

NOTICE INVITING TENDER

Tender Notice No: 24/2017-18/CE/EE-VI/VUDA dated 06.07.2017

Tender Type: Open

Name of work: Detailed Investigation, Survey, Design, Engineering and Construction of a Composite Level Grade Separators with Architectural Finishing, Aesthetics, Service Roads etc., at Naval Armament Depot (NAD) Junction in Visakhapatnam on the basis of Engineering, Procurement & Construction (EPC) mode including DLP of 2 Years

1.	Department Name	Visakhapatnam Urban development Authority
2.	Circle / Division Name	Engineering Wing, VUDA, Visakhapatnam.
3.	Tender Number	24 / 2017-18/CE/EE-VI/VUDA dated 06.07.2017
4.	Tender Subject	Detailed Investigation, Survey, Design, Engineering and Construction of a Composite Level Grade Separators with Architectural Finishing, Aesthetics, Service Roads etc., at Naval Armament Depot (NAD) Junction in Visakhapatnam on the basis of Engineering, Procurement & Construction (EPC) mode including DLP of 2 Years
5.	Estimated Contact Value (Internal Bench Mark)	Rs.122,77,00,000/-
6.	Period of Contract	24 Months
7.	Form of Contract	EPC – Turnkey system.
8.	Tender Type	Open
9.	Tender Category	Works
10.	EMD / Bid Security	Rs.1,22,77,000/-
11.	EMD / Bid Security Payable to	In the shape of unconditional & irrevocable Bank Guarantee in the standard format in favour of Vice Chairman, VUDA, Visakhapatnam to be obtained from any Government owned Public Sector Bank or any scheduled commercial bank (OR) Using Net banking/RTGS/NEFT from their registered bank accounts only using Credit Card / Debit Card as per the VISA/Master Card guidelines in.
12.	Tender Fee	(0) INR
13.	Tender Fee Payable to	Not Applicable
14.	Process Fee	Rs.50,000/-
15.	Process Fee Payable to	Vice Chairman, VUDA, Visakhapatnam, A.P.
16.	Bid Document Downloading Start Date	07-07-2017 from 5:00 PM
17.	Bid Document Downloading End Date	21-08-2017 up to 03:00 PM
18.	Pre-Bid Meeting Date	21-07-2017 at 11:00 AM in the chambers of Chief

Contractor

Chief Engineer, VUDA

		Engineer, VUDA, Visakhapatnam – 530003.
19.	Bid submission closing Date (online)	21-08-2017 up to 05:00 PM
20.	Pre-Qualification / Technical bid opening date (Qualification and Eligibility stage)	21-08-2017 after 05:30 PM
21.	Price Bid Opening Date (Financial Bid Stage)	25-08-2017 after 11:00 AM
22.	Place of Price Bid Opening	Chief Engineer, VUDA, Visakhapatnam.
23.	Officer Inviting Bids/ Contract Person	Chief Engineer, VUDA, Visakhapatnam.
24.	Address / E-mail ID	Chief Engineer, VUDA, Udyog Bhavan, Siripuram, Visakhapatnam – 530003. cevudavsp@yahoo.com
25.	Contact Details / Telephone, Fax	Chief Engineer, VUDA, 7 th Floor, Udyog Bhavan, Siripuram, Visakhapatnam – 530003. Phone: 0891-2754133-34 & Fax: 0891-2754189 Email: cevudavsp@yahoo.com Mobile No.9959500187
26.	Eligibility Criterion	
<p>26.1 General Requirements</p> <p>26.1.1 Period of Completion: 24 months (inclusive of Monsoon Period)</p> <p>26.1.2 Civil Contractors/ Contracting firm having registration with Government of Andhra Pradesh in appropriate eligible class as per the G.O.Ms.No.94, I & CAD (PW-COD) Dept. Dt. 01.07.2003 and G.O.Ms.No.130, I & CAD (PW-REFORMS) Dept. Dt. 22.05.2007 are only eligible.</p> <p>26.1.3 The bids are limited to those individuals, firms, companies, who meet the following qualification and the eligibility requirements.</p> <p>26.1.4 The bidder should furnish EMD of Rs.122,77,000/- in the shape of irrevocable Bank Guarantee in favour of the Vice Chairman, VUDA, Visakhapatnam (or) online payment using Net banking/RTGS/NEFT from their registered bank accounts only using Credit Card / Debit Card as per the VISA/Master Card guidelines.</p> <p>26.1.5 The bidder shall pay the non refundable process fee of Rs.50,000/- (Rupees fifty thousand only) in favour of "Vice Chairman, VUDA, Visakhapatnam through online payment to the account: "INDIAN OVERSEAS BANK A/c.No.164901000004444, IFSC Code: IOBA0001649, VUDA BRANCH, VISAKHAPATNAM, A.P". The process fee shall be paid through online and any other form shall be liable for non consideration of tender.</p> <p>26.2 Technical Requirements</p> <p>26.2.1 The Bidder should have executed and completed the following minimum quantities in any one financial year during the last ten Financial Years ending with 31-03-2017 in similar nature of works i.e., Construction of Fly Over / Bridge / RoB / Grade Separator Projects in the following:</p> <p>(i) Bidder should have executed at least (a) 1 (One) no. "Elevated Structure" preferably Precast viaduct of not less than 500 mts. length of 4 lane carriage</p>		

	<p>way or its equivalent width with an Obligatory Span of Min 30Mts, on EPC / Item Rates basis, involving engineering, procurement, construction etc., which is in operation/function for at least one year in the last Ten years. (“Elevated structure” means flyover, urban interchanges, ROB’s, elevated structures of expressway / metro rail etc.).</p> <p>(ii) The bidder should enclose experience certificates in support of the above technical criteria issued by the Engineer–In charge of the State/Central Government departments/Undertakings not below the rank of Executive Engineer or Equivalent and countersigned by the next higher authority.</p> <p>(iii) The bidder should have completed the Grade Separator / Flyover project of cost not less than Rs.3070 Lakhs in any one year during the last ten (10) financial years i.e., after 01.04.2007 ending with 31.03.2017.</p> <p>(iv) In case the EPC contractor demonstrates his experience as contractor for BOT / item rate projects, then he should submit relevant certificates issued by Executive Engineer of experience from the concessionaire/developer duly counter signed by not below the rank of General Manager / Superintending Engineer.</p> <p>(v) In case a project has been executed as a JV by two or more firms, weightage towards experience in the project would be given to the JV partners in proportion to their participation in that Joint Venture Agreement, unless it has been certified by the employer that a particular component was executed by the applicant firm in any other manner. Hence, relevant certificates indicating the share of the firm in any project must be attached.</p> <p>(vi) The bidder should enclose experience certificates in support of technical criteria issued by the Engineer–in-charge of the State/Central Government departments / Undertakings not below the rank of Executive Engineer or Equivalent and countersigned by the next higher authority.</p> <p>(vii) The Bidder should possess the minimum Key Critical Equipment and Key Technical personnel as prescribed forms in the Bid Document. However, the Bidder to note that these are minimum requirements & bidder shall deploy whatsoever resources required for completion of work as per contract.</p> <p>26.2.2 Experience for minimum quantities mentioned above relating to the works executed in the state or central government departments or state/central under taking/ boards/ Corporations, Municipalities and Municipal corporations and Urban Development Authorities shall only be considered.</p> <p>26.3 Financial Requirement</p> <p>26.3.1 The bidder as a prime contractor should have executed similar type of bridge works costing not less than Rs.3070 Lakhs in any one financial year during the last 10 financial years updated by giving 10% simple weightage per year to</p>
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	bring them to 2017-18 price level. In case of J V firms, the experience of the lead partner will only be considered as per the percentage of agreement.								
26.3.2	The bidder should furnish the availability (either owned or leased) of key and critical equipment, as per prescribed forms in Bid Document, required for the work.								
26.3.3	The bidder should furnish the availability of key personnel as per prescribed forms in Bid document.								
26.3.4	Liquid assets/credit facilities/Solvency certificates from any Nationalized/ Scheduled Bank for not less than Rs.1534.62 Lakhs.								
26.3.5	An Average Annual Turnover of last ten financial years from Civil Construction works shall be equal or more than Rs.3070 Lakhs. However, in case of J V firms, the turnover of the lead partner will only be considered as per the percentage of JV agreement and if the annual turnover of the bidder is more than the required amount of this bid, then only the bid of the individual is taken in to consideration. A certificate by registered Chartered Accountant shall be uploaded.								
26.3.6	<p>Bid capacity computed by the formula $(2AN - B)$ shall be greater than Rs.122.77Cr i.e.,</p> <p>A= Maximum value of Civil Engineering works executed in any one year during last 10 years (01-04-2007 to 31-03-2017) updated by giving 10% simple weightage per year to bring them to Financial Year 2017 - 2018 taking into account the completed as well as works in progress.</p> <p>N= Number of years prescribed for completion of works for which tenders are invited (2 years)</p> <p>B= Value at current price level of existing commitments and ongoing works to be completed during the period of works for which bids are invited.</p>								
26.3.7	The bidder/contracting firm who has applied for/ availed "Corporate Debt Restructuring" (CDR) or "SDR" in the last Five (5) financial years are not eligible to participate in the bid. In regards to this clause, a certificate issued by the Chartered Accountant in the current financial year shall be uploaded by the bidder.								
26.3.8	<p>The bidder should furnish the availability (either owned or leased) of following minimum key and critical equipment required for the work.</p> <table style="margin-left: 40px;"> <tr> <td>a. Cranes</td> <td>- 6 Nos.</td> </tr> <tr> <td>b. JCB / Excavator</td> <td>- 8 Nos.</td> </tr> <tr> <td>c. Pin Vibrators</td> <td>- 10 No.</td> </tr> <tr> <td>d. Pan Vibrators</td> <td>- 10 Nos.</td> </tr> </table>	a. Cranes	- 6 Nos.	b. JCB / Excavator	- 8 Nos.	c. Pin Vibrators	- 10 No.	d. Pan Vibrators	- 10 Nos.
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	<p>e. Water Tanker - 8 Nos. f. Tractor / Tippers - 10 Nos. g. Concrete Hopper miller - 6 Nos. h. Weigh batching equipment - 2 Nos. i. Slip form shuttering - 1000 S. Ft. j. Pre stressing jacks & other related equipment – 8 Nos. k. Pressure grout equipment - 4 Nos. l. Ready Mix Concrete Plant - 1 Nos. m. Hot Mix Plant - 1 Nos. n. Casting Yard - 1 Nos. o. PSC girder launcher -1 Nos. p. Jacking Equipment -1 No</p> <p>26.3.9 The bidder should furnish the availability of following key personnel.</p> <p>a. Post Graduate Engineer (min 5 years experience) - 1 No b. Graduate Engineers (min 3 years’ experience) – 5 Nos. c. Diploma Engineers (min 5 years’ experience) – 10 Nos.</p> <p>26.3.10 The bidders should furnish the particulars of quality control testing Lab owned, or tie up with established quality control laboratories.</p> <p>26.3.11 The bidder should furnish the Income Tax Pan and submission of latest Income Tax return along with proof of receipt.</p> <p>26.3.12 The bidder should furnish the VAT / GST Registration Certificate as applicable.</p> <p>Note: The Internal Bench Mark (IBM) is arrived based on the probable quantities indicated in the deliverables.</p>
27.	Procedure For Bid Submission
	<p>The bidder shall submit his response through bid submission to the tender on e-procurement platform at www.apecurement.gov.in by following the procedure given below.</p> <p>The bidder would be required to register on the e-procurement market place www.apecurement.gov.in or http://tender.apecurement.gov.in and submit their bid online. On offline bids shall be entertained by the Tender inviting Authority.</p> <p>The bidders shall submit their eligibility and qualification documents, Technical bid, Financial bid etc., in the standard formats prescribed in the Tender documents, displayed in e-procurement web site. The bidder shall upload the scanned copies of all the relevant certificates, documents etc., in support of their eligibility / criteria / technical bids in the e-procurement web site. The bidder shall sign on the statements, documents, certificates, uploaded by him owing responsibility for their correctness / authenticity.</p> <p>1. Registration with e-procurement platform: For registration and online bid submission bidders may contact HELP DESK of M/S Vupadhi Techno Services Pvt Ltd., www.apecurement.gov.in or</p>

<http://tender.apecurement.gov.in>

2. Digital Certificate authentication:

The bidder shall authenticated the bid with his digital certificate for submitting the bid electronically on e-procurement platform and the bids not authenticated by digital certificate of the bidder will not be accepted on the e-procurement platform.

All the bidders need to obtain Digital Certificates from APTS:

For obtaining Digital Signature Certificate, Please Contact:

Andhra Pradesh Technology Services Limited

Guntur

3. Submission of Hard Copies:

At the time of concluding of Agreement

4. Deactivation of Bidders:

Not applicable

5. Payment of Transaction Fee:

It is mandatory for all the participating bidders to pay electronically the Transaction fee to M/S Vupadhi Techno Services Pvt Ltd., through "payment Gateway Service on e-procurement platform". The electronic payment gateway accepts all Master and Visa cards issued by any bank and direct debit facility / Net banking of ICICI Bank, HDFC to facilitate the transaction. Service tax and other charges on the transaction amount payable to M/S Vupadhi Techno Services Pvt Ltd., shall be applicable.

6. Tender Document:

The bidder is requested to download the tender document and read all the terms and conditions mentioned in the tender document and seek clarification if in doubt from the Tender Inviting Authority. Any offline bid submission clause in the tender document shall not be considered.

The bidder has to keep track of any changes by viewing the addendum / corrigendum's issued by the Tender inviting Authority on time-to-time basis in the e-procurement platform. The department calling for tenders shall not be responsible for any claims/problems arising out of this.

7. Bid submission Acknowledgement:

The user should complete all the processes and steps required for bid submission. The successful bid submission can be ascertained once acknowledgement is given by the system through bid submission number after completing all the process and steps. GOAP and M/S Vupadhi Techno Services Pvt Ltd is not responsible for in completed bid submission by users. Users may also note that the incomplete bids will not be saved by the system and are not available for the Tender Inviting Authority.

28.	General Terms & Conditions
	<p>To qualify for consideration of award of contract each tenderer should fulfill the following criteria.</p> <ol style="list-style-type: none"> 1. The details and certificates are to be furnished as per the proforma available in the tender schedules. 2. The tenderer should have the key and critical equipment (either owned or leased) as mentioned in the tender document. 3. The bidder is subjected to be disqualified and liable for black listing and forfeiture of EMD, if he is found to have misled or furnished false information in the forms/statements/ certificates submitted in proof of qualification requirements. 4. Even while execution of the work, if found that the contractor had produced False/fake certificates of experience he will be liable for black listing and the contract will be liable for termination and liable for forfeiture of EMD and all the amounts due to him. <p><u>Special Conditions:</u></p> <ol style="list-style-type: none"> 1. The successful bidder is permitted to submit the alternative engineering solutions / Designs having elegant architectural finishing with aesthetic look, which suit the site conditions and fulfill the Technical requirements, duly considering all Technical parameters, Socio- Economic ,site constraints like existing ROB etc as well as existing/projected traffic conditions within the available ROW and Cost. 2. The alternative design so proposed by the successful bidder should strictly adhere to all relevant engineering practices, codes of IS / MoRT&H with no additional cost ,time and

land.

In the event of cost of 'approved alternate design' is less than the IBM cost, then the cost will be reduced proportionately as per Standard Rates/ Engineering practices basing on the Estimate of approved alternate design and no additional cost will be paid if it is more. Please note that no additional time will be granted for the alternate design as the time is the essence and the bidder is expected to carry out the entire project within allotted 24months

3. The interim payments to the successful bidder shall be made as per the mile stones/ payment schedule mentioned in the Agreement. In case of Alternate Design, the same will be followed upon approval of the Design and finalization of cost. As mentioned earlier, no additional cost on account of alternate design will be allowed.

4. The client reserves the right to make additions/ deletions to the conditions and is final and binding on both parties. The client will be assisted by a consultant /Project Management Consultant for the execution of the project and the successful bidder is expected to liaise with them for day to day to monitoring concerning to the execution, Quality aspects, etc. However the client is the final authority for approval and no payment will be made without client approval.

5. Tenders with an excess of more than 5 % over the internal benchmark value arrived by the department shall be summarily rejected.

6. In respect of tenders beyond 25 % less than Internal Benchmark arrived by the Department, a Bank Guarantee for the difference between the tendered amount and 75 % of internal benchmark value should be furnished at the time of agreement as additional security deposits.

7. Transaction Fees: The transaction fee has to be paid through electronic gate way payment system to **M/S Vupadhi Techno Services Pvt Ltd.**, by each participating bidder at the time of Bid submission.

8. e-procurement Corpus fund: An e-procurement corpus fund administered by APTS has to be paid by the successful bidder by way of online payment to A.P. Technological Services at the time of concluding the Agreement.

9. 0.10 % N.A.C has to be paid by the successful bidder to be recovered from the bills during execution.

10. The e-procurement application is PKI enabled and supports the digital certificates issued by APTS, for signing the bids at the time of submission by contractor. The contractor has to procure digital certificates issued by APTS Ltd., Hyderabad as per the procedure. Digitally signed bids are to be submitted electronically through e-procurement, without which the tender will not be considered for opening the Price Bid.

11. The bidders intend to know the procedure of bid submission on e-procurement

platform; suitable training will be given by M/S Vupadhi Techno Services Pvt Ltd.

12. Government reserves the right to cancel/alter the bid conditions at any time.

13. The bidder should submit a copy of valid APVAT registration certificate issued by the VAT registration authority.

14. In case of discrepancy between the price quoted online and in supporting documents uploaded, then the price quoted in the template provided online only would be the considered for evaluation.

SCOPE OF WORK:

Investigation, Survey, Design, Engineering and Construction of A 'COMPOSITE THREE LEVEL GRADE SEPERATOR' CONSISTING OF ONE 6 LANE VEHICULAR UNDERPASS (VUP) AND TWO ELEVATED FLYOVERS AT TWO DIFFERENT LEVELS, i.e., A 3-LANE FLYOVER WITH ROTARY AT 1ST LEVEL AND A THROUGH 4 LANE FLYOVER AT 2ND LEVEL with Architectural finishing, AESTHTICS, Service Roads, on all four sides of intersection, Approach roads/Ramps, Shifting of utilities, site clearance, demolition of structures, drainage disposal system, Pedestrian walk-ways, utility duct, foot paths, junction improvements, bus stops, dividers, road lighting / bus stop lighting, landscaping, street furniture such as traffic signage, road marking, guard rails, zebra crossings etc., at NAD JUNCTION in Greater Visakhapatnam on the basis of Engineering, Procurement & Construction (EPC) Design & Built mode. (Including DLP of 2 Years)

Following design and construction items are also form the scope of work:

- i. Submission of designs (geometric and engineering) including Structural reports etc., with all necessary surveys and investigations like Geo-Technical, Traffic, Socio-Economic etc.,
- ii. Geo Tech and Traffic Surveys have to be done for 30 Years projection as per relevant clauses of IRC, MoRT&H, Foundation Engineering etc.,
- iii. The entire Structure is to be planned within the available land/ROW and no additional land acquisition is to be proposed.
- iv. Pre-Cast Segmental Construction should be adopted for the structure, and in-situ construction should be minimum.
- v. Bidders should submit detailed designs and detailed BOQ with data for approval
- vi. Interface Management Plan
- vii. Traffic management / diversion plan
- viii. Construction schedule and plan
- ix. Site clearance and demolition of structures in ROW
- x. Construction of Island and other junction improvements, and Landscaping beautification, Signalization, and others etc
- xi. Foot paths
- xii. Shifting of utilities
- xiii. Proper drainage facilities for the entire structure.
- xiv. Service Roads, Ramps etc

- xv. Architectural Finishing's etc.,
- xvi. Landscaping work
- xvii. Street furniture: traffic signs, road markings, delineators, guardrails / fencing, zebra crossing etc.
- xviii. Krebs: median, channelizes, dividers etc.
- xix. Electrical Illumination
- xx. Provision for cables / pipes crossings

NOTE:

The bidder should consider the alignment of proposed METRO at NAD Junction, existing RoB of RAILWAYS and existing BRTS at NAD Junction / Arterial Road (VAA ROAD), While designing.

1. Appropriate state of the art Construction Procedures & technologies shall be adopted for constructing an integrated solution and possible alternatives shall be explored for providing best possible solutions at every stage of Construction of the system including foundations, substructures, superstructures, service roads and drains wherever necessary, Approaches, Crossings etc., and the proposed network shall be compatible with the existing system and necessary junction improvements, bus bays, providing caution, informatory and direction sign boards should be done in order to make it compatible with the proposed system and to commission the same.
2. The Grade Separator shall be designed in such a way that there shall not be any traffic jams at the junction and plan it such a way that it should cater need in the emergencies. Proper arrangements should be made for drainage for flood water to facilitate free flow of traffic.
3. Design Features of the proposed integrated three level Grade Separators include, but not limited to complete scope and deliverables of the bid but also extend to the requirements of the traffic and topographical features of the junction for providing better technically and economically viable solution:
4. The Bidder shall conduct Auto level and ETS survey and establish Permanent Bench Marks at regular intervals with reference to GTS/DGPS in order to execute the work. The EPC Agency shall submit the Designs and Drawings duly taking into account & compatible with the existing road network and existing RoB and Water carrying pipe line culvert.
5. After approval of the Drawings and Designs by the competent authority, the EPC Agency shall submit detailed estimates along with BoQ's based on the approved drawings which will be approved by the Dept. authorities based on which the execution shall be done. As per the provisions of EPC system, this shall form the

basis of payment within the overall % break up mentioned in the document.

6. It shall be expressly understood by the EPC Agency that the Drawings and details appended at the time of bidding are only indicative but not exhaustive.
7. The time for completion of the project is **24 months**.
8. Issue of bid document will not automatically construe the eligibility of the bidders for participation in the subsequent bidding process and will be determined during evaluation.
9. Department reserves the right to accept or reject any or all the bids without assigning any reasons whatsoever.
10. The dates stipulated in the NIT are firm and under no circumstances they will be relaxed unless officially extended.
11. The bidders shall submit their tenders online only. The department is not responsible for any sort of difficulties for the problems in the Internet, website in submission of tenders.
12. Other conditions can be seen in the bidding document.
13. Issue of bid document will not automatically construe the eligibility of the bidder(s) for participation in the subsequent bidding process and eligibility will be determined during evaluation.
14. The Vice Chairman, VUDA, Visakhapatnam reserves the right to accept or reject any or all the bids without assigning any reason what so ever.
15. The dates stipulated in the NIT are firm and under no circumstances they will be relaxed unless officially extended.
16. The bidders shall submit their tenders online only. Any sort of difficulties for the problems in the Internet, Web site, in submission of tender, the department is not responsible.
17. Government reserves the right to cancel/alter the bid conditions at any time.
18. In the process, if the works are stalled due to legal intervention or due to natural calamities, no compensation will be paid.
19. All necessary permissions / clearance / approvals are to be processed and obtained by the firm only. As a user agency this Department will initiate the proposals in respect of above.

20. All land cost required for the disposal of muck is rest with firm only i.e., no land will be supplied by the department.

Note:- The Internal Bench Mark (IBM) is arrived based on the probable quantities indicated in the deliverables. Any decrease in deliverable quantities will be regulated based on the rates adopted for fixing of IBM.

The Internal Benchmark (IBM) of the scope of work and deliverables is arrived (Excluding other reimbursable items such as VAT / GST as applicable, NAC, Seigniorage charges (Seigniorage charges are reimbursable on production of proof for all other items of work).

**Sd/-xxxx
Chief Engineer
VUDA**