

M/s. *East Coast Automobile Services Private Limited* **(ECASPL)**

(Special Purpose Vehicle (SPV))

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TENDER REFERENCE No. TN/CUDDALORE PIE/IE/2024-25

TENDER FOR THE DEVELOPMENT OF INFRASTRUCTURE AND AMENITIES OF MARUTHADU INDUSTRIAL ESTATE

Date & Time of Release of Tender	14.11.2024, 10.00 AM
Date & Time of Pre-Bid Meeting	29.11.2024, 11.00 AM
Last Date & Time for Submission of Bid	16.12.2024, 12.00 pm
Date & Time of Opening of Bid	16.12.2024, 02:00 PM

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**TENDER FOR THE INFRASTRUCTURE WORKS AND AMENITIES FOR EAST COAST
AUTOMOBILES SERVICES, CUDDALORE**

1.	PREAMBLE								
<p>Government of Tamilnadu has formulated A special package incentive scheme to the entrepreneurs willing to shift their units outside the urban areas by forming an Industrial estate. The Special Package of Incentives was declared under rule 110 vide G.O (Ms).No. 44 dated 04.09.2013 and G.O (Ms) No.10 dated 19.02.2015.The scheme provides support to infrastructure development such as development of land, power distribution network, provision of water supply, drainage, non-conventional sources of energy for common captive use, construction of roads, telecommunication, pollution control facilities and any other need based infrastructural facilities.</p> <p>Under the scheme, East Coast Automobile Services Private Limited have been sanctioned vide Proc.No.5460/S1/2022 dated 28.12.2022 by TANSIDCO-CO, Chennai to Special Purpose Vehicle (SPV) to undertake the scheme implementation.</p> <p>The scheme envisages establishment of Industrial Estate that should adhere the Tamilnadu Transparency in Tenders Act and Rules. Accordingly, the tender procedures are being undertaken for the development of estate.</p> <p>In this context, the company invites sealed tenders from Civil contractors in “Two Cover System” for the development of roads, admin buildings and other amenities for Industrial estate established by East Coast Automobile Services Private Limited through transparent bidding process. The Tender notification has been published fixing the date of opening of tender on 16.12.2024</p>									
2.	SCOPE OF WORK								
<p>a) The successful tenderer should undertake the development work at 11.57 acres owned by SPV located at Maruthdu village of Cuddalore district as per the drawings and Estimate/Bill of Quantity (BoQ) given in Annexure-I.</p> <p>b) The successful tenderer should complete the infrastructure development work within 150 days from the date of receipt of Work Order. The time line for the cumulative percentage of work to be completed based on the value of work shall be as given below:</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: center;">Days</th> <th style="text-align: center;">Work completion</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1st 40 days</td> <td>Land levelling & Filling, Land surveying and marking boundaries, Fencing ,Roads within the estate - BT at main entrance, Roads within the estate - Concrete, Culvert & Trenches, Kerbstone</td> </tr> <tr> <td style="text-align: center;">2nd 40 days</td> <td>Storm Water Drainage 2m x 1.2m,Sewer system, Underground sump</td> </tr> <tr> <td style="text-align: center;">3rd 40 days</td> <td>Administrative Building, Water Distribution System with water meter to each individual unit</td> </tr> </tbody> </table>		Days	Work completion	1 st 40 days	Land levelling & Filling, Land surveying and marking boundaries, Fencing ,Roads within the estate - BT at main entrance, Roads within the estate - Concrete, Culvert & Trenches, Kerbstone	2 nd 40 days	Storm Water Drainage 2m x 1.2m,Sewer system, Underground sump	3 rd 40 days	Administrative Building, Water Distribution System with water meter to each individual unit
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3 rd 40 days	Administrative Building, Water Distribution System with water meter to each individual unit								

4 th 30 days	Sewerage plant, sewerage system, Electrification
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3. QUALIFICATION CRITERIA

Clause	Qualification Criteria	Supporting Document
3(a)	The tenderer should be a registered legal entity.	(i) In case of Private / Public Limited Companies, <ul style="list-style-type: none"> • Copy of Incorporation Certificate issued by the Registrar of Companies • Copy of Memorandum and Articles of Association (ii) In case of Partnership Firm, <ul style="list-style-type: none"> • Registered Partnership deed (iii) In case of Proprietorship Concern, <ul style="list-style-type: none"> • Copy of Udyog Aadhaar/ GST Registration Certificate / PAN Card.
3(b)	The tenderer should be a registered contractor in PWD/ CPWD/ Highways	(i) Valid Registration Certificate from PWD / CPWD / Highways department (ii) Valid registration of GST
3(c)	The tenderer should have at least 3 years of experience (as on 30 st April 2023) as Civil contractor.	(i) Work orders issued by clients (ii) Performance certificate issued by clients (iii) List of construction works executed in last 3 years as per Annexure-V
3(d)	The tenderer should have been awarded and successfully completed at least three works of similar nature with Government Organizations / Public Sector Undertakings in the last 3 years (as on 30 th April 2023).	(i) Work orders issued by clients (ii) Performance certificate issued by clients
3(e)	The tenderer should have reported an Average Annual Turnover of Rs.5.00 Crores in the last three consecutive financial years i.e. 2021-22, 2022-23 and 2023-24.	(i) The average annual turnover statement duly certified by Chartered Accountant as per Annexure IV (ii) The Annual Report/ certified copies of Balance Sheet, Profit & Loss statement along with schedules for the last 3 consecutive financial years

3(f)	The tenderer should not have been blacklisted for supply of any items or services by any Government departments/agency	The declaration form as per Annexure VI should be enclosed.
4.	LANGUAGE OF THE TENDER	
<p>The Tender prepared by the tenderer as well as all correspondences and documents relating to the Tender shall be in English language only. If the supporting documents are in a language other than English/Tamil, the notarized translated English version of the documents should also be enclosed.</p>		
5.	PURCHASE OF TENDER DOCUMENTS	
<p>a) The tender document shall be downloaded from www.tansidco.tn.gov.in at free of cost. The tenderer should give a declaration for not having tampered the Tender document downloaded from Internet (as per Annexure VII).</p> <p>b) The tender document can be downloaded from 14.11.2024 to 16.12.2024.</p>		
6.	PREBID MEETING	
<p>There will be a pre-bid meeting on 29.11.2024, 11.00 AM in the office of SPV. during which the prospective tenderers can get clarifications about the tender. The tenderers shall send their queries in writing if any so as to reach SPV at least two days prior to the pre-bid meeting date. The tenderers are advised to check www.tansidco.tn.gov.in for up-to-date information like change in date / venue etc., of pre-bid meeting as SPV may not be able to identify and communicate with the prospective bidders at this stage. Non attending of pre-bid meeting is not a disqualification.</p>		
7.	CLARIFICATION ON THE TENDER DOCUMENT	
<p>The tenderers may ask for queries in any of the clauses in the tender document before 48 hours of the opening of the tender. Such queries may be sent in writing to registered office of SPV or by e-mail to cudindest@gmail.com. SPV will upload the clarification on www.tansidco.tn.gov.in. It is binding on the part of tenderers to check the above said websites for any amendments or clarifications posted during the entire tender process.</p>		

8.	AMENDMENT OF TENDER DOCUMENT
<p>SPV whether on its own initiative or as a result of a query, suggestion or comment of an Applicant or a Respondent, may modify the tender document by issuing an addendum or a corrigendum at any time before the opening of the tender, with the concurrence of the tender committee. Any such addendum or corrigendum will be uploaded on www.tansidco.tn.gov.in and the same will be binding on all Applicants or Respondents or Tenderers, as the case may be.</p>	
9.	AUTHORISATION OF THE TENDERER
<p>The Tender should be signed on each page by the tenderer or by the person who is dulyauthorized for the same by the tenderer.</p>	
10.	PRE-VISIT OF SITE
<p>The tenderer, on his/her own responsibility, risk and cost, is advised to visit and examine the site of works at S.F.No. 28/2B,2C, 28/3B, 30/1B2, 30/2B2, 25/2, 28/4B, 28/5B of Maruthadu Village, Nellikuppam Sub-Register office, Cuddalore district and its surroundings and obtain all information that may be necessary for preparing the bid and entering into a contract for the work(s) as mentioned in the Annexure (I).</p>	
11.	SPECIFIC INSTRUCTIONS TO BIDDERS / CONTRACTORS FORQUOTING OF RATES
<p>(a) The contractors are requested to read the detailed specification and quote the rates clearly in the Price bid. Quoting the rates in the Price bid will only be taken up for comparison and shall be final.</p> <p>(b) The tenders invited are based on item wise rates mentioned in the estimate of works/BoQ. Any lumpsum deductions or increase or rebate offered either in the tender or in the covering letter or at any portion of the tender will be ignored and only the rates offered in the Price bid alone will be taken as valid rates and taken up for tender comparison. Rates or Lumpsum amounts for items not called for shall not be included in the tender. Any alteration made by tenderer in the contract form, the conditions to Contract, the drawings, specification, or quantities accompanying the same will not be recognised and if any such alterations are made the tender will be void.</p> <p>(c) The tenderer / contractor will make his/her/their own arrangements to procure and use ISI Brand Cement and ISI Brand steel required for the work.</p> <p>(d) It should be clearly understood that the rate quoted by the tenderer / contractor is inclusive of incidental charges such as conveyance, loading, unloading, stacking at site and testing charges etc., complete.</p>	

- (e) The tenderer / contractor will produce test certificate obtained from any one of the Govt. institutions for cement and steel brought to site. And only when the test results confirm to the ISI specification they will be allowed to be used in the works.
- (f) The tenderer / Contractor should strictly follow above instructions without fail.

12. SUBMISSION OF TENDER IN TWO COVER SYSTEM

- (a) Every page of the terms and conditions of the tender document should be signed and enclosed with the tender, in token of having accepted the tender conditions. Failing which the tender will be rejected summarily.
- (b) Tenders should be submitted in two parts:
 - i. Part I will cover technical bid and
 - ii. Part II will cover price bid
- (c) Tenderers should ensure submission of all documents pertaining to Part-I and Part II proposals separately as per the Check list given in Annexure -X.
- (d) Tenderers are requested to place Part I and Part II documents in separate sealed covers. Part I cover to be superscripted as **“Part I – Technical bid”** and Part II cover to be superscripted as **“Part II – Price bid”** respectively, mentioning the name and address of the Tenderer in each of the both covers. These two sealed covers (Part I and Part II) must be placed in a single outer cover superscripted as **“Tender for Infrastructure Development of Industrial Estate by Maruthadu Industrial Estate”** and addressed to **“M/s East Coast Automobile Services Private Limited situated at Regd. Office: D.P-25, SIDCO Estate, Nellikupam Main Road, Sammandalam, Cuddalore, Tamilnadu-607001”** mentioning the name and address of the Tenderer in the outer cover. **Tenders shall be submitted in sealed cover and unsealed tenders would summarily be rejected.**
- (e) Tenders should be dropped only in the tender box kept at the office of **“M/s East Coast Automobile Services Private Limited situated at Regd. Office: D.P-25, SIDCO Estate, Nellikupam Main Road, Sammandalam, Cuddalore, Tamilnadu-607001,** on or before 12.00 PM on 16.12.2024. Tenders will not be received by hand.
- (f) Alternatively, the tenders can be submitted through registered post so as to reach the above address on or before 12.00 PM on 16.12.2024. Tenders received after the specified time will not be considered and SPV will not be liable or responsible for any postal delays.
- (g) A tender once submitted shall not be permitted to be altered or amended.

13. EARNEST MONEY DEPOSIT

- (a) The Tender should be accompanied by an Earnest Money Deposit (EMD) to the value of Rs.2,20,000 /- (Rupees Two Lakh Twenty Thousand only) in the form of Account Payee Demand Draft drawn on any Indian Nationalized/Scheduled Commercial Bank in favour of

“East Coast Automobile Services Private Limited”, payable at Cuddalore. The EMD in any other form will not be accepted. The Earnest Money Deposit will be returned to the unsuccessful tenderers.

- (b) The Earnest Money Deposit will be retained in the case of successful tenderer and it will not earn any interest and will be dealt with, as provided in the terms and conditions of the tender.
- (c) Any request of the tenderer, under any circumstances claiming exemption from payment of EMD will be rejected and their Part II price offer will not be opened.
- (d) If the tenderer emerges as the successful bidder and after subsequent issuance of letter of acceptance by the SPV, failure to sign the agreement, to remit the Security Deposit or to execute the contract as per tender conditions, will result in the forfeiture of the EMD amount remitted.

14. VALIDITY

The rate quoted in the Tender should be valid for the acceptance by the SPV for a minimum period of 150 days from the date of opening of the Tender. The accepted rate of the successful tenderer is valid till the entire contract is fully completed. Escalation in the rates will not be entertained under any circumstances.

15. OPENING AND EVALUATION OF THE TENDER

- (a) The tender box will be closed at 12.00 PM as per the office clock on 16.12.2024 and the received tenders in the tender box will only be opened. Tenders received after specified date and time will not be accepted. The Tender will be opened by the Tender committee at 02:00 PM on the same day in the presence of the available Tenderers/representatives of the Tenderers who choose to be present. The Tenderers or their authorized agents are allowed to be present at the time of opening of the tenders.
- (b) Tender Committee will inform the attested and unattested corrections, before the Tenderers and sign all such corrections in the presence of the Tenderers. If any of the Tenderers or agents not present then, in such cases the Committee will open the tender of the absentee Tenderer and take out the unattested corrections and communicate it to them. The absentee Tenderer should accept the corrections without any question whatsoever.
- (c) If the date fixed for opening of the tender happens to be a government holiday, the sealed tenders will be received up to 12.00 PM on the next working day and opened at 02:00 PM on the same day.
- (d) The Technical bid will be evaluated by the tender committee in terms of the qualification Criteria. The committee reserves the right to disqualify any of the tender in case the Committee is not satisfied with the documents furnished.
- (e) After the completion of evaluation of technical bids, the tenderers declared as qualified by the Committee, will be informed the date of opening of Price bid (Part II).

16.	PRICE OFFER
<p>(a) The Price bid should be kept only in the Part II cover.</p> <p>(b) The price bid should be prepared as per Annexure-IX.</p> <p>(c) The price should be neatly and legibly written both in figures and words.</p> <p>(d) In case of discrepancy between the prices quoted in words and figures lower of the two shall be considered.</p> <p>(e) If a bidder quotes NIL charges/consideration, the bid shall be treated as unresponsive and will not be considered.</p> <p>(f) Part-II bid should not contain any commercial conditions. Variation in the commercial terms and conditions of the tender will not be accepted.</p>	
17.	EVALUATION OF THE PRICE
<p>(a) The Tender committee will examine for complete, properly signed and error-free nature of the Price bid (Part II)</p> <p>(b) The comparison of the rates offered shall be based on the total all inclusive rates offered (i.e. sum of all inclusive rate offered for all the tendered items).</p>	
18.	AWARD OF CONTRACT
<p>The Tenderer who has quoted lowest price (L1) will be invited for negotiations. After finalizing the negotiated rate, Letter of Acceptance will be issued, on receipt of building plan approval from competent authority.</p>	
19.	SECURITY DEPOSIT
<p>(a) On receipt of the Letter of Acceptance from SPV, the successful tenderer should remit a Security Deposit (SD) of 2% of the value of the contract in the form of Account payee Demand Draft from any Indian Nationalized/Scheduled Commercial Bank or irrevocable Bank Guarantee with a validity period of one year in favour of “East Coast Automobile Services Private Limited”, payable at Cuddalore, within 15 (Fifteen) working days from the date of receipt of letter of acceptance. The EMD shall be adjusted with the Security Deposit.</p> <p>(b) Any other amount pending with SPV will not be adjusted under any circumstances, against the Security Deposit if so requested.</p>	

(c) If the Security Deposit amount is not paid within the time specified, the EMD remitted by the tenderer shall be forfeited, besides cancelling the communication of acceptance of the Tender.

(d) Security Deposit amount remitted will not earn any interest

20. ISSUE OF WORK ORDER

After payment of Security Deposit, Work Order will be released within 15 days by the SPV. The successful tenderer should complete the construction of industrial work shed buildings and amenities within 150 days from the date of receipt of Work Order.

21. AGREEMENT

The successful tenderer should execute an agreement after release of work order as may be drawn up to suit the conditions on a non-judicial stamp paper of value, as prescribed in law on the date of remittance of Security Deposit and shall pay for all stamps and legal expenses incidental thereto. In the event of failure to execute the agreement and providing the details of Technical Assistants & Willingness letter, within the time prescribed, the EMD/SD amount remitted by the tenderer will be forfeited besides cancelling the Tender.

22. SCHEDULE OF WORK

(a) The entire contract of Construction of the internal road, STP, Building, Entrance arch and culverts should be completed and handed over in 150 days' time from the date of issue of the Work Order and the schedule is given below:

Days	Work completion
1 st 40 days	Land levelling & Filling, Land surveying and marking boundaries, Fencing ,Roads within the estate - BT at main entrance, Roads within the estate - Concrete, Culvert & Trenches, Kerbstone
2 nd 40 days	Storm Water Drainage 2m x 1.2m,Sewer system, Underground sump
3 rd 40 days	Administrative Building, Water Distribution System with water meter to each individual unit
4 th 30 days	Sewerage plant, sewerage system, Electrification

(b) Delay beyond this period will attract a penalty.

(c) ECASPL at its discretion, shall extend the timeline without penalty. Suppose the contract is not completed within the stipulated time or extended time. In that case, ECASPL will have full authority to cancel the tender or take any such action that will be deemed fit to the occasion at the risk and cost of the successful bidder. Such cancellation will entail forfeiture of the Security Deposit.

23.	EMPLOYMENT OF TECHNICAL ASSISTANTS
<p>(a) The tenderer shall employ qualified technical persons at his cost to supervise the work and the tenderer should ensure the presence of the technical persons at the site of work during working hours, monitoring all items of works and paying extra attention to such works as may demand special attention.</p> <p>(b) A movement register should be opened and maintained for Technical persons employed by the Contractor. The Technical persons should note the arrival and the departure timings every day along with their initials in a register. Such Register should be reproduced during inspection of the Inspecting Officers (Tender committee members).</p>	
24.	Defect Liability Period and its Rectification
<p>(a) The Defect Liability Period for the construction of internal roads and culverts shall be 12 months from completion and formal handing over of the works, as certified by a Chartered Engineer. Any defects arising during this period due to faulty workmanship or materials should be rectified by the successful bidder at their own expense.</p> <p>(b) Any deficiencies in the road and culvert work, such as surface cracking, inadequate compaction, or drainage issues, that require corrective measures or repairs to ensure structural integrity and functionality should be addressed by the successful bidder. This includes any necessary replacement or repair work, all of which will be undertaken at the bidder's cost.</p> <p>(c) The successful bidder should provide a bank guarantee equivalent to 5% of the total contract value, valid for 12 months, as security for the Defect Liability Period.</p>	
25.	PAYMENT TERMS
<p>(a) An amount of 20% of the contract value shall be paid as advance against submission of bank guarantee for an equivalent amount with a validity period of 1 year. The advance amount shall be recovered by ECASPL in the first 4 payments equally i.e. 5.00% of the contract value will be recovered in each of the first 4 payments.</p> <p>(b) Payment will be made on monthly basis based on the quantity of work completed, submission of Chartered Engineer's (Civil) certificate and valuation certificate and based on the inspection report by Tender Committee, after deducting applicable taxes.</p> <p>(c) GST and rate of Tax Deduction at Source under GST will be operated for the contract as per Government Orders in force and other Circular instructions issued from time to time.</p> <p>(d) The bidder shall submit a statement to the ECASPL, signed by the authorized representative of the bidder, for the work executed up to the end of the 31st day of the month in a tabulated form approved by the ECASPL, showing the amounts to which the bidder considers himself to be entitled.</p> <p>(e) Retention Money - For each monthly payment, 5% of the value will be withheld as retention money. The maximum amount of Retention money to be withheld is restricted up to 5% of the contract value.</p> <p>(f) The retention money and SD will be released only after satisfactory completion of the</p>	

entire contract based on the inspection report by ECASPL and submission of Chartered Engineer's work completion and valuation certificate and bank guarantee equivalent to 5% of the total value of contract valid for 12 months towards Defect Liability. If the bidder fails to submit the bank guarantee, only the SD will be released and the retention money of 5% will be retained and will be released only after the completion of Defect Liability period.

- (g) ECASPL also reserves the right to recover any dues from the bidder, which is found on later date, during audit/excess payment, after final settlement is made to them. The bidder is liable to pay such dues to the ECASPL immediately on demand, without raising any dispute/protest.

26. PENALTY

- (a) Failure to execute the entire contract within 150 days from the date of issue of work order will attract a penalty of 1% per week, on the full value of the contract upto a maximum of 5%. Delays beyond that period will be viewed as violation of the contract terms and will be dealt accordingly.
- (b) Tender Committee reserves the right to inspect the site at any point of time during the contract period to ensure the progress and quality of work carried out. During the inspection, if any discrepancies found in the quality of work / material used, the tender committee reserves the right to order for any rework(s) / replace any item(s) of material, as the case may be, in order to ensure the quality of work / progress as per the contract terms.
- (c) All the materials used for construction shall be first use, new, highquality material. Old or Used materials will not be accepted and if found, the decision of Committee, either for rework / replace / deduction in payment shall be binding on the contractor.
- (d) Any delay on the part of ECASPL should be intimated and sorted out immediately without affecting the progress of works.

27. TERMINATION OF CONTRACT

ECASPL reserves the right to terminate the contract at any time during the validity period on account of non-fulfillment of contract or for any of the reasons.

28. GENERAL CONDITIONS

- (a) Conditional tender in any form will not be accepted.
- (b) Any notice regarding any matters, to the contractor shall deemed to be sufficiently served, if given in writing to his usual or last known place of business.

- (c) Tender committee reserves the right to relax or waive or amend any of the tender conditions.
- (d) The successful tenderer shall not outsource/off load either full or part of the work to any other agency / individual.
- (e) If the performance of the tenderer is not as per the schedule, then tender committee reserves the right to cancel / reallocate full or part of the contract, at any stage of the contract execution.

29. ARBITRATION

- (a) In case of any dispute in the tender, including interpretation, if any, on the clauses of the tender or the agreement to be executed, the matter shall be referred by SPV / Tenderer to an Arbitrator to be appointed by the Parties hereto by mutual agreement. If no such Arbitrator could be appointed by mutual consent, the matter may then be referred to the Branch Manager, SIDCO, Cuddalore for nominating an Arbitrator, the Arbitration proceedings being governed by the Arbitration and Conciliation (Amendment) Act 2015.
- (b) The venue of the Arbitration shall be at the District Industries Centre (DIC) SIDCO of Cuddalore District. The decision of the Arbitrator shall be final and binding on both the parties to the Arbitration.
- (c) The Arbitrator may with the mutual consent of the parties, extend the time for making the award. The award to be passed by the Arbitrator is enforceable in the court at Cuddalore only.

30. JURISDICTION OF THE COURT

Any dispute arising out of non-fulfillment of any of the terms and conditions of this Agreement or any other dispute arising out of the arbitration award will be subject to the jurisdiction of the Courts in the City of Cuddalore only.

We agree to the above terms and

conditions.**SIGNATURE OF THE TENDERER:**

DATE:

NAME IN BLOCK LETTERS:

DESIGNATION:

ADDRESS:

ANNEXURE - I

S.No	Description of item	Nos			L	B	D	Quantity
1	Earth work excavation for foundation and depositing on banks with initial lead of 10 m and initial lift of 2 m in sand, silt or other loose soil, wet sand or silt not under water, light black cotton soil, sandy loam and ordinary soil, including excavated earth and hard stiff clay, stiff black cotton, hard red earth, shales, murrum, gravel, stoney earth and earth mixed with small size boulders, etc., inclusive of shoring, strutting and bailing out water wherever necessary etc., complete complying with standard specifications and as directed by the departmental officers.							
	Drainage along road side	1	x	1	1010.0 0	1.00	0.75	757.50
	Box culvert	1	x	6	4.00	1.70	1.20	48.96
	For Fencing posts (all around the plot)	1	x	570	0.75	0.75	0.60	192.38
	Add extra							2.18
	Total							1001.02
2	Providing and Laying of Plain Cement concrete of 1:3:6 grade (one Cement three M.Sand and six Aggregate) using 40 mm HBGS jelly to IS specified grading and mixing by mixer machine including dewatering by bailing/pumping wherever necessary laying the concrete in layers and in bays with all leads and lifts , compacting and finishing the surface, watering, curing etc., for various depth and height below and above Ground level so as to obtain the profile and strength specified inthe drawings as per the direction of the departmental officers and complete complying with standard specification.							
	For approach road	1	x	1	950.00	3.60	0.15	513.00
	Box culvert	1	x	6	4.00	1.70	0.15	6.12
	Water Tank	1	x	1	11.00	4.00	0.15	6.60
	Drainage along road side	1	x	1	1005.0 0	0.90	0.15	135.68
	For Kerb wallon both side of drainage	1	x	1	1100.0 0	0.30	0.150	49.50
	For Fencing posts (all around the plot)	1	x	570	0.75	0.75	0.45	144.28
	Add extra							0.29
	Total							855.47
3	Cement Concrete 1:4:8 (one part oif Cement, Four part of Sand, Eight part of Aggregate) using 40mm Hand Broken granite stone jelly for foundation and apron, dewatering if found necessary and laid in layers of not exceeding 15cm thick including laying, finishing and curing etc., complete complying with standard specifications and as directed by the Engineer in charge of work.							
	For Fencing posts	1	x	570	0.75	0.75	0.15	48.09

4	Supplying and erecting steel centering including necessary supports for plain surfaces such as column footings, column pedestals, plinth beams, grade beams, staircase steps, etc. which require only nominal strutting using mild steel sheets of size 90cm x 60cm and 10 BG stiffened with welded mild steel angles of size 25mm x 25mm x 3 mm for boarding, laid over silver oak joists of size 10cm x 6.5cm spaced at about 75cm centre to centre or at suitable intervals etc. complete complying with standard specification and as directed by the departmental officers. (Below Sill) (Payment for centering shall be given after the concrete is laid)							
	For Slabs, short walls and shear keys							
	For approach road	1	x	2	950.00		0.15	285.00
	For Drainage along road side base slab	1	x	2	1005.00		0.15	301.50
	For culvert base slab	1	x	6	4.00		0.15	3.60
	Add extra							2.04
								592.14
5	Supplying and erecting centering for sides and soffits including necessary supports and strutting upto 3.29 M height for plane surfaces as detailed below in all floors with all cross bracings using Mild Steel sheets of size 90 x 60 cm and 10 BG stiffened with welded Mild Steel angle of size 25mm x 25mm x 3 mm for boarding laid over silver oak joists of size 10cm x 6.50 cm spaced at abote 90 cm centre to centre and supported by casurina props of 10cm to 13 cm dia spaced at not more than 75 cm centre to centre etc. complete complying with the standard specificalton. (Payment for centering shall be given after the concrete is laid)							
	For Drains walls and Culvert							
	For Drainage along the road RHS side walls	1	x	2	1005.00		0.45	904.50
	For Drainage along the road LHS side walls	1	x	2	1005.00		0.45	904.50
	Centering for Side walls of culverts inner side	6	x	2	4.00		0.75	36.00
	Centering for Side walls of culverts outer side	6	x	2	4.00		0.75	36.00
	Centering for Roof slab Sides of culverts	6	x	2	4.00		0.15	7.20
	<i>Water Tank</i>							
	Long Wall	1	x	4.000	10.540	3.000		126.48
	Short Wall	1	x	6.000	4.000	3.000		72.00
	Top Salb	1	x	1.000	10.540	4.000		42.16
	Bottom Slab	1	x	1.000	29.080	0.500		14.54
	Add extra							1.60
	Total							2144.98

6	Providing and laying in position, Standardised Concrete Mix M-20 Grade in accordance with IS:456-2000, using 20mm and down graded hard broken granite stone jelly for all RCC items of works with minimum cement content of 325 kg/m ³ and maximum water cement ratio of 0.55, including admixture (plasticiser / super plasticiser) in recommended proportions as per IS:9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability with about (5 cu.m.) 7730 kg. of 20mm machine crushed stone jelly and with about (3.3 cu.m.) 5156 kg. of 10-12mm machine crushed stone jelly and with about (4.79 cu.m.) 7670 kg. of sand, but excluding cost of reinforcement grill and fabricating charges, centering and shuttering and also including laying, vibrating with mechanical vibrators, finishing, curing, etc. and providing fixtures like fan clamps in the RCC floor/ roof slabs wherever necessary without claiming extra, etc., complete complying with standard specification and as directed by the departmental officers. The coarse and fine aggregates to be used should comply with the requirements of IS Standards. (No separate payment will be made by the Department for the excess usage of materials).							
	Long Wall	1	x	2.000	10.540	0.180	2.00	7.59
	Short Wall	1	x	3.000	4.000	0.180	2.00	4.32
	Top Slab	1	x	1.000	10.540	4.000	0.15	6.32
	Bottom Slab	1	x	1.000	10.840	4.300	0.20	9.32
						Total:		27.55
7	Supplying, fabricating and placing in position of Mild steel or Ribbed tor steel reinforcement grills for all RCC works as per the approved drawings and detailed specifications including cost of steel, binding wire, labour charges for cutting, bending and placing in position etc., complete complying with standard specifications and as directed by the Engineer in charge of the work.							
	Steel requirement for RCC							
	For Box culvert slab	1	x	6	57.00	kg		342.00
								342.00
								3.42
	Add extra							1.22
	Total(A)							4.64
	Reinforcement for 1Post of 3.65 m height							
	Main rod 8mm Ø RTS - 4Nos	1	x	4	3.65	--	--	14.60
	strups 8mm RTS @ 15cm Ø c/c	1	x	24	0.65	--	--	15.60
								30.20
	6mm Ø RTS weight per RM =0.22kg	Steel required for 1 Post = 30.20X0.22 =						6.64
	Reinforcement for 1Post of 3.05 m height							
	Main rod 8mm Ø RTS - 4Nos	1	x	4	3.05	--	--	12.20
	strups 8mm RTS @ 15cm Ø c/c	1	x	21	0.65	--	--	13.65
								25.85
	6mm Ø RTS weight per RM =0.22kg	Steel required for 1 Post = 30.20X0.22 =						5.69
	Total weight for 3.65 m height post							2524.72
	Total weight for 3.05 m height post							1080.53
								3605.25
	Total (B)							(or) 36.05

	Vertical Bar	12.00 mm	2	260.000	0.888		461.66	
	Horizontal Bar	8.00 mm	2	23.400	0.395		18.47	
	Ubar	10.00 mm	10	12.600	0.617		77.68	
	Hunch Bar	10.00 mm	1	195.000	0.617		120.22	
	Transverse- Bottom Slab+Top Slab	8.00 mm	4	275.000	0.395		434.04	
	transverse- Bottom Slab+Top Slab	8.00 mm	4	275.000	0.395		434.04	
							309.22	
	Total ©						1,855.35	35.38
	Total A+B+C							76.07
8	<p>Providing and Laying in position , Plain Cement concrete of M15 grade design mix with downgraded aggregates of nominal size coarse aggregate maximum size of 60 % of 20 mm and 40% of 12 mm and down graded conforming to IS Specified grading (To achieve the specified characteristic strength of 15 N/mm² in 28 days)and mixing the ingredient by approved mixer machine including dewatering the placement site by bailing/ pumping wherever necessary laying the concrete in layers and in bays with all leads and lifts, compacting and finishing the surface, watering, curing etc., for various depth and height below and above Ground level so as to obtain the profile and strength specified in the drawings as per the direction of the departmental officers and complete complying with standard specification</p>							
	For Drainage along the road sides RHS walls	1	x	1	1005.00	0.20	0.450	90.45
	For Drainage along the road sides LHS walls	1	x	1	1005.00	0.20	0.450	90.45
	For Drainage along the road sides base slab	1	x	1	1005.00	0.90	0.15	135.68
	For Box Culvert side wall	6	x	2	4.00	$\frac{(0.2+0.3)}{2}$	0.75	9.00
	For Box Culvert bottom slab	1	x	6	4.00	1.50	0.15	5.40
	Box culvert roof slab	1	x	6	4.00	1.05	0.15	3.78
	Add extra							2.23
	Total							336.99

9	Providing and laying cement concrete (wearing concrete) M30 grade design mix using crushed broken hard granite aggregate (well graded) of Nominal Maximum size of 20mm and down grade to I.S grading (to achieve the specified characteristics strength of 30N/mm ² in 28 days) and mixing the ingredients in approved mixer, placing in bays, vibrating, water curing, finishing the surface with all leads and lifts etc complete as per MORTH specification No.1500, 1700 & 2200 etc., complete as per standard specification and as directed by departmental officers.							
	For approach road	1	x	1	950.00	3.60	0.15	513.00
								1.81
	Total							514.81
10	Casting and fixing of RCC PRECAST POSTS of size 3.65 m x 0.10m x 0.10m in cement concrete 1:2:4(One Cement, Two sand and four metal) using 20mm hard broken granite stone jelly excluding cost of reinforcement grills but including moulding, plastering the top side with cement mortar 1:3 (One cement and three sand) 10mm thick, finishing etc., including cost of loading, conveying to work site, unloading, stacking and fixing in position at work site with necessary supports.complying with standard specification and as directed by the Engineer in charge of work.							
	Vertical Post @ 3m Interval	1	x	300	--	--	--	300
	Extra Vertical Post for pathways and level changing locations	1	x	40	--	--	--	40
	Side support @ every 30m c/c	1	x	40	--	--	--	40
								380
11	Casting and fixing of RCC PRECAST POSTS of size 3.05 m x 0.10m x 0.10m in cement concrete 1:2:4(One Cement, Two sand and four metal) using 20mm hard broken granite stone jelly excluding cost of reinforcement grills but including moulding, plastering the top side with cement mortar 1:3 (One cement and three sand) 10mm thick, finishing etc., including cost of loading, conveying to work site, unloading, stacking and fixing in position at work site with necessary supports.complying with standard specification and as directed by the Engineer in charge of work.							
	Vertical Post @ 3m Interval	1	x	150	--	--	--	150
	Extra Vertical Post for pathways and level changing locations	1	x	20	--	--	--	20
	Side support @ every 30m c/c	1	x	20	--	--	--	20
								190
12	Supplying and Erecting the GI Chain Link Fencing Of 2"X2" size opening to a height of 2.40 M including cost of all materials and labour charges etc., Complete complying with standard specification and as directed by the Engineer in charge of work.							
	For Fencing	1	x	1	1400.00	--	2.40	3360.00
13	Fencing with Barbed Wire - 10 Gauge - Two ply and four pronged (Galvanised) including cost of all materials and labour charges etc., Complete complying with standard specification and as directed by the Engineer in charge of work.							

	Fencing 3 Rows on top	2	x	3	1400.0 0	--	--	8400.00
14	Excavating, transporting, and spreading earth materials to precision grades within fields as shown on the cut/fill design sheet.Site Preparation:All lands to be leveled shall be cleared of brush, crop residue, trash, and excessive vegetative material to the extent that such material will not inhibit earth moving operations. The land must be smoothed or floated to firm the soil and permit an accurate design survey.Except as shown on drawings, trash and brush materials shall be removed from the site and disposed of in a manner as direction by the departmental officer							
	Land levelling and filling	1	x	1	11.57			11.57
	Total							11.57
15	Carrying out survey using modern instrument and preparation of area maps including boundary fixing and laying boundary stones as per the instruction of the departmental officers							
	For the plot	1	x	1	11.57			11.57
	Total							11.57
16	Providing and fixing at or near ground level precast cement concrete in kerbs, edgings etc. as per approved pattern and setting in position with cement mortar 1:3 (1 Cement : 3 coarse sand), including the cost of required centering, shuttering complete as instructed by the departmental officers							
	For both side of drainage	1	x	2	1100.0 0			2200.00
								2200.00
17	10 Kld Sewage Treatment Plant Contractor must include all items that are necessary and essential to provide a complete working plant to the satisfaction of Engineer-in-charge, with all essential required civil mechanical & electrical work including chlorinator room of 12 Sqm area office cum Laboratory room . The work includes making the plant premises pleasant, beautiful, green, operation & maintenance friendly, free from foul smell etc, and approach from adjacent road to the STP, LED premises lighting with adequate illumination as the STP shall operate for 24 hours. The design & drawings of above complete items shall be submitted by contractor and got approved from Govt Agencies as per the pollution norms (if applicable) before the execution/ implementation of work. All working drawings will be submitted by contractor for approval.							
	'10 kld Sewage Treatment Plant	1	x	1	1.00			1.00
18	Supplying, laying and jointing UPVC pipes (chlorinated Poly vinyl chloride) pipe(Higher pressure rating with higher pipe thickness) Standard Dimension Ratio- 11)of approved qualityand best variety conforming to BIS of the following dia including cutting, threading and fixing UUPVC specials using SOLVENT OF 118ML (but excluding cost of such specials) and fixing into wall with teak wood plugs,UUPVC clamps and screws making holes on the wall (or) drilling holes in the roof and making good the dismantled portion to original condition with necessary brick work / cement concrete and plastering neatly wherever necessary with necessary scaffolding charges upto 4 metre height above ground level, etc., complete complying with standard specifications. The UPVC pipes shall be got approved by Engineer before use on works.							
	Main line (100 mm)	1	x	1	1100.0 0			1100.00
								1100.00

	Branch line for individual plot (20mm)	1	x	1	2530.00			2530.00
								2530.00
19	Supplying of UPVC (Ashirvad /Astral or equivalent) Specials of approved quality and good variety conforming to ASTM D-2846 standard etc., complete complying with standard specification. (The UPVC specials should be got approved by the Engineer concerned before use on works.)							
a	50mm dia UPVC Elbow.	1	x	250				250.00
b	20 mm dia UPVC TEE	2	x	300				600.00
c	50 mm dia UPVC TEE	1	x	300				300.00
d	50 mm dia UPVC Coupling	1	x	300				300.00
e	50mm Dia UPVC Union	1	x	300				300.00
f	50x40 mm dia UPVC Reducer	1	x	300				300.00
g	20x15 mm dia UPVC Reducer	1	x	300				300.00
h	50 mm dia UPVC Nipple	1	x	300				300.00
20	Supply and erection of Woltman model with removal mechanism water meters, (Bulk type) conforming to ISO4064 part I, II, III Class B and IS-2373 with life cycle test certificate from FCRI/ NABL accredited lab. The watermeter shall have magnetic drivers or mechanical drivers and shall be versatile for installation in any position. The meters shall be hydrodynamically, hydrostatically balanced. The runner, runner chamber, pointers of the meter shall be as per ISO 4064 specification. Dry dial excavated counter housing fully protected against flooding ensuring easy reading in all climates. Erection charges includes earth work excavation, labour charges, cutting and threading, conveyance, welding and hire charges for tools and plants etc., complete.							
	For each individual unit	1	x	1	105.00			105.00
								105.00
21	Earth work excavation for foundation in all soils and sub-soils and to full depth as may be directed except in rock requiring blasting inclusive of shoring shuttering, bailing out water wherever necessary and depositing the surplus earth within the compound in places shown by the departmental officers with an initial lead of 10 mts and initial lift of 2 mts. and clearing and levelling the site, etc., complete complying with standard specification.							
	<i>Water Tank</i>							
		1	x	1.000	11.000	4.000	3.00	132.00
						Total:		132.00
22	Plastering with Cement Mortar 1:3 (One Cement and Three Sand) 12mm thick mixed with water proofing compound conforming to BIS at 2% by weight of cement used including finishing, curing, etc., complete in all floors complying with standard specification and as directed by the Engineer concerned.							
	Top slab- water tank							
	Long wall	2	x	3	10.540	4.000		252.96
	Short wall	2	x	1	4.000	4.000		32.00
							Total:	284.96

23	Water distribution system (valves and motor for pumping)	105
	<p>Supply, Installation and Commissioning of 200 mm dia & 100mm dia Water distribution connecting 105nos of plot from sump through pumping station provided with 1inch hose to every delivery point at the plot.</p> <p>Water meter specification: IS 779:1994 (reaffirmed 2015) - Specification for water meters (domestic type). IS 6784:1996 – method of performance testing of water meters. Class 2 Water meters in accordance with ISO4064:2014. Operating range ratio (Q3/Q1) = R500. The Meter should be MID certified. In addition, endurance test report in accordance with ISO4064:2014 from FCRI should be provided.</p>	
24	Junction light	4 Nos
	<p>a)Supply, Installation, aiming, testing and commissioning of Highmast (12 Metre) with 4 Nos. 120W LED Fitting including earthwork excavation, PCC 1:4:8 (one of cement, four of sand and eight of coarse aggregate), M20 grade concrete and steel reinforcement for foundation etc., complete.</p> <p>b)Supplying and clamping 4 x 25 Sq.mm PVC insulated armoured LTUG aluminium cable 1100V conforming to IS jointing of 50mm HDPE pipe, cable, other materials, earthwork excavation, refilling and laying charges etc., complete.- Desired Length as directed by company engineers.</p> <p>LED : NABL accredited, RoHS for LED, IP65, Surge protection, IEC61000-4-5, 3 years replacement warranty against manufacturing defects, from the date of commissioning. The supplier should address the complaint within 12 hours of intimation. Faulty fitting / parts shall be replaced unconditionally with a new fitting / parts within 12 hours of confirmation that the rectification / repair are required in the fitting, illumination as per I.S. 1944.</p> <p>Structure: The High mast shall be of continuously tapered, 20 sided polygonal cross section, presenting a good and pleasing appearance and shall be based on proven design conforming to international standards, to give an assured performance, and reliable service. The structure shall be suitable for wind speed as per IS 875 part 3 1987.</p> <p>Construction: The mast structure shall be fabricated from special steel plates, conforming to ASTM A 572/ BS EN 10025 with min. yield 450 mpa, cut and folded to form a 20 sided polygonal section and welded. Silicon content of the steel shall be less than 0.06 %. No circumferential welded joints shall be provided in individual sections. The welding shall be in accordance with AWS. The procedural weld geometry and the workmanship shall be exhaustively tested on the completed welds. The mast shall be provided with fully penetrated flange, which shall be free from any lamination or incursion. Base plate shall be welded only with Automatic base plate welding machine. Manual base plate welding shall not be accepted. For the environmental protection of the mast, the entire fabricated mast shall be hot dip galvanised, internally and externally as per ASTM A 123 AND 153. Galvanizing shall be without any lead content. Mast shall be delivered in multiple sections of length approximately 16 metres. i.e. 30 M mast shall be delivered in two sections. At site the sections shall be joined together by slip-stressed-fit method. No site welding or bolted joint shall be done on the mast. The minimum over lap distance shall be 1.5 times the diameter at penetration. The top/bottom diameters and plate thickness of the mast shall be decided based on proper design confirming to TR No 7. The mast structure shall be suitable to sustain an assumed maximum reaction arising from a wind speed as per IS 875 (three second gust), and shall be measured at a height of 10 metres above ground level. The design life of the mast shall be a minimum of 25 years. An adequate door opening shall be provided at the base of the mast and the opening shall be such that it permits clear access to equipment like winches, cables, plug and socket, etc. and also facilitates easy removal of the winch. The door opening shall be complete with</p>	

a close fitting, vandal resistant, weatherproof door, provided with a heavy-duty double internal lock with special paddle key. The door opening shall be carefully designed and reinforced with welded steel section, so that the mast section at the base shall be unaffected and undue buckling of the cut portion shall be prevented.

Raising and lowering mechanism: Raising and lowering mechanism is the most important part of the mast as it is to carry the load of the light fittings and help the operator to maintain the mast in good condition. Wire rope should be tension free during working condition. Lantern carriage should be docked to the head frame through proper latching mechanism when it reaches the top. This mechanism should ensure that lantern carriage should remain at its position even if the suspension wire ropes fails. As these lighting masts normally are installed in public areas, safety of this system is of at most importance. Major components of the raising and lowering system are as explained below.

Lantern Installation ring: A fabricated Lantern installation ring shall be provided for fixing and holding the flood light fittings and control gear boxes. The Lantern installation ring shall be special design and shall be steel tube construction with provision for drawing wiring cables. It shall be in two halves and can be jointed after installation of mast. Suitable numbers of arms shall be provided in the installation ring for mounting luminaries and control gear boxes. Electrical junction box shall be provided in the installation ring for distribution of power to luminaries.

Winch:The winch shall be double drum type with double worm gear. Safe working load of the winch shall be suitable as per head load calculation. Winch shall be capable of individual drum rotation. Gear arrangement shall be such that in case of failure of one gear, the other should hold the load on winch without causing accidental damage to light fitting or surroundings. Hence overall factor of safety of the winch shall be 2. Winch shall be completely self sustaining type. Winch shall be type tested in presence of a reputed Institution and test certificate shall be furnished before supply of materials. Gear shall be housed in a totally enclosed permanent oil bath. Lubrication oil shall be of SAE140 grade. At least 5 to 6 turns of rope shall remains on the drum even when the lantern installation ring shall be fully lowered and rested on the rest pads. It shall be possible to operate the winch manually by a suitable handle and/or by an integral power tool motor. It shall be possible to remove the double drum winch through the door opening provided at the base of the mast. The capacity, operating speed, safe working load, recommended lubrication and serial number of the winch shall be clearly marked on each winch.

Head Frame:The head frame, which shall be the top mounted unit of the mast, is of welded steel construction. The head frame shall be fixed to the mast with flange joint. Flange joint shall be ensure the proper fitment and restrict the rotation of the head frame with mast axis. The head frame house shall contain two pulleys for drawing the wire ropes and one pulley for electrical cable. The pulley block shall be made of non- corrodible material and shall be of die cast Aluminium Alloy (LM6). Pulley made of synthetic materials such as Plastic or PVC is not acceptable. Self-lubricating bearings and stainless steel shaft shall be provided to facilitate smooth and maintenance free operation for long period. Head frame structure shall be having docking arm to position and limit the lantern installation ring.

Stainless Steel Wire Ropes: The suspension points of the lantern installation ring shall be at an angle of 180 degree to ensure proper balancing. There shall be two ropes at the winch drum which runs continuously to the lantern ring end. Wire ropes shall be stainless steel of AISI 316 or better grade with 7/19 construction, the central core being of the same material. Rope diameter shall be not less than 5 mm. Combined breaking strength of both the ropes shall be more than 5 times the safe working load of the winch. This is as specified in TR No. 7. Termination of the ropes at the ends shall be specially designed to have proper grip and safety. Termination of the rope at the lantern installation ring end shall be with proper thimble. Other end shall be with copper talurit.

Electrical System, Cable and Cable Connections: A suitable terminal box shall be provided at the

base compartment of the high mast for terminating the incoming cable. The electrical connections from the bottom to the top shall be made by special rubber trailing cable with EPR insulation and PCP sheathed to get flexibility and endurance. At the top there shall be a weather proof junction box to terminate the trailing cable. Connections for individual luminaries can be provided from this box at site.

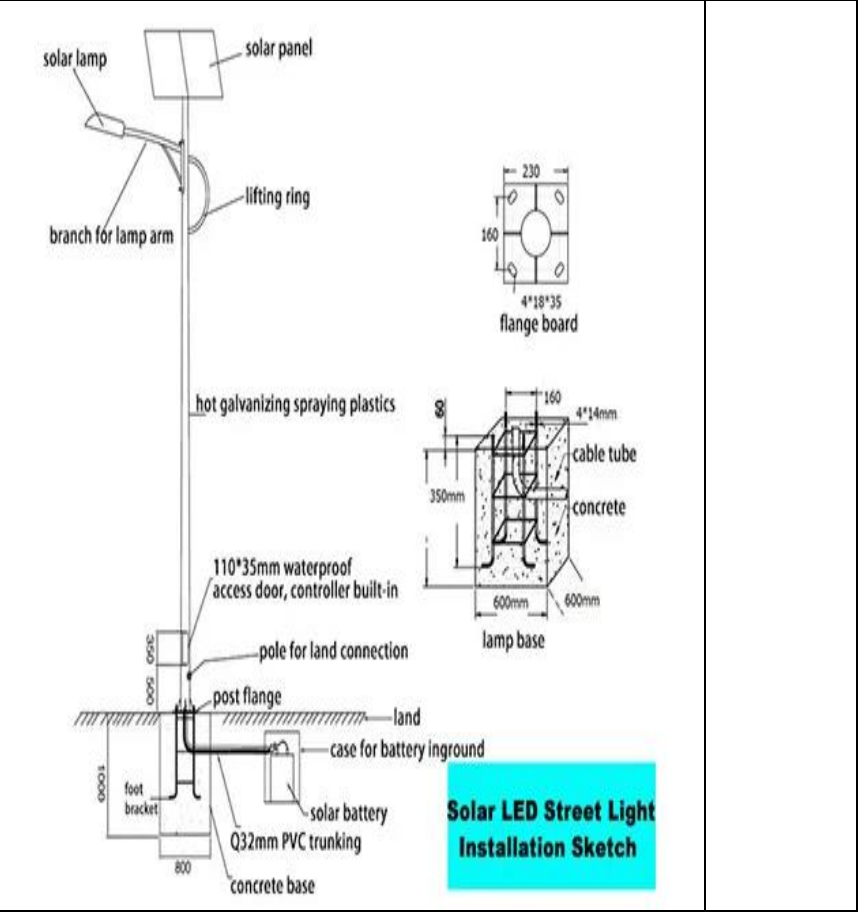
Power Tool A suitable, high-powered, electrically driven, internally mounted power tool, with manual over ride shall be supplied for raising and lowering of the lantern carriage for maintenance purpose. Speed of the power tool shall be to suit the system. The power tool shall be single speed, provided with required rating. This motor shall be coupled with the winch using a sprocket and a chain. Motor shall be mounted inside the base compartment of the mast. Control circuit for the mast shall be with a push button for operation from a safe distance. There shall be separate torque-limiting device to protect the wire ropes from over stretching. It shall be mechanical with suitable load adjusting device.

Lightning Finial One number heavy duty hot dip galvanised lighting finial shall be provided for each mast. The lightning finial shall be minimum 1 m in length and shall be provided at the centre of the head frame. It shall be bolted solidly to the head frame to get a direct conducting path to the earth through the mast.

Earthing Terminals: Suitable earth terminal using 12 mm diameter GI bolt shall be provided at a convenient location at the base of the Mast, for lightning and electrical earthing of the mast.

25 **Solar street light-8mt mast** **80**

Supply and fixing of 60W LED solar street light fitting with LED (Lower end) surge protector battery control panel with 32mm dia. GI pipe (class B) with 1 no.32 mm GI bend 1 mt complete on the 6 mtr x 88.9mm OD x 4.05mm thick street lamp post with PVC unsheathed copper leads with MS clamps and with painting, civil works for pole. Complete and as directed by company engineers. NABL accredited, RoHS for LED, IP65, Surge protection, IEC61000-4-5, 3 years replacement warranty against manufacturing defects, from the date of commissioning. The supplier should address the complaint within 12 hours of intimation. Faulty fitting / parts shall be replaced unconditionally with a new fitting / parts within 12 hours of confirmation that the rectification / repair are required in the fitting. Minimum Spacing between lamp posts: 20 m. illumination as per I.S. 1944. Design and Installation sketch as below.



25 **Sewer system** **1600 RM**

Supplying, lowering, laying, jointing, testing and commissioning of UPVC pipes SN 8 -SDR 34 conforming to IS 15328:2003 .complete with all leads, lifts and labour's 200mm dia pipes

	<p>Construction of Brick work Man Hole Chambers PCC 1:3:6 15cm thick, including Earth work Excavation,Brick work,Plastering and Refilling etc.except Hard rock - Up to 0.60m depth</p> <p>Construction of Brick work House Inspection Chambers PCC 1:3:6 including Earth work Excavation,Brick work,Plastering and Refilling etc.except Hard rock - 0.3m deep</p> <p>Supplying and Laying of 110 mm pvc pipe line for 105 Plot sewer connection</p> <p>Testing of PVC pipes with hydraulic testing equipment by filling with water and testing to recommended pressure in convenient stretches and attending the bursts if any occurred during the test.</p> <p>Fixing of Sluice/Non return/Air Valve with pipe line including all labour charges.</p> <p>Supply and fixing of 60nos pre caste concrete manhole cover & frame as per IS 12592 standard.</p>		
26	Administrative Building with 30KL Over Head Tank		3000 sqft
2	Earthwork excavation for foundation (for narrow excavation) to full depth as per designed in all soils and sub soils except soft disintegrated rock not requiring blasting and hard rock requiring blasting and bailing water wherever necessary. Refilling the sides of foundation with excavated earth other than sand in layers of well rammed and compacted and depositing the surplus earth in places shown by the departmental officers with an initial lead of 10m and initial lift of 2m and clearing and leveling the site etc. complete complying with standard specification.	40.94	cum
3	Collection and supply of Msand and filling in to the basement including cost and conveyance to the siteand all labour charges for filling as per standard specifications	5.91	cum
4	Plain Cement Concrete 1 : 4 :8 (one part of cement, four parts of sand and eight parts of hard broken stone) using 40 mm gauge hand broken hard broken granite stone jelly complying with standard specifications in foundations and basement.	13.24	cum
5	Reinforced Cement concrete 1:1.5:3 using 20mm ISS HBG metal for all RCC item of works excluding cost of Rein forcement and fabricating charges, centering and shuttering but including curing and providing fixtures like fan clamps in the RCC floor or roof slabs wherever necessary and bearing surfaces of walls , sides and bottom of the slabs, beams etc., as directed by the departmental officers complete complying with standard specifications.	8.28	CUM
6	Reinforced Cement concrete 1:1.5:3 using 20mm ISS HBG metal for all RCC item of works excluding cost of Rein forcement and fabricating charges, centering and shuttering but including curing and providing fixtures like fan clamps in the RCC floor or roof slabs wherever necessary and bearing surfaces of walls , sides and bottom of the slabs, beams etc., as directed by the departmental officers complete complying with standard specifications.	11.690	CUM
7	Brick work in CM 1:5 mix using country bricks ground moulded of size 83/4"x41/4"x21/4" for the following including curing etc., complete complying with standard specifications.		

8	Below G.L	11.60	sqm
9	Above Basement Brick work for Super Structure	19.23	sqm
10	Supplying and fabrication of steel including cost and conveyance of bending to shape and tying in position and forming grills for all R.C.C works including cost and conveyance of all materials to site and all labour charges for mixing, laying, and curing	3.300	MT
11	Supplying and erecting centering shuttering including necessary supports for etc., complete.		
12	Grade Beam	41.13	SQM
13	For Roof slab, lintel, beam	135.00	sqm
14	Floor finish with granolithic flooring in CC 1:2:4 mix using 10 to 12mm chips including cost and conveyance of all materials and labours etc., complete	55.00	sqm
15	Paving the Floor with scratch proof Colour design ceramic tiles of size 305x305x6mm including cost and conveyance of all materials to site and all labour charges etc complete		
16	Total Flooring Area	25.00	sqm
17	Paving the floor with pre-polished concrete anti-skid tiles (Required shape and design) of 20mm thick of approved quality and colour laid in Cement Mortar 1:3 (One Cement and Three Sand) 20mm thick and pointed with white cement mixed with colouring pigment at the rate of 0.40 Kg. / sq.m., curing, etc., complete complying with standard specification and as directed by the Company officials.	5.50	SQM
18	Dadoing walls with Glazed tiles of any colour and any size laid in CM 1:2, 10mm thick. and pointing with white cement 0.4 Kg per sqm mixed with colouring pigment to siut the colour of the tiles including finishing the joints neatly complying with the standard specifications and as directed by the departmental officers. The Glazed tiles should be got approved from the Company officials before execution.		
19	Total Flooring Area	5.50	sqm
20	Refilling the basement with excavated earth other than sand complying the Standard specification	22.22	cum
21	Brick jelly lime concrete using 20mm brick jelly with slacked lime in the ratio of 32:12.5 including cost and conveyance of all materials to site and all labour charges for mixing , laying ,and finishing etc complete.	3.10	sqm
22	Finishing the top of roof with one course of PRESSED TILES of size 23 cm X 23 cm X 2 cm laid in cement mortar 1:3 (One cement and three Sand) 12mm thick mixed with water proofing compound conforming to I.S. at 2% by weight.	41.32	SQM

23	Plastering with cement mortar 1:5 mix to 12mm thick including cost and conveyance of all materials to site and all labour charges etc	284.72	sqm
24	Plastering with cement mortar 1:3 mix to 10 mm thick including cost and conveyance of all materials to site and all labour charges etc complete	77.70	sqm
25	Distempering two coats with best approved distemper including cost and conveyance of all materials to site and all labour charges etc complete	179.34	sqm
26	Exterior Emulsion painting two coats with best approved quality and colour paint over one coat of Base coat including cost and conveyance of all materials to work site and labour charges etc., complete.	122.08	sqm
27	Supplying of steel doors, windows, ventilators etc., with best approved best quality etc., complete complying with standard specifications and as directed by the departmental officers.	4.02	Nos
28	Doors D1(0.90x2.10)m	1.00	Nos
29	Doors D(0.75x2.10)m	1.00	Nos
30	Doors D2(1.10x2.10)m	3.00	Nos
31	Window W(1.20x1.30)m	6.00	Nos
32	Ventilator V (0.90 x 0.45m)	1.00	Nos
33	Painting two coats over new iron works using ready mixed enamel paint including cost and conveyance of paint and all labour charges etc complete	39.47	sqm
34	Supplying & fixing with cuddapah slabs 20-30mm thick for cup board including all cost and conveyance and all labour charges etc .comp.	6.57	sqm
35	Supplying and fixing P.V.C rainwater down fall pipe of 110mm dia with necessary shoes, bends,& clamps etc.,	12.00	RM
36	Cost and supply of European water closet with "P" or "S" trap with double flapped seat and seat cover with bran hinges and 10 litre capacity PVC low level flushing tank with all internal fittings etc., complete. (White)	1.00	Each
37	Labour Charges for Fixing the Doors including all Charges etc..	10.17	sqm
38	Labour Charges for Fixing the Steel Window including all Charges etc..	9.77	sqm
39	Wiring with 2 X 1.5 Sq.mm (22 / 0.3) PVC insulated SC unsheathed Copper conductor cable of 1100V grade in suitable PVC rigid pipe concealed in wall and ceiling with PVC accessories in flush with wall with 3 mm thick Hylum sheet cover with TW box And 5 A FT switch with continuous earth connection of 14 SWG TC wire for	8.00	Nos

		making good of the concealed portion with suitable colour for PVC Open Light point / fan point (For electronic Regulator) SD 18			
40		Wiring with 2 X 1.5 Sq.mm (22 / 0.3) PVC insulated SC unsheathed Copper conductor of 1100V grade in suitable PVC rigid pipe concealed in wall and ceiling with PVC accessories in flush with wall with 150 mm X 100 mm X 113 mm TW switch box with 3 mm thick Hylum sheet cover for 5 A 3 pin non interlocking CS plug with continuous earth wire connection of 14 SWG TC wire for making good of the concealed portion with suitable colour for concealed PVC plug point SD 36	2.00	Nos	
41		Supply and run of 2 of 1.50 sq.mm (22/0.30) PVC insulated SC unsheathed copper Conductor of 1100 V grade on 7/20GI bearer wire for service connection mains SD 64	25.00	sqm	
42		Supply and run of 2 X 1.5 sq.mm (22 / 0.30) PVC insulated SC unsheathed copper Conductor of 1100 V grade in 25 mm dia GI pipe (Class ' B ') suitably bent at both ends with necessary angle iron upright and end supports for mains. SD 69	3.00	Nos	
43		Supply and fixing of WT bulk head fitting with guard (Philips / Bajaj / Crompton / K Lite) suitable for incandescent lamp with 60 W bulb.SD 84	1.00	Nos	
44		Supply and fixing of CFL bulb SD 80	4.00	Nos	
45		Supply and fixing of single box type 4'40 W flu fitting complete with copper choke and condensor with conduit pipe suspension from the ceiling with PVC unsheathed copper leads from terminals to the fitting with tube SD88	2.00	Nos	
46		Supply and fixing of 1200 mm (48") AC ceiling fan complete with stepped electronic 300 W regulator with 300 mm down rod on the existing clamp. SD 110	2.00	Each	
47		Supply and fixing of 16 Amps DPIC Switch of 500 V with fuse and neutral (Side Handle) on suitable TW box PWD Earthing SD 142	1.00	Nos	
48		Supply and fixing of TNEB Meter board SD 125	1.00	Nos	
49		Supply and Delivery of 25mm UPVC Pipe 10 KSC	35.00	M	
50		Supply and delivery and fixing of 500lit. HDPE Tank as per IS 12701/1996 including loading, unloading, transportation and labour charges for fixing of the GI Pipes and specials etc., complete.	1.00	Nos	
29	Entrance Arch – Civil Architectural structure				LS
27	Electrification				1set
	Supply, erection, testing, commissioning of 1000 KVA Transformer 11 KV/ 400V, oil cooled outdoor type with HV cable boxes to receive 11 KV 3C 240 Sqmm XLPE cable, LV terminals to receive 1000A				

	<p>busduct with LV neutral brought out for earthing. The transformer shall have double wound type with copper winding with terminal connections Delta for HV side. The transformer cooling shall be of with natural air and the temperature rise shall be within the permissible limit as in IS11171/1991 / IEC 726. The vector group of transformer shall DYN-11.The transformer to be provided with ON-LOAD tap changing device with -15% to +5% in 17 steps each of 1.25% on HV side variation. The transformer shall be suitable to withstand the weather condition and loss as per IS1108.</p> <p>The distribution transformer of oil cooled outdoor and shall be manufactured as per IS 1108 and should have approved certificate for the ratings here in under from CPRI</p> <p>BUSDUCTS</p> <p>TRANSFORMER TO MV PANEL</p> <p>Supplying, erecting, connecting & commissioning 1000 Amps TPN fabricated Type Aluminium Busducts with necessary straight runs, bends,Risers, brackets from Transformer Secondary Side to Main M V Panel. The Busduct shall be properly supported through proper brackets. The Busbar size shall be same as in there spective receiver panel. The cost shall also necessary supports for the same.</p> <p>1000 AMPS TPN Fabricated Type Bus Duct StraightRun -INDOOR TYPE including all necessary in between flexibles.</p> <p>1000 AMPS TPN Fabricated Type Bus Duct StraightRun OUTDOOR TYPE including all necessary in between flexibles.</p> <p>Supplying, fixing and connecting Flexible joints at the end of each Bus Duct sections</p> <p>EB Incomer:</p> <p>1000AMPS 4P ACB 50KA (Ics) with standing Capacity of EDO type and with Microprocessor based releases SR 71 (or) equivalent (with Over current / Earthfault/ Short circuit /Tripping para meters with LCD display/shunt trip coil withunder voltage releases/ communication) on ,off , trip and circuit healthy condition indication lamp with Emergency STOP Push Button shall also be provided 01 Nos.(Note : ACB incoming BUS bar shall be provided the TOP of the panel)</p> <p>Cabling to Administrative building, Junction lights and other Amenities as listed by company officials.</p>	
28	Greenary-trees, plant and lawn	LS

ANNEXURE – II

PART-I

Date: _____

From,

Name:
Address:
Ph:
Fax:
E-mail:

To,

The Managing Director,
M/s East Coast Automobile Services Private Limited,
Regd. Office: D.P-25, SIDCO Estate,
Nellikupam Main Road, Sammandalam,
Cuddalore, Tamilnadu-607001

Sir,

Sub: Tender for the infrastructure development of Industrial estate Part I- reg
Ref: Your Tender Notice Dt.

With reference to your tender notice, we submit herewith our sealed Tender for the development of Infrastructure development for East Coast Automobile Services ,Cuddalore, as specified ECASPL in this tender document.

We enclose the following documents:

- 1) Tender conditions duly signed in each page and enclosed in token of accepting the Tender conditions
- 2) Demand Draft no. _____ for Rs.2,20,000 /- (Rupees Two Lakh Twenty Thousand only), in favour of “ **East Coast Automobile Services Private Limited**”, drawn on Indian Bank payable at Cuddalore, towards Earnest Money Deposit.
- 3) Authorization letter from the Company for the person to sign the tender.
- 4) Details of the Tenderer (as per Annexure-III)
- 5) Average annual turnover statement duly certified by a Chartered Accountant (asper Annexure-IV).
- 6) List of various infrastructure works like roads, culverts, buildings etc executed in last 3 years as per Annexure-V
- 7) Declaration for not having black listed by any other Govt. agencies (as per Annexure-VI).
- 8) Declaration for not having tampered the Tender documents downloaded from _____

thewebsite (Annexure-VII).

- 9) The copy of certificate of incorporation/registration (If applicable)
- 10) Copy of Memorandum and Articles of Association (If applicable)
- 11) Copy of Registered Partnership deed, in case of Partnership Firm (If applicable)
- 12) Copy of Udyog Aadhaar, GST Registration Certificate & PAN Card
- 13) Valid Registration Certificate from PWD / CPWD / Highways department
- 14) Work Orders issued by the clients.
- 15) Performance certificate issued by the clients.
- 16) The Annual Report / certified copies of Balance Sheet, Profit & Loss statement along with schedules for the last 3 consecutive financial years FY 2020-21, 2021-22 and 2022-23.
- 17) Latest I.T return.
- 18) Notarized translated English version of the documents in a language other than English/Tamil, if any.

Yours faithfully,

SIGNATURE OF THE TENDERER

Encl: As stated above

**ANNEXURE - III
DETAILS OF THE TENDERER**

1. Name of the Tenderer	
2. Registered Office Address	Telephone Number:Fax : Email : Website, if any
3. Contact Person	Name: Designation: Phone: Mobile: Email:
4. Date of Incorporation	
5. Legal Status	Proprietorship/partnership/Pvt. Limited/Public Limited/others(Pl. mention)
6. Eligible license holder of	
7. Brief profile of the tenderer	
8. Number of staffs on regular payroll	Technical: Administration:
9. PAN Number	
10. GST Registration Number	
11. PAN Number	

SIGNATURE OF THE TENDERER
(with seal and address)

ANNUAL TURN OVER STATEMENT

The Annual turnover of M/s.....for the past three years are given below and certified that the statement is true and correct.

S.no	Year	Turnover (Rs. in lakh)
1	2020-2021	
2	2021-2022	
3	2022-2023	
	Total	
Average annual turnover		

DATE :

SIGNATURE OF THE TENDERER

**SIGNATURE OF CHARTERED ACCOUNTANT
(with seal and Address)**

List of clients for whom Civil construction works undertaken in the past 3 years

(Please provide the details for each project in separate sheet along with workOrder/completion certificate from client)

S.No	Name & Address of the Client	Details of Work	Extent/Area covered in Sq.ft	Year of Completion	Cost (Rs.in Lakhs)	Work Order & Completion certificate enclosed (Yes/No)
1.						
2.						
3.						
4.						
5.						
6.						
7.						
8.						
9.						
10.						

SIGNATURE OF THE TENDERER

(with seal and address)

CERTIFICATE

Date: _____

Certified that M/s / the firm /company or its partners / share holders had not been blacklisted by any Government Agencies.

**SIGNATURE OF THE TENDERER
(with seal and address)**

DECLARATION FORM

Date: _____

a) I/Wehaving our office at do declare that I/We have carefully read all the conditions of tender sent to me/us by the SPV, for the tenders floated vide tender ref.no.____for the cdevelopment of Industrial estate developed by East Coast Automobile Services Private Limited in Cuddalore district and will complete the contract as per the tender conditions.

b) I/We have downloaded the tender document from the internet siteand I /We have not tampered / modified the tender document in any manner. In case, if the same is found to be tampered / modified, I/ We understand that my/our tender will be summarily rejected and full Earnest Money Deposit will be forfeited and I /We am/are liable to be banned from doing business with M/s. or prosecuted.

SIGNATURE OF THE TENDERER

(with seal and address)

PART-II

From,

Name:
Address:
Ph:
Fax:
E-mail:

To,

The Managing Director,
East Coast Automobile Services Private Limited,
Regd. Office: D.P-25, SIDCO Estate,
Nellikupam Main Road, Sammandalam,
Cuddalore, Tamilnadu-607001

Sir,

Sub: Tender for the Infrastructure Development of Industrial Estate - Submission of
Part II - Price Offer-Reg.

Ref:- Our tender (Technical Bid) submitted for the “Development of Infrastructure
Work at Industrial Estate of East Coast Automobile Services Private Limited”

In continuation of our above tender, we submit herewith the price offer for the
“Infrastructure Development of Industrial Estate for ECASPL” as specified by SPV in this tender
document.

We agree to abide by the terms and conditions stipulated by the ECASPL and also
agree to complete the entire contract, at the rates quoted by us. The rate quoted and
approved by the ECASPL in this tender will hold good as per tender conditions.

Yours faithfully,

SIGNATURE OF THE TENDERER

PRICE BID

(Amount in Rs.)

Description	Basic Amount	SGST	CGST	IGST	Total Price including taxes
Development of Infrastructure Work at Industrial Estate of East Coast Automobile Services Private Limited as given in Annexure I					
Grand Total					

Amount in Words: Rupees _____ only

Note:

- a) The Bidder shall quote the Lump sum costs in the above given format.
- b) The lump sum offer shall provide for all superintendence, labour, technical assistance, material, plant, equipment and all other things required for executing and completing all the works as per defined Scope of Work.

SIGNATURE OF THE TENDERER
(with seal and address)

CHECKLIST OF DOCUMENTS**Documents to be enclosed in Part-I:**

S.No	Checklist	Enclosed (Yes/No)	Reference in the Bid (Page No.)
1.	A covering letter on your letter head addressed to the Managing Director, M/s..East Coast Automobile Services Private Limited, Regd. Office:D.P-25, SIDCO Estate, NellikuppamMain Raod, Sammandalam, Cuddalore, Tamilnadu (as per Annexure-II)		
2.	Tender conditions duly signed in each page and enclosed in token of accepting the Tender conditions		
3.	Demand Draft for Rs.2,20,000 /- (Rupees Two Lakh Twenty Thousand only), in favour of “ M/s..East Coast Automobile Services Private Limited ”, payable at Cuddalore, towards Earnest Money Deposit.		
4.	Authorization letter from the Companyfor the person to sign the tender		
5.	Details of the Tenderer (as per Annexure-III)		
6.	Average annual turnover statement duly certified by a Chartered Accountant (as per Annexure-IV)		
7.	List of Building construction works executed in last 3 yearsas per (Annexure-V)		
8.	Declaration for not having black listed by any other Govt. agencies (as per Annexure-VI)		
9.	Declaration for not having tampered the Tender documents downloaded from the website..... (Annexure-VII).		
10.	The copy of certificate of incorporation/registration.		
11.	Copy of Memorandum and Articles of Association		
12.	Copy of Registered Partnership deed,in case of Partnership Firm		
13.	Copy of Udyog Aadhaar, GST Registration Certificate & PAN Card		

14.	Valid Registration Certificate from PWD / CPWD / Highways department		
15.	Work Orders issued by the clients		
16.	Performance certificate issued by the Clients		
17.	The Annual Report / certified copies of Balance Sheet, Profit & Loss statement along with schedules for the last 3 consecutive financial years FY 2020- 21, 2021-22 and 2022-23.		
18.	Latest I.T return		
19.	Notarized translated English version of the documents in a language other than English/Tamil, if any		

Documents to be enclosed in Part-II

S.No	Checklist	Enclosed (Yes/No)
1.	A covering letter on your letter head addressed to the Managing Director, M/s..East Coast Automobile Services Private Limited, Regd. Office:D.P-25, SIDCO Estate, Nellikuppam Main Raod, Sammandalam, Cuddalore, Tamilnadu (as per Annexure - VIII)	
2.	Price Bid as per Annexure- IX of the Tender document.	

Both 'Part I – Technical bid' cover and 'Part II – Price bid' cover must be placed in a separate sealed cover superscripted as "Tender for the Infrastructure Development of Industrial Estate for East Coast Automobile Services Private Limited" and addressed to "M/s..East Coast Automobile Services Private Limited", Regd. Office:D.P-25, SIDCO Estate, Nellikuppam Main Raod, Sammandalam, Cuddalore, Tamilnadu containing the name and address of the Tenderer.

Note: Tenders submitted in unsealed cover would summarily be rejected.