



GUJARAT COUNCIL ON SCIENCE AND TECHNOLOGY (GUJCOST)
Department of Science and Technology, Government of Gujarat
BLOCK NO - B, 7TH FLOOR, M.S. BUILDING, SECTOR-11, GANDHINAGAR- 382 011

Tender Document No. GUJCOST/TOC Science Park/2017-18
Dated : 29/06/2017



Department of Science & Technology
Government of Gujarat

Tender Notice for Construction of wire fencing at Boundary of Proposed Land of Tropic of Cancer Science Park at Salal village on Himmatnagar in Sabarkantha District.

Last Date of Receipt of Tender:

13/07/2017
17.00 hours

Tender Fee: Rs. 1000/-
EMD: Rs. 10,000/-



Investing in **Science**: Investing in **Future!**

GUJARAT COUNCIL ON SCIENCE AND TECHNOLOGY

Department of Science and Technology, Government of Gujarat

Block -B, 7th Floor, M.S. Building, Sector-11,
Gandhinagar - 382 011

Phone No: 23259362 - 65, Fax No: 23259363

Email: info-gujcost@gujarat.gov.in, URL: www.gujcost.gujarat.gov.in

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Introduction

The Gujarat Council on Science and Technology (GUJCOST) was established in September, 1986, to play a catalytic role in promoting the use of Science and Technology (S&T) in the development process of the State. The S&T Council was constituted with a view to develop technologies appropriate to and in harmony with present conditions. The Council has been catalyzing interaction between developers and users of technologies, by bringing on a common platform to training Scientists and Engineers on the one hand and policy makers as well as administrators on the other.

Accordingly, the State Council is identifying the areas in which Science and Technology can be applied for development: activities and achieve the goals of the State, with a particular emphasis to eliminate the prevailing backwardness, rural unemployment and poverty,. It was also felt necessary to establish effective Communication and other links between, and Co-ordinate the activities of centers of Scientific and Technological Research, Government agencies and industries in order to promote the application of Science and Technology in the State.

The Tropic of Cancer, also referred to as the Northern Tropic, is the most northerly circle of latitude on the Earth at which the Sun may appear directly overhead at its culmination. The Tropic of Cancer passes through the northern border of Gujarat, because of which the state has an intensely hot or cold climate.

In order to create an awareness and understanding about the tropic of Cancer and its significance as well as to develop the site as an exploration point, it has been proposed to design and develop Tropic of Cancer Science Park over an area of 5930 sq meter area at Salal village on Himmatnagar highway in Sabarkantha District.

OBJECTIVES

- To inculcate scientific temper among the people and to generate anti sustains a high level of general scientific awareness in the society.
- To portray / communicate the growth of S&T and its applications in improving the quality of life through exhibitions, seminars, popular lectures, science camps and a host of other activities / programmes.
- To communicate / popularize science and technology in cities, urban' and rural areas for the benefit of students and the common man.
- To act
 - i) As an interface between S&T and society
 - ii) As a Resource-cum-facility centre for Community Science Centres of the region -
 - iii) As a Resource-cum-facility centre for the students & teachers of the region
 - iv) As an Awareness-cum-facilitation centre for the public

v) As a regional nodal agency while organizing State-wide / country-wide S&T Communication programmes

vi) As an interface with Gujarat Science City and Community Science Centres of the State

- To collect, restore and preserve important historical objects, which represent landmarks in the development of science, technology and industry.
- To design, develop and fabricate science museum exhibits, demonstration equipment and teaching / learning aids for science education and popularization,
- To supplement formal science education in schools and colleges through out-of-school educational activities to foster a spirit of scientific inquiry and creativity among the
- To organize training programs for science teachers/students/young entrepreneurs/technicians/ handicapped/housewives and others on specific aspects of science, technology and industry.
- To render assistance to universities, technical institutions, museums, schools and colleges and / or other bodies in planning and organizing science museums and in training of personnel for museum profession.

Tender Notice

To,

Sub: Construction of wire fencing at Boundary of Proposed Land of Tropic of Cancer Science Park at Salal village on Himmatnagar in Sabarkantha District.

Dear Sir

Sealed quotations are invited for the work as described in the enclosed BOQ. The blank tender shall be purchased at **Rs. 1000/-** (non refundable) (DD drawn in favour of **“Advisor & Member Secretary, Gujarat Council on Science and Technology”** from office. Downloaded tenders shall submit tender fees through DD.

The last date of submission of tenders duly filled in (Sealed cover along with EMD of Rs. **10,000/-** by Demand Draft (in favour of **“Advisor & Member Secretary, Gujarat Council on Science and Technology payable at Gandhinagar”** from 29.06.2017 to 13.07.2017 up to 5:00 p.m the rates shall be filled in both in words and figures. No tender will be received after aforesaid date and time, under any circumstances whatsoever.

The sealed bids shall be super scribed: **“Construction of wire fencing at Boundary of Proposed Land of Tropic of Cancer Science Park at Salal village on Himmatnagar in Sabarkantha District.”**

Agencies having adequate experience in the work of similar type will only be considered.

Terms & Conditions:-

- 1) The rates quoted shall include all taxes, levies, transportation and delivery at site.
- 2) The agency at his own cost shall replace any rejected material.
- 3) The rates quoted shall be valid for at least 90 days from the last date for the submission of tender.
- 4) Order may not be placed for all items.
- 5) Order for part quantity shall be acceptable.
- 6) The complete work shall be done as directed by engineer in charge to the satisfaction of site requirement.
- 7) Contractor shall make his own arrangement for water and electricity to carry out the work if required at site location, under strict supervision and prior permission of GUJCOST.
- 8) Total security deposit including EMD shall be Rs 10,000/-. It will be retained for the period up to 1 year after date of completion of the work. Agency shall carry out defect found in the work during the warranty period of 1 year at his own cost.
- 9) The work shall be completed within 60 days period after placing the order/ LOI.

- 10) Delay in completion of work (unless time extension is permitted by Advisor & Member Secretary, GUJCOST with due certification) shall result in to application of penalty equal to EMD amount paid by the contractor.
- 11) Downloaded bids shall be accompanied by two separate Demand Drafts for tender fees and EMD. Offers shall be sent in the enclosed prescribed form of GUJCOST, only.
- 12) Only the agencies that have executed this type of work having experience of such work and examined the site shall fill in the bids.
- 13) EMD of unsuccessful bidders shall be refunded without interest after approval of the tender of the work.

Thanking You,

Your faithfully,

Advisor & Member Secretary,
Gujarat Council on Science and Technology
Gandhinagar

(To be submitted by Tenderer)

TENDER FORM

Date:

To,
The Advisor & Member Secretary,
Gujarat Council on Science and Technology,
Block: B, 7th Floor, M.S. Building,
Nr. Pathikashram Sector-11, Gandhinagar-382011

**Sub: Construction of wire fencing at Boundary of Proposed Land of Tropic of
Cancer Science Park at Salal village on Himmatnagar in Sabarkantha District.**

Dear Sir,

Having examined the drawings, specifications designs and schedule of quantities relating to the work specified in the memorandum hereinafter set out and having visited and examined the site of the works specified in the said memorandum and having acquired the requisite information relating thereto as affecting the tender. I/We hereby offer to execute the works specified in the said memorandum at the rates mentioned in the attached Schedule of Quantities and in accordance in all respects with the specifications, design, drawings and instructions in writing referred to in conditions of tender, the Articles of Agreement, Special Conditions, Schedule of Quantities and Conditions of Contract and with such materials as are provided for by, and in all other respects in accordance with such conditions so far as they may be applicable.

Thanking You

Yours faithfully,

For,

(Director/Partner/Authorized Signatory)

Name of Work: - Construction of wire fencing at Boundary of Proposed Land of Tropic of Cancer Science Park at Salal village on Himmatnagar in Sabarkantha District.

GENERAL SPECIFICATIONS

- 1) Material shall be of best-approved quality, make as approved and they shall comply with the respective Specification.
- 2) All material shall got approved before supply and the approved make shall be supplied as directed.
- 3) If directed, materials shall be tested by GUJCOST for its specification and quality.
- 4) It shall be obligatory for the Contractor to furnish certificate, if deemed by GUJCOST, from manufacturer or the material supplier that the work has been carried out by using their material and as per their specified procedure.
- 5) All materials and parts supplied by the Employer / any other Specialist Firms shall be properly stored and the Contractor shall be responsible for its quality and performance.
- 6) Unless otherwise shown in the documents or mentioned in the "Schedule of Quantities" or special specification, the quality of materials, workmanship, dimensions, etc., shall be as specified as here under.
- 7) All equipment and facilities for carrying out field tests on materials shall be provided by the Contractor without any extra cost.
- 8) The work shall be done in such a manner that no damage to the existing structure or property may occur, else the same shall be rectified by the contractor at his own cost.
- 9) The material shall be provided with the warranty as per manufacturer's specification or as defined by GUJCOST for the respective items.

Pre-Qualification for Construction of wire fencing at Boundary of Proposed Land of Tropic of Cancer Science Park at Salal village on Himmatnagar in Sabarkantha District.

1. Agency shall have minimum average turnover should be Rs. 40.00 lakh per financial year for Average of last three years
2. The Agency shall have minimum value of single work order of Rs. 10.00 lakh within last three year
3. Experience in civil and similar kind of work for last three years.

ADDITIONAL CONDITIONS OF CONTRACT

A GENERAL NOTES:

1. All items of work under contract shall be executed strictly in accordance with the description of the item in the schedule of quantities, relevant drawings and specifications read in conjunction with the appropriate Indian Standard Specification and conditions of the contract.
2. The rate for each item of work included in the schedule of quantities shall unless expressly stated otherwise include cost of:
 - a. All materials, fixing materials, accessories, appliances, tools, plant, equipment, transport, labor and incidentals required and completion of the work called for in the item and as per specifications and drawings completely.
 - b. Waste on materials and labor.
 - c. Loading, transporting, unloading, handling / double handling, hoisting to all levels, setting, fitting and fixing in position, protecting, disposal of debris and all other labor necessary in and for the full and entire execution and to fully complete the job in accordance with the contract documents, good practice and recognized principles.
 - d. Liabilities, obligations, and risks arising out of conditions of contract.
 - e. All requirements of specifications, whether such requirements are mentioned in the item or not. The specifications and drawings where available are to be read as complimentary to any part of the schedule of quantities and any work called for in one shall be taken as required for all.
 - f. In the event of conflict between schedule of quantities and other documents including the specifications the most stringent shall apply and the interpretation of the GUJCOST shall be final and binding.
3. The Contractor shall be paid for the actual quantity of work executed by him in accordance with drawings at the contract rates.
4. This schedule shall be fully priced and the extensions and totals duly checked. The rates for all items shall be fixed in INK. The entries under amount column shall be rounded off to the nearest Rupee.
5. No alteration whatsoever is to be made to the text of quantities of the schedule of quantities unless such alteration is authorized in writing by the Consultant / Employer(GUJCOST). Any such alterations, notes or additions shall unless authorized in writing be disregarded when tender documents are considered.
6. In event of an error occurring in the amount column of the schedule, as result of long extension of unit rate and quantity, the unit rate quoted by the tenderer shall be regarded as firm and the extensions shall be amended on the basis of rates.
7. All errors in totaling in the amount, and in carrying forward totals shall be corrected.

8. Unless otherwise stated all measurements shall be taken in accordance with Indian Standard.
9. Any error (s) in description or in quantity or omission of items from the contract schedule shall not vitiate this contract but shall be corrected and deemed to be a variation required by the Consultant / Employer.
10. Rates have been called for a number of items of work, as alternatives which for the present do not form part of the total value of tender. The rates for these items shall be quoted, with due care so that in the event of choice of an alternative item of work, the said rate shall form part of the contract and shall not vitiate the contract in any way.

B DRAWINGS AND DATA:

Within 15 days of placement of order / letter of Intent Contractor shall furnish detailed working drawings / data for approval by consultants.

All drawings will be in AUTOCAD 2000 / 2004 / 2005/2006/PDF Format.

The contractor shall consult specifications, drawings and the bill of quantities, which give an idea of this system.

Detail Item Specifications

Item-1 Clearing Clearing of debris of all rubbish, making free of vegetation and other stuff for construction of wash area and drinking platform. The stuff shall be disposed up to distance of 1 Km as directed.

Item covers the work of preparation of the ground surface for proposed fencing work. The area shall be made free from all vegetation, grass routes, undulations using machine or such other equipment or manually to inaccessible place. The surface shall be made clear to view the place of working and edges visible for completion of the fencing work. The stuff shall be disposed up to distance of 1 Km as directed. If necessary, the work shall also includes disposal of water by diverting the flow in other directions by construction of small embankments etc to make dry working conditions. Measurement shall be on executed job basis of cleared area for proper working..

Item-2 Providing and fixing 1.20 Metre high fencing with 2.0 Metre long M.S. Angle posts 40mm x 40mm x6 mm and oil painting 3 coats fixed at 2.5 Mt, C/c. with five Horizontal lines and two diagonals of galvanised steel barbed wire weighting 9.38 Kg. per 100 Metre, strained and fixed to posts with G. I, staples including fixing the posts in ground with 0.5 M x 0.5.M x 0.5 M.block in C.0 1:2:4 etc complete.

The pits of size 0.5Mx0.5Mx0.5M shall first be excavated, true to line and level to receive the post at 2.5M c/c. The relevant specifications of item of excavation shall be followed. The pit shall be filled with layer of 0.15M thick concrete 1:2:4. The MS angle 40mm x 40mm x6 mm shall then be placed over the concrete in true to line and plumb. The remaining portion filled with concrete shall be rammed properly so as to form total 0.5M cubic block. The concrete shall be cured for 7 days to allow it to set. The barbed wire shall be stretched and fixed in 5 horizontal rows and two diagonals. The bottom row shall be 140mm above ground level and rest 125mm center to center. The diagonals shall be stretched between adjacent posts from top wire of one post to the bottom wire of 2nd post. The wires shall be fixed to posts by means of staples. The MS angle post shall be painted with three coats of oil paint of approved tint and shade.

All general specification of material metal. Chain link jail, cement, sand, aggregates, barbed wire etc shall be followed. All the connections and junctions shall be as per drawing. Rate shall includes all material, carting, loading, unloading, fixing with all taxes complete.

The work shall be measured for finished work from centre to centre of the posts. The rate shall be for a unit of one running metre.

Item-3 #Providing & fixing M.S. fabricated gates of required pattern with necessary frames etc with M.S. flats, MS tubular sections & c channels where required for door frames etc. (the supports to be fixed in rich base concrete with all excavation, concrete backfilling complete) at required spacing and around square or round bars with round headed bolts and nuts or by screws, heavy hinges, aldrops both sides, stoppers, top stopper etc required for doors complete as directed with one coat of approved primer and three coats of paint complete to the satisfaction of SC. For MS fabricated gate and single/double leaf doors as per details.

Item covers providing and fixing MS grill type doors/gates with sections as per existing doors using MS flats, tubular sections, c-channels, grill work as may be necessary for the cages as per site condition. The gates shall be supported on both sides by two vertical MS sections, embedded in the ground in Cement Concrete grade 1:2:4 with necessary excavation/concrete breaking, back filling, curing complete. No extra payment shall be made for any fabrication work required for design pattern of the doors/gates. It covers all necessary material required like hinges for doors, single or double leaf doors, handles for locking arrangement, MS flats, and sections of size as required for the doors complete. Rate includes all material, labour for fixing, riveting, welding as required to fix it at site or with existing frames and all taxes complete. All general specification of material metal. jali, joints, welding, flats, steel sections etc shall be followed as per general specifications of this document.

Measurement shall be on weight basis of executed items to be weighed in the presence of engineer in charge of GUJCOST prior to fixing for the completed work.

Item-4 Steel work, welded in built up sections framed work including cutting, hoisting, fixing in position and applying a priming coat of red lead paint. (A)In beams and joists, channels angles Tees, flats, with connecting plates or angle cleats as in main and cross beams. Hip and jack rafters, purlins connected to common rafters and the like (up to 10 ton) **For diagonal/Intermediate/Corner supports to fencing.**

Every 15th, last but one end post & corner post shall be strutted with MS Angle iron post of 40X40X6 mm. The pits of size 0.5Mx0.5Mx0.5M shall excavated at another end of the post, The relevant specifications of item of excavation shall be followed. The pit shall be filled with layer of concrete 1:2:4. So that on its hardening, it may provide firm stable support to angle section & frncing. The MS angle strut of 40mm x 40mm x6 mm shall be placed in the concrete in true to line and level/slope.The concrete shall be rammed properly so as to form total 0.5M cubic block. The concrete shall be cured for 7 days to allow it to set. Surrounding excavated space shall be gilled with available excavated soil.

Measurement shall be on weight basis of executed items of the MS section for completed work. No payment for related excavated, concrete work shall be done.

Signature of Agency

**Advisor & Member Secretary
GUJCOST**

LIST OF MATERIALS OF APPROVED BRAND & THEIR MANUFACTURER.

- 1) Paints :
- a) Cement : Snowcem, Surfacem, Durocem.
- b) Synthetic Enamel/ Epoxy Paint : Asian, Garware, British Paint, Johnson Nicholson, ICI, or other approved make.
- 2) Cement : Ultra Tech, A.C.C, Sanghi & Ambuja or equally approved make.
- 3) a) Reinforcement Steel : Tested quality TMT Steel with TMT Mark of RINL, SAIL or Tisco or ISI Marked
- b) Structural Steel : RINL, TATA, SAIL or ISI Marked
- 4) Steel Windows : Man, Agew, Shivmular or any other Approved make.
- 5) Hard ware Fittings : Ozon, Everite, Dunex Ebco, Sterling or Equivalent.

(Note: - Where other materials are proposed to be used, these should be approved by EIC / Architect/ PMC).

Signature of Agency

**Advisor & Member Secretary
GUJCOST**

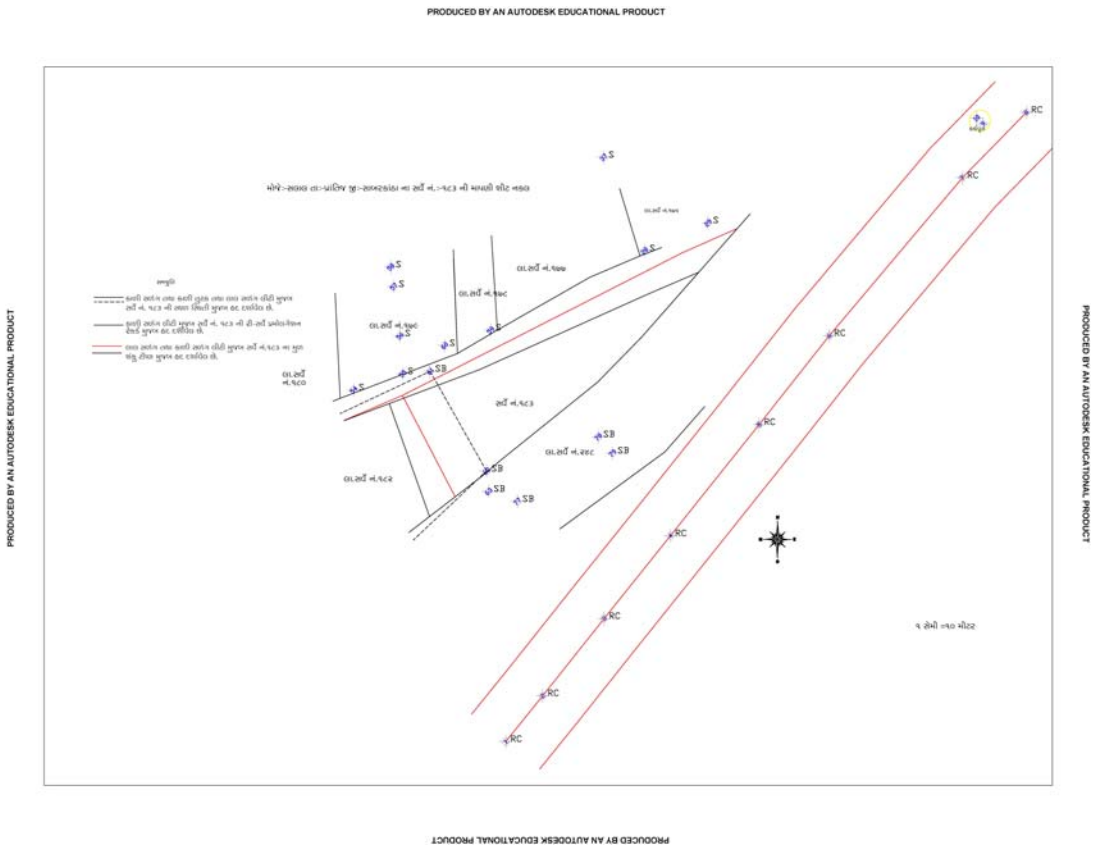
Name of Work:- Construction of wire fencing at Boundary of Proposed Land of Tropic of Cancer Science Park at Salal village on Himmatnagar in Sabarkantha District.

General Description

Location: This Compound is Located at [Salal Village](#) in Pratij, Sabarkantha.

Description of work:

1. The total land 5930 Square Metre at [Salal Village](#) in Pratij, Sabarkantha.
2. The total boundary length of the area would be 452 Rmt. Wire fencing as per SOR.
3. MS gates 2 numbers





Department of Science & Technology
Government of Gujarat

GUJARAT COUNCIL ON SCIENCE AND TECHNOLOGY
Department of Science & Technology, Govt. of Gujarat

**Tender Notice for Construction of wire fencing at Boundary of
Proposed Land of Tropic of Cancer Science Park at Salal
village on Himmatnagar in Sabarkantha District**

Price Bid



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Name of work: - Construction of wire fencing at Boundary of Proposed Land of Tropic of Cancer Science Park at Salal village on Himmatnagar in Sabarkantha District					
BOQ					
Sr. No.	Description	Per	Qty	Rate	Amount
1	Clearing of debris of all rubbish, making free of vegetation and other stuff for construction of fencing work. The stuff shall be disposed up to distance of 1 Km as directed.	Square Metre	1800.00		
2	Providing and fixing 1.20 Metre high fencing with 2.0 Metre long M.S. Angle posts 40mm x 40mm x6 mm and oil painting 3 coats fixed at 2.5 Mt, C/c. with five Horizontal lines and two diagonals of galvanised steel barbed wire weighting 9.38 Kg. per 100 Metre, strained and fixed to posts with G.I.staples including fixing the posts in ground with 0.5 M x 0.5.M x 0.5 M.block in C.C 1:2:4 etc complete.	Running Metre	452.00		
3	Providing & fixing M.S. fabricated gates of required pattern with necessary frames etc with M.S. flats, MS tubular sections & channels where required for door frames etc, the supports to be fixed in rich base concrete with all excavation, concrete back filling complete) at required spacing and around square or round bars with round headed bolts and nuts or by screws, heavy hinges, aldrops both sides, stoppers, top stopper etc required for doors complete as directed with one coat of approved primer and three coats of paint complete to the satisfaction of EIC. For MS fabricated gate and single/double leaf doors as per details.	One Kg	405.00		
5	Steel work, welded in built up sections framed work including cutting, hoisting, fixing in position and applying a priming coat of read lead paint. (A)In beams and joists, channels angles Tees, flats, with connecting plates or angle cleats as in main and cross beams. Hip and jack rafters, purlins connected to common rafters and the like (up to 10 ton) For diagonal/Intermediate/Corner supports to fencing. including embedding the angle section with 0.5 M x 0.5.M x 0.5 M.block in C.C 1:2:4 etc complete.	Quintal	2.00		
Total Amount Rs.					

(Amount in words:-)

Note: -

1. The rates are inclusive of all material, labor, quality testing, installation work at site, taxes, carting complete as directed.
2. Quantities may vary less or more depending upon requirements.
3. The quantities actually executed at site shall only be measured & paid.
4. The complete work shall provide warranty for period of 12 Months after completion. Contractor shall have to submit warranty bond on Rs. 100/- stamp paper towards the work assurance.

Signature of Contractor with Stamp

**Advisor & Member Secretary
GUJCOST**