **Startup / MSME Registered Firms**.
5. The eligible bidder shall have produce the Technical Presentation to the Authorities followed by : Technical Scrutiny, The Party Securing at least 03 Points out of 05 shall be qualified.

4. Earnest Money Deposit (EMD)

1. EMD shall be **1% of quoted value** in shape of Demand Draft / Bank Guarantee in favour of Executive Officer, Tarbha N.A.C.
2. UDYAM/ MSME bidders may claim exemption as per Government norms.

5. Scope of Work (EPC Mode)

The scope includes but is not limited to:

- a) Design & structural analysis
- b) Fabrication & supply
- c) Civil foundation & mounting structures
- d) Electrical works & accessories
- e) LED acrylic works using Module LEDs, SMPS and timers for automatic operation.
- f) Installation, testing & commissioning
- g) Transportation, labour, tools & tackles, Scaffolding
- h) Finishing works
- i) Maintenance during defect liability period of 12 months.

Material Test Certificates from original manufacturers shall be submitted before starting of the work.

6. Time of Completion

The work shall be completed within **90 Days** from date of Work Order.

7. Defect Liability Period

12 Months from date of successful commissioning.

8. Submission of Bid (Two Bid System)

Packet-1: Technical Bid

- a) Tender document cost
- b) EMD / Exemption certificate
- c) PAN
- d) GST
- e) Registration certificate
- f) ISO Certificate
- g) Financial Statements
- h) Experience Certificates
- i) Completion Certificates
- j) Technical Proposal & Design
- k) Site Visit Certificate
- l) Declaration Certificate
- m) Any other Documents

Packet-2: Financial Bid

Price Bid / BOQ duly signed and sealed.

9. Financial Bid Instructions

1. Financial Bid shall contain only price information.
2. Rates shall be inclusive of all materials, labour, transportation, installation, CESS and incidental charges.

3. GST shall be shown separately.
4. Price shall be quoted **PART-wise (Job Basis)**.
5. Financial Bid shall include:
 - a) Cover Page with bidder details
 - b) Price Schedule / BOQ
 - c) Total Cost with GST
 - d) Amount in Words
 - e) Signature & Seal

10. Evaluation Method

1. Technical Bid will be evaluated first.
2. Financial Bid of technically qualified bidders will be opened.
3. Lowest evaluated bidder (L1) will be considered for award.

11. General Conditions of Contract

1. Quotation validity: **60 days**.
2. Agreement shall be executed in N.A.C format.
3. Rates shall remain firm (no escalation).
4. Materials shall be inspected by Engineer-in-Charge.
5. Rejected materials shall be removed within 24 hours.
6. Payment shall be made after completion subject to fund availability though Running bills allowed.
7. Photographs before, during and after completion shall be submitted.
8. Security Deposit @ **3%** shall be deducted and released after audit clearance, exemption may be applicable as per Govt. Norms.
9. Work shall be completed within stipulated time failing which penalty shall apply.
10. OPWD Code provisions shall apply.
11. Engineer-in-Charge may alter specifications during execution.
12. Excess payment detected shall be recovered.

12. Authority Rights

The undersigned reserves the right to:

- a) Accept or reject any or all quotations without assigning reasons
- b) Modify scope as per requirement
- c) Cancel the process at any stage

13. Assumptions / Special Conditions

The following assumptions shall be considered as part of the contract conditions:

a) Power Supply

Electrical power required for execution of the work shall be provided by Tarbha N.A.C at site.

b) Water & Utility Support

Water connection and electricity required during execution shall be arranged and provided by Tarbha N.A.C.

c) Time of Delivery

The complete work shall be delivered and commissioned within **12 (Twelve) weeks** from the date of receipt of Purchase Order / Work Order by the successful bidder.



d) **Hospitality Support**

Tarbha N.A.C shall arrange necessary local hospitality and coordination support for technical specialists deputed from other locations during execution, wherever required.

e) **AMC Scope Exclusion**

Physical damages caused due to natural calamities such as heavy wind, storm, lightning, cloud burst, theft, vandalism, or other external factors shall not be covered under Annual Maintenance Contract (AMC).

Further, garden watering and horticulture maintenance are not included in the AMC scope.

f) **Project Management Responsibility**

Overall project management, coordination with local authorities, and administrative facilitation shall lie with Tarbha N.A.C.

g) **Validity of Proposal**

The quotation submitted by the bidder shall remain valid for a period of **60 (Sixty) days** from the date of opening of the quotation.

h) **Traffic Clearance & Site Access**

Tarbha N.A.C shall facilitate necessary site clearance, including traffic control permissions wherever required for execution of work in main road or public areas.

i) **Change Request Provision**

In case of any unforeseen technical inadequacy or requirement arising during execution, the vendor may submit a written **Change Request (CR)**. Tarbha N.A.C shall review and may extend necessary support subject to approval of competent authority.

j) **Fixed Price Basis**

The quotation shall be considered on **fixed price basis**, and no price escalation shall be entertained during the contract period except statutory changes, if applicable.



Executive Officer
Tarbha N.A.C

FINANCIAL/ PRICE BID

SL. NO	ITEM DESCRIPTION	QTY	UOM	Rate/ Unit (in Rs.)	Total Amount (in Rs.)
1	<p>PART 1: Installation & Commissioning of IT Enabled Day and Night Illuminated LED Acrylic lucrative Entry/Exit and Peripheral Technological Beautification of an Open space with LED Acrylic display of SeTP Tarbha, on Engineering, Procurement & Construction (EPC) Mode Contract.</p> <p>TECHNICAL SPECIFICATIONS:</p> <p>1. CIVIL UNDERGROUND FOUNDATION (for each pillar)</p> <p>(i) Cleansing and preparation of the whole site.</p> <p>(ii) Excavation of soil of 6ft depth, 5ft length, 5ft width, for both the pillars. There will be 2 Pillars.</p> <p>(iii) The underground foundation would be 6ft depth x 5ft width x 5ft width. Civil Foundation and plinth as required inside the ground.</p> <p>(iv) 6" sand base, 6" metal along with PCC (1:3:6 ratio), above that a double mesh/ jaali would be placed for better reinforcement with 12mm vertical MS rods & 10mm horizontal MS rods of dimension 5ft length x 5ft width x 1ft height, at 6" interval.</p> <p>(v) Above the double jaali structure, MS vertical rods of 16mm thickness, 5ft height -8nos for each pillar. 12mm Horizontal rods will be tied across as a ring of 4ft length x 4ft width, for binding.</p> <p>(vi) Concrete will be poured inside this MS rods structure, for making RCC pillar of 4ft height x 4ft length x 4ft width.</p> <p>(vii) 16mm rods of 4ft height (6nos.), one side threaded, will be placed inside this concrete. The threaded portion will remain above the concrete RCC structure for fitting nut bolts.</p> <p>(viii) A 16mm thickness x 2'6" length x 2'6" width base plate with 6 holes will be placed above this concrete, fitting inside the 16mm MS rods. 6nos. of 16mm internal dia. nut bolts will be fitted on each 20mm MS rod.</p> <p>(ix) 4nos. of 3" GI Square pipes of 15ft height will be fitted above this base plate at 2ft distance from each other, making a frame for making a square pillar structure. For better support, 4nos. of vertical plates of 12mm thickness 8" W x 12" L at the bottom and 4 nos. of 10mm thickness vertical plates at the top of size 6" W x 12" L will be welded to the 3" GI pipes and base plates.</p> <p>(x) Diagonally and horizontally ribbing of this pillar structure will be made with 1" GI Sq. pipes, for better rigidity of pillars.</p> <p>(xi) Total iron rods to be used in civil foundation = 1.0 quintal approx. per Pillar.</p> <p>2. MECHANICAL</p> <p>(i) The Graphical Display would be supported by 2nos. of pillar Supports made of GI square pipes, which is to be fabricated for Entry/exit, on both sides with a base plate to hold the complete Structure of the Board as required.</p> <p>(ii) Above this pillar supports, again a 10mm thickness 2'6" L x 2'6" W base plate will be placed. The GI pipes will be welded to this base plate, with 4 nos. of 10mm vertical plates of size 6" W x 12" L, for further support.</p> <p>(iii) Two pillar structures will be of minimum 15 feet height x 2ft width. The Poles would be at least 12 feet apart (approx.) as per the requirement.</p> <p>3. STRUCTURAL FRAME FOR GRAPHICAL DISPLAY STRUCTURE</p> <p>(i) Above these poles, Outer frame of the Structure would be placed of 15ft length x 5ft overall height x 2ft depth.</p> <p>(ii) The outer frame will be of rectangle shape of 15ft length x 2ft height, with an extended canopy at the bottom of 6inches height x 20ft length. On top of the rectangle structure an additional triangle shaped structure of 2ft height x 15ft length, will be made for placing the Konarka Chakra.</p> <p>(iii) This Outer frame will be made up of GI square pipes of 3" x 3" x 3mm</p>	1	LS		

thickness. Vertical/ Horizontal/ diagonal ribbing will be made with 2.5mm thickness x 1" x 1" GI square pipes, each at 4 feet interval.

- (iv) The whole structure should be end-to end painted with anti-rust paint, then brushed, then coated with 2-layer primer and on top of that metal weather paint of 2-layer will be applied.
- (v) The Entire Structure would be covered with ACP sheet both sides.

4. ACP CLADDING

- (i) The Entire Graphical Display of 15ft x 3ft, will be made by ACP Cladding on all the sides i.e. front-back, Top and Bottom sides in order to make a closed Box like structure. 3mm ACP of "ALUDECOR/ CITY BOND" or any reputed brands is to be used. Colour: Cream and brown colour.
- (ii)
- (iii) The Top triangle structure will be Cladded with ACP having router cut jaali designs, of desired colour and design.
- (iv) The Pillars of 15ft height x 2ft width will be cladded with ACP having router cut designs into a square shape pillar surrounding the GI Pipe Structures. Acrylic will be pasted from inside of tricolour theme.

5. ELECTRICAL & ELECTRONICS

- (i) The Digital Graphics will be consisting of:
 - Front side – Tarbha NAC logo on the extreme left, "SEPTAGE TREATMENT PLANT, NAC TARBHA" in the centre and Govt. of Odisha logo of the extreme right.
 - Back side – "THANK YOU".
 - (ii) Dimensions of the components of Graphical display:
 - Tarbha NAC Logo – Size: 2ft height; It will be made up of Acrylics with Vinyl pasting.
 - Letters of 'SEPTAGE TREATMENT PLANT, NAC TARBHA' – Size: 4inches. It will be made up of LED Acrylics of red colour.
 - Letters of 'THANK YOU' – Size: 12inches. It will be made up of LED Acrylics of red colour.
 - Govt. of Odisha Logo – Size: 2ft height; It will be made up of Acrylics with Vinyl pasting.
 - (iii) LED Acrylic letters:
 - The Letters will be made up of Acrylics of 3-4mm thickness of make: "ASTARIGLAS/ A-CAST".
 - The Letters should be of 3D with a minimum thickness 2.5 Inches.
 - The side raising with 2" to 3" of Aluminum with SS finish. The back raising will be of ACP.
 - (iv) On top of the Structure:
 - Konarka chakra with Odishi dancers – To be placed inside the triangle shaped structure of Size: 2ft height.
 - It will be made up of 3-4mm Acrylic of make: "ASTARIGLAS/ A-CAST" with UV print logo pasted on it, both side facing supported by LED upon Acrylic with 2"/3" aluminum with SS finish side raising. The back raising will be of ACP.
 - (v) There would be a 1" border with LED strip light of warm white or any desired colour all around the borders of the graphical display, by making an extended canopy, to create a backlighting effect.
 - (vi) Lighting: IT Enabled Digital Graphics Module LED (Make: Wipro / Arihant/ Hi-Sign) supported by SMPS - Waterproof SMPS IP 67/68 (BIS approved), Make: Arihant/ Hi-Sign to be used for the individual Letters and for all Logos.
 - (vii) Special Lighting effects:
 - The Roof and Floor of the Graphical display would be made up of ACP. The floor ceiling would be fitted with designed Drop lights of warm white/ green/ pink colour.
 - For illumination of the two pillars 2nos of 50W halogens of desired colour will be focused from inside, one from top & another from bottom.
6. Detailed design and maintaining the changes as required of the Projects. Consultation, Engineering Supervision, Complete transportation, tools & tackles, man cranes, welding equipments,

	<p>handling, labour charges, and hence then installation as required. Contingency, risk consideration, Miscellaneous and overheads as required. AMC for 1 Year, which does not include garden Watering and Maintenance of the Horticulture.</p> <p>ASSUMPTIONS</p> <ol style="list-style-type: none"> Detailed Earthling Engineering Design and Work would be carried out as required to avoid the Thunderbolts and Lighting related Damages. Power Supply → 2 to 3 KW, External Power Supply: 220 - 240V AC, 50Hz, 33-amp 12V DC Water Resistant Power Supply. Input: 240V and Output: 12V. TEMPERATURE: -40°C to +60°C (approx.) CABLE: 1.5mm FR Grade (ISI Marked), Cable Make: Finolex/ Havels. Environment → Operating temperature: -20°C to 80°C Humidity - 0 to 100% RH Pressure - +/- 10%. The physical Damage caused through Wind and other factors, Cloud Bursting, Lighting Damages, Voltage Fluctuations and the Theft are not under our scope. The night Electricity Connection will be availed by the Tarbha N.A.C of minimum 2-3 KW Power Supply. 				
2	<p>Acrylic Letters stating "10KLD SeTP"</p> <ol style="list-style-type: none"> Overall size of the Signage: 15ft x 4ft. The ACP sheet of Size: 15ft x 4ft, of 0.8-3mm thickness. Make: CITYBOND. Above that artificial grass will be pasted. The ACP sheet will be fitted on 5nos. of 1.5" SS pipes of 5ft (out of which 3ft will remain underground and 2ft will be above the ground) and grouted with Cement Concrete inside the Platform. The SS pipes to be fitted on ground with proper grouting with Cement concrete. The acrylic letters will be placed upon the ACP sheet. The ACP sheet will be consisting of: <ul style="list-style-type: none"> Tarbha N.A.C logo on the left, "10KLD SeTP" in the centre and Govt. of Odisha logo on the right. Dimensions of the components of Graphical display: <ul style="list-style-type: none"> Tarbha N.A.C logo – Size: 3ft dia., It will be made up of Acrylic with UV print/ vinyl pasted on front of required logo design, with 2"/3" aluminum with SS finish side raising. Letters of '10 KLD SeTP' – Size: 2.5ft height. The letters will be made up of acrylics of gradient colours with UV Print/vinyl pasted on the front stating "10KLD SeTP". 3-4mm thick Acrylics of make: "A-CAST/ ASTARIGLAS" Brand will be used. Govt. of Odisha logo – Size: 3ft dia., It will be made up of Acrylic with UV print/Vinyl pasted on front of required logo design, with 2"/3" aluminum with SS finish side raising. LED Acrylic letters: <ul style="list-style-type: none"> The Letters will be made up of Acrylics of 3-4mm thickness of make: "ASTARIGLAS/ A-CAST" with gradient colours UV Print/vinyl pasted on the front. The Letters should be of 3D with a minimum thickness 2.5 Inches. The side raising with 2" to 3" of Aluminum with SS finish. The back raising will be of ACP. There would be a 1" border with LED strip light of warm white or any desired colour all around the borders of the graphical display, by making an extended canopy, to create a backlighting effect. The physical Damage caused through Wind and other factors, Cloud Bursting, Lighting Damages, Voltage Fluctuations and the Theft are not considered under the general AMC. The night Electricity Connection will be availed by Tarbha N.A.C of minimum 2-3 KW Power Supply. 	1	LS		
3	<p>Special designed fancy garden bollards with body and head lightings supported by SS Pole as required of total height minimum 2'8". QTY:8Nos.</p> <ul style="list-style-type: none"> The base pipe will be SS pipe of 2"/4" dia. and 2.5' height. The body Lighting of the garden bollard will be made up of acrylic sheet with laser cut designs. One/Two LED Rod lights to be installed inside it for illumination from the body of the garden bollard. 	8	Nos.		

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	<ul style="list-style-type: none"> At the top, a head light of minimum 6" Head Top or DOB Bollard will be placed which will discharge pink light in night. The poles will be placed on the grouting surface of 6" * 6" and 8" depth. Detailed Earthing Engineering Design and Work would be carried out as required to avoid the Thunderbolts and Lighting related Damages. Power Supply--> 40/60 Watt Per garden bollard, External Power Supply: 220 - 240V AC, 50Hz. Environment--> Operating temperature: -20°C to 80°C Humidity - 0 to 100% RH Pressure - +/- 10%. The physical Damage caused through Wind and other factors, The Cloud Bursting, Lighting Damages, Voltage Fluctuations and the Theft are not considered under the scope of AMC. The night Electricity Connection will be availed by Tarbha N.A.C of minimum Power Supply as required. The Entire Pole will be sitting in required Civil and Mechanical Foundation as required. 				
4	<p>SS304 Pole special designed laser carved fancy Street lights with full body and head lightings as required of total height minimum 12 ft.</p> <ul style="list-style-type: none"> The pole will be of SS304 of 2.5" dia. and 10ft height. Out of which 8' will be the body with day night illuminated. The body of the Pole out of which 8 feet will be made up of 3mm Acrylic sheet (of Required Colour and Design) with IT enabled ACP router/ laser carved (of required colour and design) would be based over 1"x 1" square pipe of SS304 for border frames of size- 8"x8" and of 8ft height. 8 nos. of LED rod of 3.5' height of 22 Watts each to be installed inside it for illumination (of required colour). At the top, a head light with aluminum casting of minimum of 30" height will be placed. A Driver based LED of 50 Watt of warm white color will be used for the Top illumination. The Bottom end part of the pole of Fancy light post will be covered with designed Multi-layer FRP base (with pot-like design) of dimension - 10" base dia. and 4" top dia., having golden colour. Additionally, 2nos. of Multi-layer FRP designed rings of 3" height & 4" dia., will be provided over the base pole, for better look. The Entire Pole will be supported with required Civil and Mechanical Foundation as required. Underground foundation supported with a 2' depth x 1' Length x 1' Breadth RCC Civil Foundation and plinth as required inside the ground. Underground base will be made by digging 2ft underneath, and filling it with concrete and securing the concrete with a baseplate. The FRP base design will be joined with the base plate with nut bolts. Base plate at bottom would be of 10 mm thickness x 10" x 10" size MS Plate. Nuts would be of minimum 8/10 mm * 4 numbers and the required Height would be of 2 feet as required. Ring Size would be of 8/10 mm Rods, with base plate of 8/10 mm. The Foundation of the Street pole is depending upon the available conditions. The Dimensions mentioned in this specification are tentative only may differ a bit. 	4	Nos.		
5	Underground Wiring -- Underground Wiring would be required by laying the 1.5 Core 2mm Wire through the PVC Underground Pipes as required. Pipe and wire as needed to provide connections to Garden Lights, street lights and to connect the LED digital electronics etc. The necessary MCCB, RCCB, Timers, Connectors, Underground Wirings and other elaborate arrangements will be made as required.	1	LS		
	SUM TOTAL				
	GST 18% EXTRA				
	GRAND TOTAL				

Amount (in words):

Note: The Quoted prices should be all inclusive of Design, Consulting, Transportation, AMC, and other Miscellaneous overheads. GST will be extra as applicable.

Signature of Bidder

Executive Officer
N.A.C., Tarbha

SL. NO	ITEM DESCRIPTION	QTY	UOM	Rate/Unit (in Rs.)	Total Amount (in Rs.)
1.	<p>PART 2: Installation & Commissioning of IT Enabled Day and Night Illuminated LED Acrylic lucrative Entry/Exit and Peripheral Technological Beautification of an Open space with LED Acrylic display of Wealth Centre, Tarbha, on Engineering, Procurement & Construction (EPC) Mode Contract.</p> <p>Technical Specification: --</p> <p>Overall size of the entry-exit Structure = 20' (Length) X 3' (Height).</p> <p>1. CIVIL UNDERGROUND FOUNDATION (for each pillar)</p> <p>(i) Cleansing and preparation of the whole site.</p> <p>(ii) Excavation of soil of 6ft depth, 5ft length, 5ft width, for both the pillars. There will be 2 Pillars.</p> <p>(iii) The underground foundation would be 6ft depth x 5ft width x 5ft width. Civil Foundation and plinth as required inside the ground.</p> <p>(iv) 6" sand base, 6" metal along with PCC (1:3:6 ratio), above that a double mesh/ jaali would be placed for better reinforcement with 12mm vertical MS rods & 10mm horizontal MS rods of dimension 5ft length x 5ft width x 1ft height, at 6" interval.</p> <p>(v) Above the double jaali structure, MS vertical rods of 16mm thickness, 5ft height -8nos for each pillar. 12mm Horizontal rods will be tied across as a ring of 4ft length x 4ft width, for binding.</p> <p>(vi) Concrete will be poured inside this MS rods structure, for making RCC pillar of 4ft height x 4ft length x 4ft width.</p> <p>(vii) 16mm rods of 4ft height (6nos.), one side threaded, will be placed inside this concrete. The threaded portion will remain above the concrete RCC structure for fitting nut bolts.</p> <p>(viii) A 16mm thickness x 2'6" length x 2'6" width base plate with 6 holes will be placed above this concrete, fitting inside the 16mm MS rods. 6nos. of 16mm internal dia. nut bolts will be fitted on each 20mm MS rod.</p> <p>(ix) 4nos. of 3" GI Square pipes of 15ft height will be fitted above this base plate at 2ft distance from each other, making a frame for making a square pillar structure. For better support, 4nos. of vertical plates of 12mm thickness 8" W x 12" L at the bottom and 4 nos. of 10mm thickness vertical plates at the top of size 6" W x 12" L will be welded to the 3" GI pipes and base plates.</p> <p>(x) Diagonally and horizontally ribbing of this pillar structure will be made with 1" GI Sq. pipes, for better rigidity of pillars.</p> <p>(xi) Total iron rods to be used in civil foundation = 1.0 quintal approx. per Pillar.</p> <p>2. MECHANICAL</p> <p>(iv) The Graphical Display would be supported by 2nos. of pillar Supports made of GI square pipes, which is to be fabricated for Entry/exit, on both sides with a base plate to hold the complete Structure of the Board as required.</p> <p>(v) Above this pillar supports, again a 10mm thickness 2'6" L x 2'6" W base plate will be placed. The GI pipes will be welded to this base plate, with 4 nos. of 10mm vertical plates of size 6" W x 12" L, for further support.</p> <p>(vi) Two pillar structures will be of minimum 15 feet height x 2ft width. The Poles would be at least 12 feet apart (approx.) as per the requirement.</p> <p>3. STRUCTURAL FRAME FOR GRAPHICAL DISPLAY STRUCTURE</p> <p>(i) Above these poles, Outer frame of the Structure would be placed of 20ft length x 3ft height x 2ft depth. The edges of the structure should be round.</p> <p>(ii) This Outer frame will be made up of GI square pipes of 3" x 3" x 3mm thickness. Vertical/ Horizontal/ diagonal ribbing will be made with 2.5mm thickness x 1" x 1" GI square pipes, each at 4 feet interval.</p> <p>(iii) The whole structure should be end-to-end painted with anti-rust paint, then brushed, then coated with 2-layer primer and on top of that metal weather paint of 2-layer will be applied.</p> <p>(iv) The Entire Structure would be covered with ACP sheet both sides.</p>	1	LS		

4. ACP CLADDING

- (i) The Entire Graphical Display will be made by ACP Cladding on all the sides i.e. front-back, Top and Bottom sides in order to make a Box like structure. 3mm ACP of "ALUDECOR/ CITY BOND" or any reputed brands is to be used. Colour: Cream/ off-white.
- (ii) The Pillars of 15ft height x 2ft width will be cladded with ACP having router cut designs into a square shape pillar surrounding the GI Pipe Structures. Acrylic will be pasted from inside of tricolour theme.

5. ELECTRICAL & ELECTRONICS

- (i) The Graphical Display will be consisting of:
 - Front side – WEALTH CENTRE, NAC TARBHA
 - Back side - 'THANK YOU'.
- (ii) Dimensions of the components of Graphical display:
 - Letters of 'WEALTH CENTRE, NAC TARBHA' – Size: 10inches, It will be made up of Acrylics of orange colour.
 - Letters of 'THANK YOU' – Size: 12inches, It will be made up of Acrylics of orange colour.
- (iii) LED Acrylic letters:
 - The Letters should be of 3D with a minimum thickness 2.5 Inches.
 - The side raising with 2" to 3" of Aluminum with SS finish.
 - The letters will be made up of LED acrylics with design layers. 3-4mm thick Acrylics of make: "A-Cast / Astariglas" Brand.
- (iv) On top of the Structure:
 - a. Tarbha NAC Logo – Semi-circular shaped background with the NAC logo in middle. Size: 3ft height; It will be made up of Acrylics with Vinyl pasting.
 - It will be made up of Acrylic with Vinyl pasted on it, both side facing supported by LED upon Acrylic with 2"/3" aluminum with SS finish side raising.
 - It will be fabricated using MS-Channel, and reinforced with MS-Sheet for better strength and rigidity, by means of welding in order to create a seamless join.
 - b. Two Elephant structure: To be installed above the Graphical display on both sides of the Tarbha NAC logo.
 - Size: height of at least 2' and width at least 2'.
 - It will be made up of Acrylic with Vinyl pasted on front facing supported by LED upon ACP with 2"/3" aluminum, with SS finish side raising.
- (v) There would be a 1" border with LED strip light of red/ warm white or any desired colour all around the borders of the graphical display, by making an extended canopy, to create a backlighting effect.
- (vi) Lighting: IT Enabled Digital Graphics Module LED (Make: Wipro / Arihant/ Hi-Sign) supported by SMPS - Waterproof SMPS IP 67/68 (BIS approved), Make: Arihant/ Hi-Sign to be used for the individual Letters and for all Logos.
- (vii) Special Lighting effects:
 - The Roof and Floor of the Graphical display would be made up of ACP. The floor ceiling would be fitted with designed Drop lights of warm white/ green/ pink colour.
 - For illumination of the two pillars 2nos of 50W halogens of desired colour will be focused from inside, one from top & another from bottom.

6. Detailed design and maintaining the changes as required of the Projects. Consultation, Engineering Supervision, Complete transportation, tools & tackles, man cranes, welding equipments, handling, labour charges, and hence then installation as required. Contingency, risk consideration, Miscellaneous and overheads as required. AMC for 1 Year, which does not include garden Watering and Maintenance of the Horticulture:

ASSUMPTIONS

7. Detailed Earthling Engineering Design and Work would be carried

	<p>out as required to avoid the Thunderbolts and Lighting related Damages.</p> <p>8. Power Supply → 2 to 3 KW, External Power Supply: 220 - 240V AC, 50Hz, 33-amp 12V DC Water Resistant Power Supply. Input: 240V and Output: 12V. TEMPERATURE: -40°C to +60°C (approx.)</p> <p>9. CABLE: 1.5mm FR Grade (ISI Marked), Cable Make: Finolex/ Havels.</p> <p>10. Environment → Operating temperature: -20°C to 80°C Humidity - 0 to 100% RH Pressure - +/- 10%.</p> <p>11. The physical Damage caused through Wind and other factors, Cloud Bursting, Lighting Damages, Voltage Fluctuations and the Theft are not under our scope.</p> <p>12. The night Electricity Connection will be availed by the Tarbha NAC of minimum 2-3 KW Power Supply.</p>				
2	<p>Acrylic Letters stating "WEALTH CENTRE"</p> <p>1. Overall size of the Signage: 15ft x 4ft.</p> <p>2. The ACP sheet of Size: 15ft x 4ft, of 0.8-3mm thickness. Make: CITYBOND. Above that artificial grass will be pasted over.</p> <p>3. The ACP sheet will be fitted on 3nos. of 1.5" SS pipes of 2ft (out of which 2ft will remain underground and 2ft will be above the ground) and grouted with Cement Concrete inside the Platform. The SS pipes to be fitted on ground with proper grouting with Cement concrete.</p> <p>4. The LED acrylic letters will be placed upon the ACP sheet.</p> <p>5. The ACP sheet will be consisting of:</p> <ul style="list-style-type: none"> • Tarbha NAC logo on the left, "WEALTH CENTRE" in the centre and Govt. of Odisha logo on the right. <p>6. Dimensions of the components of Graphical display:</p> <ul style="list-style-type: none"> • Tarbha NAC logo – Size: 1.5ft dia., • Letters of 'WEALTH CENTRE' – Size: 10inches height. • Govt. of Odisha logo – Size: 1.5ft dia. <p>7. LED Acrylic letters and Logo:</p> <ul style="list-style-type: none"> • The Letters will be made up of Acrylics with Vinyl of gradient colours on front supported by LED upon ACP with 2"/3" aluminum with SS finish side raising. • The logos will be made up of Acrylic with Vinyl pasted on front of required logo print. • 3-4mm thick Acrylics of make: "ASTARIGLAS/ A-CAST" Brand. • The Letters should be of 3D with a minimum thickness 2.5 Inches. • The side raising with 2" to 3" of Aluminum with SS finish. The back raising will be of ACP. • IT Enabled Digital Graphics Module LED (make: HISIGN) supported by SMPS to be used for the individual Letters and for all Logos. <p>8. There would be a 1" border with LED strip light of red/warm white colour all around the ACP sheet, by making an extended canopy, to create a backlighting effect.</p> <p>9. The physical Damage caused through Wind and other factors, Cloud Bursting, Lighting Damages, Voltage Fluctuations and the Theft are not considered under the general AMC.</p> <p>10. The night Electricity Connection will be availed by Tarbha NAC as required.</p>	1	LS		
3	<p>SS304 Pole special designed laser carved fancy Street lights with full body and head lightings as required of total height minimum 12 ft. Qty: 4Nos.</p> <ul style="list-style-type: none"> • The pole will be of SS304 of 2.5" dia. and 10ft height. Out of which 8' will be the body with day night illuminated. • The body of the Pole out of which 8 feet will be made up of 3mm Acrylic sheet (of Required Colour and Design) with IT enabled ACP router/ laser carved (of required colour and design) would be based over 1"x1" square pipe of SS304 for border frames of size- 8"x8" and of 8ft height. 8 nos. of LED rod of 3.5' height of 22 Watts each to be installed inside it for illumination (of required colour). • At the top, a head light with aluminum casting of minimum of 30" height will be placed. A Driver based LED of 50 Watt of warm white 	4	Nos.		

	<p>color will be used for the Top illumination.</p> <ul style="list-style-type: none"> The Bottom end part of the pole of Fancy light post will be covered with designed Multi-layer FRP base (with pot-like design) of dimension - 10" base dia. and 4" top dia., having golden colour. Additionally, 2nos. of Multi-layer FRP designed rings of 3" height & 4" dia., will be provided over the base pole, for better look. The Entire Pole will be supported with required Civil and Mechanical Foundation as required. Underground foundation supported with a 2' depth x 1' Length x 1' Breadth RCC Civil Foundation and plinth as required inside the ground. Underground base will be made by digging 2ft underneath, and filling it with concrete and securing the concrete with a baseplate. The FRP base design will be joined with the base plate with nut bolts. Base plate at bottom would be of 10 mm thickness x 10" x 10" size MS Plate. Nuts would be of minimum 8/10 mm * 4 numbers and the required Height would be of 2 feet as required. Ring Size would be of 8/10 mm Rods, with base plate of 8/10 mm. The Foundation of the Street pole is depending upon the available conditions. The Dimensions mentioned in this specification are tentative only may differ a bit. 				
4	<p>Special designed fancy garden bollards with body and head lightings supported by SS Pole as required of total height 2'8". QTY:7Nos.</p> <ul style="list-style-type: none"> The base pipe will be SS pipe of 2 1/4" dia. and 2.5' height. The body Lighting of the garden bollard will be made up of acrylic sheet with laser cut designs. One/Two LED Rod lights to be installed inside it for illumination from the body of the garden bollard. At the top, a head light of minimum 6" Head Top or DOB Bollard will be placed which will discharge pink light in night. The poles will be placed on the grouting surface of 6" * 6" and 8" depth. Detailed Earthling Engineering Design and Work would be carried out as required to avoid the Thunderbolts and Lighting related Damages. Power Supply--> 40/60 Watt Per garden bollard, External Power Supply: 220 - 240V AC, 50Hz. Environment--> Operating temperature: -20°C to 80°C Humidity - 0 to 100% RH Pressure - +/- 10%. The physical Damage caused through Wind and other factors, The Cloud Bursting, Lighting Damages, Voltage Fluctuations and the Theft are not considered under the scope of AMC. The night Electricity Connection will be availed by Tarbha NAC of minimum Power Supply as required. The Entire Pole will be sitting in required Civil and Mechanical Foundation as required. 	7	Nos.		
5	Underground Wiring -- Underground Wiring would be required by laying the 1.5 Core 2mm Wire through the PVC Underground Pipes as required. Pipe and wire as needed to provide connections to Garden Lights, street lights and to connect the LED digital electronics etc. The necessary MCCB, RCCB, Timers, Connectors, Underground Wirings and other elaborate arrangements will be made as required.	1	LS		
6	Plantation of artificial grass in the whole site of approx. 10 sq. ft. above the pre-existing surface.	1	LS		
SUM TOTAL					
GST 18% EXTRA					
GRAND TOTAL					

Amount (in words):

Note: The Quoted prices should be all inclusive of Design, consulting, transportation, AMC, and other Miscellaneous overheads. GST will be extra as applicable.

Signature of Bidder

Executive Officer
N.A.C., Tarbha

SL. NO	ITEM DESCRIPTION	QTY	UOM	Rate/ Unit in Rs.	Total Amount in Rs.
1.	PART 3: Installation, Commissioning, Testing of Day and Night Illuminated Advertisement display for Tarbha NAC, on Engineering, Procurement & Construction (EPC) Mode Contract. <u>TECHNICAL SPECIFICATION:</u> <ul style="list-style-type: none"> ➤ Overall size of the Digital Display- 2.5' width x 4' height. ➤ The outer frame will be of MS square pipe of 1' * 1" size. The side walls will be of Tin and colorful PVC on top of it. ➤ The Graphical LED display will have 4 nos. of 3.5 feet length LED rod light inside, with a transparent canvas backlit Flex over it. This would be illuminated both sides as required. ➤ The content of the Advertisement will be made upon transparent canvas Flex with backlite printing on both sides. ➤ Detailed Earthling Engineering Design and Work would be carried out if possible as required to avoid the Thunderbolts and Lighting related Damages. ➤ Power Supply: 88 W, External Power Supply: 220 - 240V AC, 50Hz. ➤ Environment: Operating temperature: -20°C to 80°C Humidity - 0 to 100% RH Pressure - +/- 10%. ➤ The LED Display would be based on street Poles with the help of required Mechanical Fabricated structures and arrangements as required. ➤ The physical Damage caused through Wind and other factors, The Cloud Bursting, Lighting Damages, voltage Fluctuations and the Theft are not considered in the scope of AMC. ➤ The night Electricity Connection will be availed by the Tarbha NAC of minimum Power Supply as required. ➤ In case the design or contents for advertisement of this Graphical display needs to be changed, then Tarbha NAC has to pay for the recurring changes for transparent canvas backlite flex, as required. ➤ Detailed design and maintaining the changes as required of the Projects. Consultation, Engineering Supervision, Complete transportation, tools & tackles, man cranes, welding equipments, handling, labour charges, and hence then installation as required. Contingency, risk consideration, Miscellaneous and overheads as required. AMC for 1 Year, which does not include the garden Watering and Maintenance of the Horticulture. 	1	LS		
	SUM TOTAL				
	GST 18% EXTRA				
	GRAND TOTAL				

Amount (in words):

Note: The Quoted prices should be all inclusive of Design, consulting, transportation, AMC, and other Miscellaneous overheads. GST will be extra as applicable.

Signature of Bidder


 Executive Officer
 N.A.C., Tarbha