



Sambalpur Municipal Corporation, Sambalpur

E-mail: sambalpurm.hud@nic.in

Ph: 0663-2411316

No 7111

/Date. 26/07/2022 SMC- 2022-23

NOTICE INVITING REQUEST FOR PROPOSAL (RFP)

1. The Municipal Commissioner on behalf of the Sambalpur Municipal Corporation invites Request For Proposal (RFP) in Double-cover system i.e. Technical and Financial proposal in conformation with detailed RFP Notice from the eligible **Registered Firms/ Bonafied Agencies/ Company/ MSME unit/manufacturers/ genuine Authorized supplier / Engineering firm/S.S.I unit** for "Repair & Renovation of gadgets / Exhibits inside Science & Evolution park at Burla with Operation & Annual Maintenance of Sambalpur Municipal Corporation for 3 years" having manufacture license, valid ISO certificate/ industry registration certificate, GST, PAN income tax clearance certificate in conformation with the term and condition from intending bidders fulfilling the eligibility criteria and other qualifying requirement. Please refer to Website www.smcsambalpur.nic.in & www.sambalpur.nic.in for complete details and downloading the document.

Sl No	Scope of work	Cost of Document in Rs. (Non Refundable)	Earnest Money Deposit (EMD) in Rs.
1	2	3	4
1	Repair & Renovation of gadgets / Exhibits inside Science & Evolution Park at Burla with Operation & Annual Maintenance of Sambalpur Municipal Corporation for 3 years	10,000/-	Rs 0/-

Last date for receipt of Technical and Financial proposals (Through speed / Registered post or Courier)

5.00PM of 16.08.2022

Name and address of the office	Municipal commissioner, Sambalpur Municipal Corporation, Sambalpur- 768006 Email: sambalpurm.hud@nic.in
--------------------------------	---

2. RFP documents can be seen in the website www.smcsambalpur.nic.in & www.sambalpur.nic.in.

3. **Cost of RFP Document:** Cost of RFP Document specified in column 3 of table of N.I.T. Non-refundable Proposal Document fee in shape of Demand Draft from any scheduled commercial bank in favour of "Commissioner, Sambalpur Municipal Corporation", payable at Sambalpur for Rs.10,000/- (Rupees ten thousand only) towards cost of RFP document is to be furnished by the bidder along with the Technical Proposal. Proposals Without the

requisite Document Fee shall be treated as non-responsive and rejected out rightly.

4. **Earnest Money Deposit(EMD):**As per office memorandum 8943/F / FIN-COD-MISC-0007-2019 dt 18.03.2021, 18281/WD dt.31.12.21 & 8475/F dt.05.04.22 no provision regarding Bid Security should be kept in the Bid Documents and only provision for " Bid Security Declaration" to be furnished by the Bidder.

5. The Bid documents will be available in the website www.smcsambalpur.nic.in & www.sambalpur.nic.in from **11.00 AM of dt.27.07.2022 to 5.00 PM of dt.16.08.2022.**

6. RFP shall be received on or before **through speed / Registered post or Courier 5.00 PM of dt.16.08.2022. Authority will be not be held responsible for any postal/ courier delay.**

7. The RFP document shall contain copy of (a) Registration certificate, (b) PAN, (c) GST registration certificate, license and other document required and special condition if any.

- Even if qualifying criteria are met, the applicant will be disqualified for the following reason
- if inquired and convinced by the department as to making a false statement or declaration in APPENDIX-A to F

8. Bidder should read the terms and conditions carefully before submission of proposal.

9. All original documents along with Affidavit of lowest Applicant will be verified before issue of work order.

10. Bidders shall be deemed to have the nationality of India.

11. **The Authority reserves the right to cancel, terminate, change or modify the process and / or requirements any or all the bids without assigning any reason thereof.**


Municipal commissioner
Sambalpur Municipal Corporation

Memo No. 7112 /SMC dt. 26/07/2022
Copy submitted to the Dist. Magistrate & Collector, Sambalpur for information.

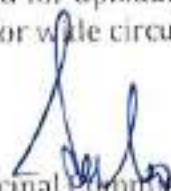

Municipal commissioner
Sambalpur Municipal Corporation

Memo No. 7113 /SMC dt. 26/07/2022
Copy submitted to the Chief Engineer- Cum - Addl. Secretary, H&UD Department & ILW, SMC for information & with a request to display this notice in his office notice board for wide circulation.


Municipal commissioner
Sambalpur Municipal Corporation

Memo No. 7114 /SMC dt. 26/07/2022


Copy to the office notice board/MIS, SMC for information and instructed for uploading of RFP documents in www.smcsambalpur.nic.in & www.sambalpur.nic.in for wide circulation.



Municipal Commissioner
Sambalpur Municipal Corporation

Memo No. 7115 /SMC dt. 26/07/2022

Copy to the PIO, NIC, Sambalpur for information and instructed for uploading of RFP documents in www.sambalpur.nic.in for wide circulation.



Municipal Commissioner
Sambalpur Municipal Corporation

SAMBALPUR MUNICIPAL CORPORATION



REQUEST FOR PROPOSAL

FOR

**REPAIR & RENOVATION OF GADGETS / EXHIBITS
INSIDE SCIENCE & EVOLUTION PARK AT BURLA
WITH OPERATION & ANNUAL MAINTENANCE OF
SAMBALPUR MUNICIPAL CORPORATION FOR 3
YEARS**

**SAMBALPUR MUNICIPAL CORPORATION
DURGAPALI, SAMBALPUR (ODISHA)- 768006**

BIDDING SCHEDULE

Availability of Request for Proposal document.	(Downloadable from Website: www.smcsambalpur.nic.in & www.sambalpur.nic.in)
Last Date of Submission of Pre-bid Query through E-mail Only (sambalpurm.hud@nic.in)	08.07.2022 till 5.00 P.M
Last Date of Uploading of response to Pre-bid Query	10.07.2022
Last date for receipt of Technical and Financial proposals (Through speed / Registered post or Courier)	Dt 16.08.2022 till 5.00 P.M
Date and Time of opening of Technical proposals	Dt 17.08.2022 at 4.00 P. M
Date and Time of opening of Financial proposals	To be intimated Later

Disclaimer

1. Bid document for Repair & Renovation of gadgets inside science park at Burla with Operation & Maintenance for 3 years of Sambalpur Municipal Corporation contains brief information on the scope of work, Eligibility requirements and details of the selection process amongst others for the successful Bidder.
2. Intimation of discrepancies in the bid document, if any, may be given by the Bidders to the office of Sambalpur Municipal Corporation within the time. Sambalpur Receives no written communication, it shall be deemed that the Bidders are satisfied with the Information provided in the bid document.
3. This bid document is not an agreement. The scope of work and other information as well as the Right and obligations of the successful Bidder shall be set out in a separate agreement to be executed between Sambalpur Municipal Corporation and the successful Bidder.
4. Sambalpur Municipal Corporation reserves the right to accept or reject any or all Bids without giving any reasons thereof.
5. Sambalpur Municipal Corporation shall not entertain or be liable for any claim for costs and expenses in relation to the preparation of the documents to be submitted in terms of this bid document.
6. Sambalpur Municipal Corporation may include any other item in the Scope of work at any time after consultation with Bidders or otherwise.
7. The Sambalpur Municipal Corporation reserves the right to relax or waive any of the conditions stipulated in this document as deemed necessary in the best interest without assigning any Reason thereof.

1. DESCRIPTION AND LOCATION OF THE PROJECT

The Project is located at Science & Evolution park, Burla inside Planetarium Complex under Sambalpur Municipal Corporation in the district of **Sambalpur** in the state of Odisha constructed over 3.5 acre of land.

Total number of outdoor science gadgets / exhibits :- **86 Nos**

Total number of evolution park models :- **31 Nos**

2. Format and signing of proposal

The proposal shall be submitted in two parts:

Part A: Technical Proposal - While preparing the Technical Proposal, the bidders are expected to examine the documents comprising this tender in detail. Material deficiencies in providing the information requested may result in rejection of a Proposal.

The Technical Proposal shall provide the following information using the attached Standard Forms.

- I. Cover Letter for Technical Proposal (APPENDIX-A)
 - II. Bidders Profile (APPENDIX-B)
 - III. Project Experience (APPENDIX- C)
 - IV. Information regarding current litigation, debarring/ expelling of the Quotation or abandonment of the work by the applicant (APPENDIX-D)
 - V. No Relationship Certificate in (APPENDIX-E)
 - VI. Bid Security Declaration (APPENDIX-F)
- The Technical Proposal shall not include any Financial Proposal.

Part B: Financial Proposal:

- In preparing the Financial Proposal, the bidders are expected to take into account the Requirements and Conditions of the tender document. The Financial Proposal shall follow Standard Forms (PART-II).

Note:

- i. The proposals shall be typed or written in indelible ink and shall be signed by the authorized signatory of the bidder.
- ii. Any interlineations, erasures or overwriting shall not be allowed for submission of the Proposal & liable for rejection.
- iii. The bidders shall express the price of their Services in INR.

3. Submission of Proposals Packing, Sealing and Marking of Proposals

- a. The Technical Proposal (Part A) and Financial Proposal (Part B) must be inserted in separate sealed envelopes, along with bidder's name and address in the left-hand corner of the envelope and super scribed in the following manner.

PART A

TECHNICAL PROPOSAL for Repair & Renovation of gadgets inside science park at Burla with Operation & Maintenance of Sambalpur Municipal Corporation for 3 years, Sambalpur

PART B

FINANCIAL PROPOSAL for Repair & Renovation of gadgets inside science park at Burla with Operation & Maintenance of Sambalpur Municipal Corporation for 3 years, Sambalpur

- b. Both the Envelopes i.e., Envelope for **Part A** and Envelope for **Part B** must be packed in a bigger sealed outer cover and clearly super scribed with the following:

PROPOSAL

For

Repair & Renovation of gadgets / Exhibits inside science & evolution park at Burla with Operation & Annual Maintenance as is where is basis of Sambalpur Municipal Corporation for 3 years

The Bidder's Name & Address shall be mentioned in the left-hand bottom corner of the outer envelope.

c. The envelopes shall be addressed to Commissioner, Sambalpur Municipal Corporation at the following Address:

**Commissioner, Sambalpur Municipal
Corporation, Durgapali, Sambalpur-768006,
Odisha.**

d. If the outer envelope is not sealed and marked as mentioned above, then SMC will assume no responsibility for the Proposals being misplaced or opened pre-maturely.

e. Telex, Cable or facsimile Proposals will be rejected.

4. Scope of Work

A. Repair & Renovation of Gadgets / Exhibits:-

- Scope of works includes Repair & Renovation of gadgets / Exhibits inside Science park with necessary repair & functional, fixing of explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications of each items as per the detailed mentioned in this chapter-7 for which payment will be made as mentioned in the payment terms.

B. Operation & Maintenance of Gadgets / Exhibits:-

- All Scope of Services shall be undertaken in accordance with the terms & Condition of the Agreement Maintenance and upkeep of the all gadgets, exhibits inside the Science & Evolution Park under SMC including watch & ward(Gadgets/Exhibits only) & deployment of personal to act as demonstrator for guidance to visitors, making all scheduled & break down maintenance during contract period & any other scope of work not specified in RFP in coordination with SMC for annual maintenance of gadgets / Exhibits inside science & evolution park at Burla inside planetarium complex for 3 years from the date of agreement with Sambalpur Municipal Corporation.
- Maintenance works includes
 - I. All periodic / Scheduled maintenance including oiling / greasing & application of paint as & when required as per maintenance schedule to be carried out by the agency.
 - II. All break down maintenance to be performed on gadgets that has brakes down.

5. ELIGIBILITY CRITERIA

- a) The bidder should have the experience in manufacturing & repair of gadgets/science park exhibits at least for 5 years and provided 'after sale service for the same.
- b) The annual turnover should be minimum of 100 lakhs.
- c) The intending bidder shall have to submit proof of their pre-qualification and experience of similar type of work in any Govt. Organization/PSUs along with Bid Document of tender. Copies of all the documents shall be self attested. Proof shall be in the form of copy of work order & completion certificate for similar nature of job. Similar nature shall be defined as "works related to supply and installation / Repair & Renovation of science / evolution park gadgates/models/Exhibits."
- d) Copies of original documents defining the constitution or legal status, place of Registration and principal place of business are to be furnished.
- e) Government-owned enterprises shall be eligible only if they can establish that they are legally and financially autonomous and operate under commercial law.
- f) The bidder should essentially be ISO certified manufacturer of Science/ Evolution Park gadgets or an authorized dealer of such an ISO certified manufacturer.
- g) Bidders should be a Proprietorship Firm / Partnership Firm / Private Limited Company/ Public Limited Company / Limited Liability Partnership / Cooperative Society or a Society Registered in under appropriate provisions of applicable law. For Public Limited Companies, proof of enlistment in any Stock Exchange of India is required.
- h) The applicant should furnish an undertaking to the effect that the Agency has never been Black listed in India or abroad.

6. INSTRUCTIONS TO BIDDERS

- a) The Bidders shall be responsible for all of the costs associated with the preparation of their Bids and their participation in the Bidding Process. Sambalpur Municipal Corporation shall not be Responsible or in any way liable for such costs, regardless of the conduct or outcome of the Bidding Process.
- b) It shall be deemed that by offering a Bid, the Bidder has:
 - Made a complete and careful examination of the bidding documents, visited The site, received all relevant information from Sambalpur municipal corporation at his own cost.
 - Satisfied itself about all matters, things and information hereinabove Necessary and required for bidding, execution of the agreement in accordance With the bidding documents and performance of all of its obligations there under.
 - Acknowledged and agreed that ignorance of any of the matters herein above Shall not be a basis for any claim for compensation, damages, claim for Performance of its obligations, loss of profits, etc. from Sambalpur municipal corporation. Agreed to be bound by the undertakings submitted by it under and in terms Hereof.
- c) Any corrigendum including extension of date or change of date for submission of the Tender shall be published on the website and that shall be deemed to have been seen by the bidders.
- d) Final selection of Agency from the bid received will be done at the discretion of Sambalpur Municipal Corporation and the decision of Sambalpur Municipal

Corporation shall be final and binding on all the participating parties.

- e) Details submitted by the parties shall be examined in line with criteria mentioned at Chapter No. 5. All the terms and conditions shall be considered in totality and applications Received without documents complying with the above conditions shall be summarily rejected.
- f) Bidders can also be asked to furnish additional information/confirmation in connection with verification of the documents submitted by them, if deemed necessary.
- g) If at any stage, it is found that the documents submitted by the Bidder or their claims are false, then the offer of the bid will be rejected and/ or the agreement/contract will be terminated.
- h) The Agency must execute an Agreement with Sambalpur Municipal Corporation to fully protect Sambalpur Municipal Corporation's overall interests and also the interests of the Agency.
- i) On expiry of the said Agreement or on its termination for any cause whatsoever, the Agency shall vacate the premises and hand over the peaceful possession to the Sambalpur municipal corporation.
- j) The prayer for renewal, if any, shall be considered on satisfactory performance of the Agency. In that case, the incorporation of any additional terms and conditions in the Mode of Operation will be decided by the Sambalpur Municipal Corporation.
- k) The Agency shall not make any addition or alteration within the scheduled premises Without any explicit, written permission of the Sambalpur Municipal Corporation.
- l) The allottee will have to commence the repair works within 10 days from the date of handing over the possession, otherwise the Sambalpur Municipal Corporation will have right to terminate the Agreement.
- m) The allottee shall not be permitted to use the common areas of the Park for conducting. Any form of business other than tools, machines and spares' storage purposes. Common areas shall not be blocked or encroached upon in any way whatsoever.
- n) The Bidder will have to make his own arrangements for electricity or if in case the same being provided by S.M.C., then the contractor shall install a meter and pay their use to the S.M.C as per TPWODL Tariff.
- o) Prospective Bidders may seek any clarification on or before Dt.08.07.2022.The scheduled by writing email to Email Id: **sambalpurm.hud@nic.in only**.
- p) At any time prior to deadline for submission of proposal SMC may for any reason modify the RFP document by issuance of amendment/addendum. Such amendments shall be posted on the website www.smcsambalpur.nic.in & www.sambalpur.nic.in.
- q) Any damage to the S.M.C property caused during the maintenance operation shall be made good or compensated by the Bidder.
- r) The Bidder shall maintain and update all records of labour employed for this work and produce the same to the Engineering-in-charge on daily basis and any other Competent Authority as and when required.
- s) Bidder will be not permitted to construct any permanent structure for above purpose without the permission of the Authority.
- t) Persons to be engaged by the bidder for watch and ward should be well behaved to the public.
- u) The entire amount quoted in the bid document should be inclusive of all the taxes, service charges, labour cess as applicable other charges will be entertained.
- v) The bidders should also provide GST/TIN No./PAN card details at the time of submission of tender.

- w) All bidders shall include a statement giving the following particulars:
Major items of Equipments, Tools and machinery proposed for use in carrying Out the Contract.
- x) Proposal once submitted cannot be withdrawn.
- y) Consortium Bidder's are not allowed.
- z) **The intending bidder is required to quote rate annually in financial proposal for three years separately as given in financial proposal (Part-II). On workable rate quoted by the bidder shall not been taken in to consideration and liable for rejection.**
- aa) **Bidding of rate for three years by the intending bidders in Financial Proposal is compulsory otherwise the bid is liable for rejection.**

7. Concept with Technical Specification.

7.1. Science Park gadgets.

Sl No	Item	Concept with Technical Specification
1	FIRST ORDER LEVER	<p>Concept: The mechanical advantage gained through a first order lever is illustrated with varying distance of fulcrum from weight.</p> <p>Technical specification of the gadget: Product Size:9'*2' Height:1' 1 1/4 *1/4 Ms Angle 9'length 20kg Weight 1" Gi Pipe Thickness 2 Mm 45 Mm Dia Ms Push 22mm Ms Rod 4.75", 3 No</p>
2	SECOND ORDER LEVER	<p>Concept: The mechanical advantage gained through a second order lever is illustrated with varying fulcrum distance from weight.</p> <p>Technical specification of the gadget: Product Size:9'*2' Height:1' 1 1/4 *1/4 Ms Angle 9'length 1" Gi Pipe Thickness2 Mm 45mm Dia Ms Push 22 Mm Ms Rod 4.75",3 No 9" Height 2" Dia Spring 3 No</p>
3	THIRD ORDER LEVER	<p>Concept: The mechanical advantage gained through a third order lever is illustrated with varying fulcrum distance from weight.</p> <p>Technical specification of the gadget: Product Size:9'*2' Height:1' 1 1/4 *1/4 Ms Angle 9'length 20kg Weight 1" Gi Pipe Thickness2 Mm 45mm Dia Ms Push 22 Mm Ms Rod 4.75",3 No</p>

4	LOOP THE LOOP	<p>Concept: Potential energy converted into kinetic energy and overcoming gravitational pull with the help of centrifugal force obtained at a circular loop, are explained here.</p> <p>Technical specification of the gadget:</p> <p>Product Size:45"×14'</p> <p>12mm Ms Round Rod</p> <p>16 Gauge Gi Sheet</p> <p>2" Gi Pipe Thickness 3mm</p> <p>1 ½ Gi Pipe Thickness 2 Mm</p> <p>1" Gi Pipe Thickness 2 Mm Thickness</p> <p>6" Wooden Ball</p>
5	NEWTON THIRD LAW	<p>Concept: Wonderful play model for explaining that for every action there is an equal and opposite reaction.</p> <p>Technical specification of the gadget:</p> <p>Product Dia: 4'</p> <p>Height:7.5 Feet</p> <p>Fibre Umbrella1" Thickness Dia 30"</p> <p>6208z Ball Bearing 1 No</p> <p>51110 Thrust Bearing 1 No</p> <p>51118 Thrust Bearing 1 No</p> <p>Ucp 210 Bearing 1 No</p> <p>16 Gauge Gi Sheet 30" Dia</p> <p>42mm Dia 30 Length Ms Rod 1 No</p> <p>Additional Collar With 8mm Balls 40no</p> <p>10mm Thick 1' Dia Round Plate 2 No</p> <p>Shaft Surround Support 3" Gi Pipe Thickness 3 Mm</p>
6	CYCLOIDICAL PATH	<p>Concept:</p> <p>Gaining acceleration due to gravity is varied with two different shaped paths. Shortest path is achieved with the cycloidal curve.</p> <p>Technical specification of the gadget:</p> <p>Product Size:8'×30"</p> <p>Height:4'</p> <p>Fibre Path 8 Feet Long</p> <p>Fibre Path Thickness 4 Mm</p> <p>4 Layer Fibre Mat</p> <p>1 ½ Gi Pipe Thickness 2.5mm</p> <p>¾" Gi Pipe Thickness 2mm Thickness</p> <p>6" Plastic Ball</p> <p>1"×1/4 Ms Flat</p>
7	DOUBLE ENDED CONE	<p>Concept: The equilibrium of any object is governed by the position of it's centre of gravity. This fascinating model explains it with fun.</p> <p>Technical specification of the gadget:</p> <p>Product Size:9'×3'</p> <p>Height:1.5'</p> <p>1 ½ Gi Pipe Thickness 3mm</p> <p>¾" Gi Pipe Thickness 2.5 Mm Thickness</p> <p>Cone Fabricated 16 Gauge Sheet</p> <p>1 1/4×1/4 Ms Angle</p>

8	FLOATING BIRD	<p>Concept: Here, a bird suspended at it's beak tells the story of center of gravity.</p> <p>Technical specification of the gadget: Product Size: 7' Dia Height 5' 1 1/2 Gi Pipe Thickness 2.5 Mm Length 4.5 Feet Fibre Floating Bird Thickness 5mm, 3 Layer Mat Ms Rod 10 Thickness 3/4*1/4 Ms Flat</p>
9	ANGULAR MOMENTUM	<p>Concept: Concentration of mass at rotating axis increases angular velocity and angular momentum is explained through this single seat merry-go-round.</p> <p>Technical specification of the gadget: Product Size: 5' Dia Product Height : 3' 6208z Ball Bearing 2 No 6" Dia Ms Weight 2 No Needle Bearing 16mm*16mm 42mm Dia 30 Length Ms Rod 1 No Shaft Surround Support 3" Gi Pipe Thickness 3 Mm 5/8 Ss Rod 2 Feet 2 No 10mm Thick 1' Dia Round Plate 2 No 1" Dia 1.5" Length Bore Spring 4no Additional Collar With 8mm Balls 40no 16 Gauge Gi Sheet 3/4 Gi Pipe Thickness 2mm 1" Gi Pipe Thickness 2 Mm 5/8 Ms Round Rod Handle</p>
10	MASS & INERTIA	<p>Concept: With three rotating disc of iron, aluminum, wood, the relationship between mass and inertia is illustrated.</p> <p>Technical specification of the gadget: Product Size 2.5' Product Height : 3.75' 1 feet Dia 12 Mm Thickness Ms Plate 1 No 1 Feet Dia 12 Mm Thickness Acrylic Plate 1 No 1 Feet Dia 12 Mm Thickness Aluminium Plate 1 No 6202z Ball Bearing 3 No 1 1/4 Gi Pipe 5' Thickness 2.5mm Thickness 1" Gi Pipe Thickness 2mm Thickness</p>
11	CENTRIFUGAL FORCE	<p>Concept: The force acting over any particle that revolves about an axis, factors governing centrifugal force are explained with fun filled merry-go-round.</p> <p>Technical specification of the gadget: Product Area Dia: 7 Feet Height: 3.5 feet 1 3/4 Gi Pipe Thickness 2.5 Mm 2mm Thickness Gi Chain 1" Gi Pipe Thickness 2 Mm</p>

12	Friction & Speed	<p>Concept: Three Balls, Challenging Each Other Teach Us The Relationship Between Friction, Texture And Speed.</p> <p>Technical Specification Of The Gadget: Product Size: 8' * 42" Product Height : 4' 6" Plastic Ball 3 No 16 Gauge Gi Sheet Plain Path 8' * 12" No 8' * 12" Sand Path 1 No 8' * 12" Rod Path Thickness Of 6 Mm 1 * 1/4 Ms Angle 8 feet 6 No 1 1/2 Gi Pipe Thickness 2.5mm 6mm Ms Round Rod 10mm Ms Round Rod</p>
13	ROLLING DISC	<p>Concept: Inertia is directly related with mass. The gadget here explains it with simple trial over rolling disc of different masses.</p> <p>Technical specification of the gadget: Product Size : 50" * 22" Height : 3' 1 1/4 * 1/4 Ms Flat Rolling Disc 1' Dia 2 no Ms Push 12mm Thick 50 Mm Dia 12 No 1" Gi Pipe Thickness 2 Mm</p>
14	PULLEY & PULLEY BLOCK	<p>Concept: The mechanical advantage gained by combining number of pulleys is explained here.</p> <p>Technical specification of the gadget: Product Size: 6' * 4' Height: 7' 5" Ms Pulley 8 No 6202z Ball Bearing 8 No 10kg Weight 3 No 1' dia 2' height Circle Guard 3 no 10mm Ms Rod 2" Gi Pipe Thickness 2.5mm 1" Gi Pipe Thickness 2mm</p>
15	PROJECTILE	<p>Concept: Fascinating facts of trajectory is explained by this gadget.</p> <p>Technical specification of the gadget: Product Size: 5' * 19" Height: 8.5' 1 1/2 Gi Pipe Thickness 2.5mm 1" Gi Pipe Thickness 2 Mm Frp Funnel Thickness 3mm 3 Layer 16 Gauge Gi Sheet 1 1/2 Ms Angle 3/4 Gi Pipe 2mm Thickness</p>
16	HOW FRICTION HELPS	<p>Concept: main frame fabricated with 32mm Dia Gi 'B' Class pipe. 6 Numbers of solid metal blocks fitted on 19mm Dia SS Pipe. 2 Vertical column of 5' high used for fixing the frame with metal blocks.</p>

		Technical specification of the gadget: Product Area : 6' * 2' * 5'
17	SINE WAVE	Concept: main frame fabricated with 75 mm X 25mm X 6mm Mild steel channel fitted with ball guiding path fabricated using 12mm Dia mild steel rod. 5" dia wooden ball provided with a ball holder. Technical specification of the gadget: Product Area : 35' * 3' * 7'
18	GRAVITY BALL	Concept: Rate of change of velocity can be viewed by allowing a ball to roll here. Technical specification of the gadget: Dimension In : l x b x h : 5 x 7 x 7
19	BOW DITCHCURVE SWING	Concept: The Resultant of two simple harmonic motions, with fixed phase difference is shown here Technical specification of the gadget: Product Area: Length: 4 Feet Breath: 4 Feet Height: 7 feet' 1 1/2 Gi Pipe Thickness 2.5 Mm 2mm Thickness Gi Chain 1"Gi Pipe Thickness 2 Mm
20	GYROSCOPE	Concept: The moment of moments is explained with this funny model. Technical specification of the gadget: Dimension In: 7 x 4.
21	CONSERVATION OF ENERGY	Concept: Wonderful gadget with swinging balls prove the law of conservation of energy. Technical specification of the gadget: Product Size :3.5'*2.5' Height: 6 Feet Top Frame 1/4 Gi Pipe Thickness 2 Mm Side Support 1 1/2 Gi Pipe Thickness 2.5mm 3"Ss Steel Ball 7 No 4mm Iron Rope
22	ARCH BRIDGE	Concept: The hidden truth of good old construction technology is revealed here. Technical specification of the gadget: 16 gauge gi sheet 3/4 gi pipe thickness 2mm 1"gi pipe thickness 2 mm 5/8 ms round rod handle product area: length: 8 feet breath: 3 feet height: 6 feet
23	CIRCUS OF ENERGY	Concept: The massive structure with combination of paths explains about potential energy, kinetic energy , centrifugal force, transformation of energy from one form to another and work done by spending energy.

		Technical specification of the gadget: product size:20'*10' height:12' 10mm ms round rod $\frac{3}{4}$ "*1/4 ms flat 1 $\frac{3}{4}$ gi pipe $\frac{1}{4}$ gi pipe skating wheel magnetic coil 1 set led bulb wire 6206z ball bearing 6 no 1 *1/4 ms angle
		SOUND
24	BELL TOWER	Concept: The vibrating material made up of various elements explain the relationship between frequency of sound and vibrating material density. Technical specification of the gadget: product size:30"*30" height:4.5' 4mm iron rope small hammer 1 no brass bell 1 no alluminium pipe 1 no gi pipe 1no round wood 1 no 1 $\frac{3}{4}$ ms pipe 2mm thickness
25	PARABOLIC DISHES'	Concept: Sound waves have the property similar to light like reflection, convergence and divergence. This fun filled model explains it clearly. Technical specification of the gadget: product size:58"*2.5' height:3' dishes fabricated by frp thickness 6mm, mat layer 4 no 1" gi pipe thickness 2mm 2"*1"ms square tube
26	MUSICAL TUBES	Concept: The pitch of any vibrating material is inversely proportional to the length of the same. This basic concept used in string instruments is illustrated here. Technical specification of the gadget: product size:9'*1' height:8' $\frac{3}{4}$ gi pipe thickness 2mm $\frac{1}{2}$ " gi pipe thickness 2mm ms rod thickness6mm 4mm iron rope 1 1/2ms pipe thickness 2mm small hammer 1 no 1 $\frac{3}{4}$ ms pipe 8 no
27	ECHO TUBE	Concept: The basic concept for getting a clear echo is illustrated

		<p>here with sufficient time lag achieved between original sound and it's echo</p> <p>Technical specification of the gadget: product length 60" height:80" 6" pvc pipe 3 length 6" pvc dummy 6" coupling 2 no 1" gi pipe 1*1/4 ms flat</p>
28	STATUE SPEAKS	<p>Concept: Sound can travel in any direction can be illustrated with these attractive statues.</p> <p>Technical specification of the gadget: Fibre reinforced polymer made statues of two nos erected on a pedestal, which are interconnected with a leak proof conduit of 25 mm dia. The FRP wall thickness should be of two layers and wall thickness of 4 m.m.</p>
29	TARANG	<p>Concept: The air columns with varying lengths vibrate for a joyous learning.</p> <p>Technical specification of the gadget: Dimension In: l x b x h : 3 x 6 x 9</p>
30	NIPKOV'S DISC	<p>Concept: The hidden image scanned by the perforated disc and reveals the truth behind the working of television.</p> <p>Technical specification of the gadget: product size:45"*20" height :5' 16 gauge gi sheet inside belt drive system 1" gi pipe thickness 2mm 1' pulley 2" pulley 1 ¼*1/4 angle 1 ½ ms flat</p>
		LIGHT
31	ILLUSION	<p>Concept: main frame fabricated with 25mm X 25mm X 6mm mild steel angle fitted with 3 free rotating discs with images with the help of 6203 bearing and a circular handle.</p> <p>Technical specification of the gadget: product area : 5' * 2' * 5'</p>
32	MAGNIFICATION PLATE	<p>Concept: main frame fabricated with 25mm X 25mm X 6mm mild steel angle fitted with 6mm plain glass with stand alone single seat made up of FIBER REINFORCED POLYMER fitted on 40 mm Dia GI 'B' Class pipe.</p> <p>Technical specification of the gadget: AREA - 15'*3' * 4'</p>
33	PRIMARY & SECONDARY COLORS	<p>Concept: The combination of primary colours and arrival of secondary colours achieved in this gadget.</p> <p>Technical specification of the gadget:</p>

		Dimension In : l x b x h : 2 x 5 x 5
34	REVOLVING PERISCOPE	<p>Concept: A merry-go-round attached with a large periscope revolves to instruct us the reflection of light at plane mirror.</p> <p>Technical specification of the gadget: product size: 4' x 1' height: 8.5' 10.5 x 7.5 mirror 2 no 7.5 x 7.5 plain glass 1 no 16 gauge gi sheet 1' dia 1" thickness wooden plate 1 no 6208z ball bearing 2 no additional collar with 8mm balls 40 no 42mm round rod 40" , 1 no 10mm thick 1' dia round plate 2 no shaft surround support 3" gi pipe thickness 3 mm</p>
35	SIMPLE CAMERA	<p>Concept: The inverted image tells us the story of convex lens and property of light rays.</p> <p>Technical specification of the gadget: product size: 18" x 2' product height: 5' 2" ms pipe thickness 2.5mm 16 gauge sheet 1 1/4" x 1/8 ms angle 4" concave lens 1 no 14" x 14" smoging mirror 1 no 14" ms push 45" x 45" , 1 no 14" acrylic sheet thick 2mm 1 no</p>
36	PLAY WITH MIRRORS	<p>Concept: Enjoy funny images given by the property of reflection at concave, convex & plane mirrors.</p> <p>Technical specification of the gadget: Dimension In : l x b : 5 X 6</p>
37	PIN HOLE CAMERA	<p>Concept: Inverted image gives us a straight idea about light ray's property when it is allowed through a pin-hole. Enjoy the scenery by rotating the camera all around.</p> <p>Technical specification of the gadget: product size: 2' x 2' product height: 2" gi pipe thickness 2.5mm 16 gauge sheet 1 1/4" x 1/8 ms angle 14" x 14" smoging mirror 1 no ms push 45" x 45" , 1 no</p>
38	SOUND WAVE DRUM	<p>Concept: Sound waves propagated in air vibrates a bead suspended on a drum kept in line with another drum vibrated with a strike.</p> <p>Technical specification of the gadget: 50 mm dia Galvanized Iron Pipe 'B' class confirmed to bureau of indian standard used for fabricating two frames to support two drums kept apart. Striker provided to demonstrate the</p>

		propagation of waves.
39	RIPPLE TANK	<p>Concept: The newton's rings can be created with the set-up here. The clear fringes teach us refraction, interference & diffraction of waves.</p> <p>Technical specification of the gadget: Dimension In: l x b x h: 4 x 4 x 6</p>
40	COMPOUND PENDULAM	<p>SIMPLE HARMONIC MOTION</p> <p>Concept: Compound concept can be explained</p> <p>Technical specification of the gadget: 1 ½ gi pipe thickness 2.5 mm 2mm thickness gi chain 1" gi pipe thickness 2 mm product area length: 5 feet height: 5 feet breath: 5 feet</p>
41	SYMPATHETIC SWING	<p>Concept: The resonance principle is explained with a wonderful play model here. Resonance, energy transfer and perpetual motion, all these are explained here.</p> <p>Technical specification of the gadget: product size:12.5'x5' height :11' 2 gi pipe thickness 3mm 2"x1" ms square tube 8mm ss chain frp swing seat 4layer thickness 6mm it has inside metal frame bonding</p>
42	LISSAJOU'S FIGURES	<p>Concept: The resultant of two simple harmonic motions is explained here with the uniform patterns arrived.</p> <p>Technical specification of the gadget: product size:5'x3.5' height: 7.5 feet 1 ½ gi pipe thickness2.5mm, 8 feet long 16 gauge sheet ss cone 1 no gi chain thickness 2mm</p>
43	SWING IS A PENDULUM	<p>Concept: The relationship between the frequency of a simple pendulum and it's length, is taught with a group of swings</p> <p>Technical specification of the gadget: Dimension In: l x b x h : 10 x 15 x 12</p>
44	WAVE MOTION	<p>Concept: Node, anti-node and collision of waves can be visualized here</p> <p>Technical specification of the gadget: product size:1.5'x3' height :14' 1 ½ gi pipe thickness2.5 mm length 15 feet 7 mm ms bright rod 1 3/4" dummy 4mm iron rope</p>

45	VARIABLE PENDULUM	<p>Concept: The relationship between the length of the pendulum and its frequency is illustrated here.</p> <p>Technical specification of the gadget: Dimension In: l x b x h : 3 x 4 x 6.</p>
46	BARTON'S PENDULUM	<p>Concept: The resonance concept is illustrated with three sets of pendulums suspended in this gadget.</p> <p>Technical specification of the gadget: product size: 8' x 4' height : 6.5' 1 ½ gi pipe thickness 2.5 mm 2mm thickness gi chain 3" steel ball 6 no 1" gi pipe thickness 2 mm</p>
		PHYSIOLOGY
47	PERSISTENCE OF VISION	<p>Concept: The property of our retina utilized for enjoying motion picture is explained here.</p> <p>Technical specification of the gadget: Dimension In : l x b x h : 4 x 4 x 6</p>
48	NEWTON'S COLOUR DISC	<p>Concept: White light is nothing but a mixture of colours. A famous theory is explained with whirling coloured wheel.</p> <p>Technical specification of the gadget: product size: 4' x 12" height : 3.5' chain drive with pre wheel set colour disc fabricated by fibre thickness 4 mm 1" gi pipe thickness 2 mm 1*1/8 ms flat 5/8 ms rod</p>
49	3-D PENDULUM	<p>Concept: The illusion created by allowing varying intensity of light into each of our eye can be enjoyed here</p> <p>Technical specification of the gadget: product size: 4.5' x 10" height: 7.5 5/8 ms rod 1 ½ gi pipe 2.5mm thickness</p>
50	PERCEPTION OF DEPTH	<p>Concept: The illusion created by two-dimensional vision is illustrated here.</p> <p>Technical specification: Fibre reinforced polymer made 3-D dolls are installed on metal frame made up of 25 m.m Galvanized iron pipe.</p>
51	1+1<1	<p>Concept: The perception of our mind is demonstrated well with this fun filled gadget.</p> <p>Technical specification of the gadget: product size: 30" dia height: 5' 16 gauge gi sheet 2.5' dia</p>

		<p>½ gi pipe thickness 2mm moving 2 different weight 2 no 2" ms flat</p>
		APPLIED SCIENCE
52	ARCHIMEDES SCREW	<p>Concept: Centrifugal force utilized in ancient days for water lifting is explained here</p> <p>Technical specification of the gadget: product size:6'*27" height :4' 6*2 tank fabricated by fibre thickness 3mm,layer 3 no 1 1/4" green hose 1*1/8 ms angle 1*1/8 ms angle 12 mm rod 1*1/4 flat 1" gi pipe thickness 2mm.</p>
53	GEAR,BELT& CHAIN DRIVE	<p>Concept:Power transmitted from one axis to another is explained here with various mechanisms.</p> <p>Technical specification of the gadget: product size:4.5'*1' height :5' gear drive 1 set belt drive 1 set chain drive with pre wheel 1 set 1"*1" weld mesh size 4'*3' 1 ½ gi pipe thickness2.5 mm</p>
54	GEAR TRAIN	<p>Concept: Power transmitted from one axis to another is explained here with various mechanisms</p> <p>Technical specification of the gadget: product size:30"*1' height :4' 1"*1" weld mesh size 30"*2" 1 ½ gi pipe thickness2.5 mm gear drive 1 set</p>
55	INCLINED PLANE	<p>Concept:Simple lifting machine with varying slopes is installed here to explain the factor governing mechanical advantage</p> <p>Technical specification of the gadget: product size:8'*12' height :7' frame fabricated by 1 ½ * ½ ms angle 2" gi pipe 8' 1 no thickness 3mm 6202z ball bearing 12no with collar set 16 mm cotton rope 1 bundle 1 ½ *1/4 ms angle 1*1/4 angle 4*1/4 angle</p>
56	KNOW YOUR WEIGHT	<p>Concept: First order lever concept is applied to know the user's weight with a help of long platform fitted with dead weight at one end.</p>

		Technical specification of the gadget: 32mm X32mm X 6 mm mild steel angle used for fabricating the main frame. Galvanized Iron sheet used for walkway. Mild steel bushes of 50 m.m diameter fitted with mild steel shaft acts as pivot for the lever.
57	WORM WHEEL	Concept: The mechanical advantage gained through a worm and wheel arrangement is self explanatory here Technical specification of the gadget: product size:24"*24" height :3.5' 10 kg weight 1 no 4mm iron rope 1" gi pipe thickness 2mm worm gear 1 set
58	HYDRO ELECTRIC POWER PLANT	Concept: A miniature model that explains the structure of a dam and electric power generation system through hydel power (electrically operated). Technical specification of the gadget: product size:30"*30" height :4' tank fabricated by fibre ,inside metal structure bonding,3 mm thick ¼ hp motor magnetic coil 1 set acrylic top cover 2mm thickness led bulb with dome set 6 mm rod 1*1/8 ms angle 1*1/8 ms flat
59	AUTOMOBILE-WORKING MODEL	Concept: A real time working model of an automobile explains the functioning of internal combustion engine. Clutch, gearbox, hydraulic brake, steering and differential mechanisms Technical specification of the gadget: product size:8"*5' height :7' auto mobile engine,clutch ,gear box,hydraulicbrake,steeringmovement,wheel alignment, 1 ½ gi pipe 1" gi pipe 1/2" gi pipe 1*1/8 ms flat
60	SOLAR POWERED RADIO	Concept: Technical specification of the gadget: product size:30"*15" height :4' 16 gauge gi sheet solar panel fm radio adapter 3/4" gi pipe thickness 2mm

61	LIFT YOURSELF	<p>Concept: An enjoyable interactive play model explains the mechanical advantage gained through pulley system.</p> <p>Technical specification of the gadget: product size:6'*3' height :8' 1 ½ gi pipe ¾ gi pipe 1 ¼*1/4 ms flat 5" pulley 6202z ball bearing 6 no 16mm cotton rope 1 bundle 10mm ms rod frp lift seat thickness 3mm</p>
62	FIRST ORDER LEVER-SEE SAW	<p>Concept: The mechanical advantage gained through a first order lever is illustrated with varying distance of fulcrum from weight</p> <p>Technical specification of the gadget: product size:10'*5' height :1.5' 1 ¾ gi pipe thickness 2.5mm 2" gi pipe thickness3mm see saw push 2 no frp seat 4 no thickness 4mm layer 3 no 1*1/4 ms flat ¾ gi pipe thickness 2 mm</p>
63	TYPES OF GEARS	<p>Concept: Mechanical means of transfer and transformation of energy from one axis to another can be achieved through various system. Types of gears illustrate that.</p> <p>Technical specification of the gadget: 32 m.m dia galvanized iron pipe should be used for fabricating the main frame. Proper cross support and fastening arrangement to be made for fixing various types of gears.</p>
METEOROLOGY		
64	RAIN GAUGE	<p>Concept: The standard meteorological non recording type rain gauge is installed here for collecting everyday rainfall data.</p> <p>Technical specification of the gadget: product size:1;dia height :3.5' raingauge jar with cover 1*1/4 ms flat 1*1/8 ms flat 2" gi pipe thickness 3mm</p>
65	HUMITIDY METER	<p>Concept: The percentage of humidity present in the atmospheric air can be noted here.</p> <p>Technical specification of the gadget: product size:20"*2' height :6' humidity meter 1no frame fabricated by 1"gi pipe</p>

		<p>iland sheet 2.5mm thick</p> <p>small fibre umbrella</p> <p>$\frac{3}{4}$ gi pipe</p>
66	SUN DIAL	<p>Concept: An ancient day model that is devised for noting down local time of any place through sun's position</p> <p>Technical specification of the gadget:</p> <p>PRODUCT SIZE:64'*5'</p> <p>HEIGHT :4'</p> <p>4*1/4 MS FLAT</p> <p>1"GI PIPE</p> <p>$\frac{1}{2}$ GI PIPE</p> <p>1 $\frac{1}{2}$ GI PIPE</p>
67	ANEMOMETER	<p>Concept: The instantaneous velocity & direction of the wind can be noted down with this gadget. The direct reading gives the data of wind velocity in kilometer/ hour</p> <p>Technical specification of the gadget:</p> <p>Product Area:</p> <p>Length: 4 feet</p> <p>Height: 10feet</p> <p>Breath: 4 Feet16 GAUGE GI SHEET 2.5' DIA</p> <p>$\frac{1}{2}$ GI PIPE THICKNESS 2MM</p> <p>MOVING 2 DIFFERENT WEIGHT 2 NO</p> <p>2" MS FLAT</p>
68	WIND SOCK (3 SOCKS PROVIDED)	<p>Concept: Instantaneous direction of wind flow can be noted down here. A seasonal record can be obtained about wind direction for a specific period.</p> <p>Technical specification of the gadget:</p> <p>PRODUCCT SIZE:6'*1'</p> <p>PRODUCT HEIGHT :14'</p> <p>1 $\frac{1}{2}$ GI PIPE THICKNESS 2.5MM</p> <p>WIND SOCK CLOTH</p> <p>62022 BALL BEARING 1 NO</p> <p>1 $\frac{1}{2}$ GI PIPE THICKNESS 2MM</p>
69	MAXIMA,MINIM ATHERMOMETER	<p>Concept: Important meteorological data like a day's maximum and minimum temperatures can be noted down here.</p> <p>Technical specification of the gadget: : PRODUCT SIZE:20"*2'</p> <p>HEIGHT :6'</p> <p>THERMO METER 1NO</p> <p>FRAME FABRICATED BY 1"GI PIPE</p> <p>ILAND SHEET 2.5MM THICK</p> <p>SMALL FIBRE UMBRELLA</p> <p>$\frac{3}{4}$ GI PIPE</p>
70	PLANK'S LAW	<p>Concept: Black body radiation is explained with simple arrangement.</p> <p>Technical specification of the gadget: PRODUCT SIZE:5' DIA</p> <p>HEIGHT :3'</p> <p>16 GAUGE GI SHEET 6 NO 13"*13"</p> <p>12MM SQUARE ROD</p>

		<p>1 ½ GI PIPE THICKNESS 3MM</p> <p>¼ GI PIPE</p> <p>6" DIA 6MM PLATE 1 NO</p> <p>HEAT</p>
71	SOLAR WATER HEATER	<p>Concept: The benefit of non conventional energy resources is explained with working model of solar water heater</p> <p>Technical specification of the gadget:: l x b x h : 5 x 5 x 5</p>
72	WORLD TIME(CYLINDER TYPE)	<p>Concept: The change in local time of every country, with reference to the latitude of that country is explained here</p> <p>Technical specification of the gadget:</p> <p>PRODUCT SIZE:30" DIA</p> <p>HEIGHT :8'</p> <p>CYLINDER FABRICATED BY FIBRE THICKNESS 3MM,2 LAYER BONDING</p> <p>TOP UMBRELLA FRP ,THICKNESS 2 MM</p> <p>51110 THRUST BEARING 1 NO</p> <p>60"X4' WORLD TIME CYLINDER STICKER 1 NO</p>
		GEOGRAPHY
73	PLANETARY MOTION	<p>Concept: The change in local time of every country, with reference to the latitude of that country is explained here</p> <p>Technical specification of the gadget:</p> <p>PRODUCT SIZE:30" DIA</p> <p>HEIGHT :8'</p> <p>CYLINDER FABRICATED BY FIBRE THICKNESS 3MM,2 LAYER BONDING</p> <p>TOP UMBRELLA FRP ,THICKNESS 2 MM</p> <p>51110 THRUST BEARING 1 NO</p> <p>60" X 4' WORLD TIME CYLINDER STICKER 1 NO</p>
		BIOLOGY
74	DNA MODEL	<p>Concept:</p> <p>The component of dna chain is explained here with labeling of anennine ,thayamine ,cytocin, guanine</p> <p>Technical specification of the gadget:</p> <p>product size:28"dia</p> <p>helght :7'</p> <p>1 ½ gi pipe thickness2.5 mm</p> <p>10mm rod</p> <p>2.5" dummy</p> <p>3" dummy</p> <p>a10 no,t 10 no,g 10no,c 10no,p 32,s 32 no alluminium sticker</p>
75	PERIODIC TABLE	<p>Concept: All elements are introduced with their symbol. Atomic weight, atomic number and crystalline structure of each element can be learnt.</p> <p>Technical specification of the gadget:</p> <p>Overall dimension – 5' long: 5' high. Main frame made up of 40 m.m Galvanized Iron Pipe 'B" class confirmed to bereau of indian standard.</p>
76	CRYSTAL STRUCTURE	<p>Concept:The array of crystal structure for sodium chloride is explained with three dimensional</p>

		Technical specification of the gadget: PRODUCT size:27" *27" height :3' 3" hollow ball64 no ½ gi pipe 2" gi pipe 4*1/4 ms flat
		MATHEMATICS
77	PARABOLIC REFLECTOR	Concept: The rolling ball hits the parabola and always directed to the focal point. The property of parabola is explained here. Technical specification of the gadget: product size:3'*4.5' height :3' 16 gauge gi sheet 1"*1" ms square tube 1" gi pipe thickness 2 mm bouncing ball 1 no
78	MOBIUS BAND	Concept: The hi-fi theory of one sided surface has got an introduction here in a simple manner. Technical specification of the gadget: DimensionIn: l x b x h : 3 x 5 x 6
79	MOBIUS BAND	Concept: The famous pythagoras theorem is explained with area of the sides of a triangle made up of removable cubes Technical specification of the gadget: Dimension In: l x b x h : 4 x 4 x 4
80	STRAIGHT BAR PASSING PARABOLA	Concept: The parabola and it's tangent give us an enjoyable gadget just by rotating the handle provided in this gadget. Technical specification of the gadget: product size:3'*42" height :6' 2"*2" ms square tube 1 no ucf 205 bearing 2 no 16 gauge gi sheet bevel gear 1set 1 ½ gi pipe thickness 2mm
		FLUID MECHANICS
81	HEIGHT VS HEAD	Concept: The relationship between the height and pressure of a liquid filled in a vessel or container is explained here. Technical specification of the gadget: Dimension In = l x b x h : 4 x 4 x 5
82	VORTEX	Concept: The rotating fluid subjected to centrifugal force creating funnel shaped formation like tornado. Technical specification of the gadget: product size:3'*2'
83	PASCAL LAW	Concept: The pressure given at one point of a liquid in a closed vessel is uniformly distributed to all points of the same fluid. This famous pascal's law is explained here. Technical specification of the gadget: Dimension In : l x b x h: 4 x 8 x 5
84	PLAY WITH	Concept: The children can enjoy and feel the power of magnet

	MAGNET	with this fun filled gadget. Technical specification of the gadget: Dimension In: l x b x h: 6 x 8 x
		APPLIED MECHANICS
85	CENTER OF GRAVITY DOLL	Concept: Center of gravity concept can be explained Technical specification of the gadget: Two layer of high quality FRP mat bonded with isonaptalene resin.
86	PIE VALUE	Concept: Mathematics Pie will be explained Technical specification of the gadget: FRP moulded table top model to explain the PIE value Acrolic balls are used to explain the concept. 1 inch dia pipe frame used for supporting frp table top

7.2. EVOLUTIONPARK AND DINOSAUR ENTRANCE

SI No	Item	Concept with Specification
1	SMILODON	Concept: Smilodon first appeared about 1.6 million years ago and lived during the Pleistocene Epoch (the early part of the Quaternary Period) in the last Ice Age. Specification: Fibre reinforced polymer model made up of good quality ISO naphthalene resin & FRP Roving mat or chopped stranded mat. Proper mixture of gel coat, catalyst, pigment, PVA are used for good quality bonding & for all weather proof surface. Steel reinforcement to be given wherever necessary. Dimension 7'-10" x 1' - 8" x 3' - 7"
2	ANKYLOSAURUS	Concept: Ankylosaurus was the last and the biggest of the armored dinosaurs (Ankylosaurids) to evolve. Ankylosaurus lived during the late Cretaceous period about 70-65 million years ago. Specification: Fibre reinforced polymer model made up of good quality ISO naphthalene resin & FRP Roving mat or chopped stranded mat. Proper mixture of gel coat, catalyst, pigment, PVA are used for good quality bonding & for all weather proof surface. Steel reinforcement to be given wherever necessary. Dimension 157" x 34" x 34"
3	GALLIMMIUS	Concept: It lived in the late Cretaceous Period, about 75-70 million years ago. Specification: Fibre reinforced polymer model made up of good quality ISO naphthalene resin & FRP Roving mat or chopped stranded mat. Proper mixture of gel coat, catalyst, pigment, PVA are used for good quality bonding & for all weather proof surface. Steel reinforcement to be given wherever necessary. Dimension 140" x 28" x 76"
4	DIATRYMA	Concept: Diatryma was a flightless bird, heavily-built, lived during the Tertiary to the early Eocene (38 million to 2 million years ago). Specification: Fibre reinforced polymer model made up of good quality ISO naphthalene resin & FRP Roving mat or chopped stranded mat. Proper mixture of gel coat, catalyst, pigment, PVA

		are used for good quality bonding & for all weather proof surface. Steel reinforcement to be given wherever necessary. Dimension 83" x 33" x 75"
5	PLANT 2 (CACTUS)	<p>Concept: A cactus is a member of the plant family Cactaceae, a family comprising about 127 genera with some 1750 known species of the order Caryophyllales.</p> <p>Specification: Fibre reinforced polymer model made up of good quality ISO naphthalene resin & FRP Roving mat or chopped stranded mat. Proper mixture of gel coat, catalyst, pigment, PVA are used for good quality bonding & for all weather proof surface. Steel reinforcement to be given wherever necessary. Dimension 55" X 54" X 45"</p>
6	CORYTHOSAURUS	<p>Concept: Corythosaurus lived during the Cretaceous Period, roughly 80 to 65 million years ago, toward the end of the Mesozoic, the Age of Reptiles.</p> <p>Specification: Fibre reinforced polymer model made up of good quality ISO naphthalene resin & FRP Roving mat or chopped stranded mat. Proper mixture of gel coat, catalyst, pigment, PVA are used for good quality bonding & for all weather proof surface. Steel reinforcement to be given wherever necessary. Dimension 180" x 48" x 80"</p>
7	BARYONYX (OVIRAPTOR)	<p>Concept: Oviraptor is a genus of small Mongolian theropod dinosaurs, first discovered by technician George Olsen in an expedition led by Roy Chapman Andrews, and first described by Henry Fairfield Osborn, in 1924.</p> <p>Specification: Fibre reinforced polymer model made up of good quality ISO naphthalene resin & FRP Roving mat or chopped stranded mat. Proper mixture of gel coat, catalyst, pigment, PVA are used for good quality bonding & for all weather proof surface. Steel reinforcement to be given wherever necessary. Dimension 79" x 53" x 25"</p>
8	BRACHIOSAURUS	<p>Concept: Brachiosaurus lived in the middle to late Jurassic Period, about 156-145 million years ago. The fossils were found in the Colorado River of Western Colorado, in USA.</p> <p>Specification: Fibre reinforced polymer model made up of good quality ISO naphthalene resin & FRP Roving mat or chopped stranded mat. Proper mixture of gel coat, catalyst, pigment, PVA are used for good quality bonding & for all weather proof surface. Steel reinforcement to be given wherever necessary. Dimension 388" x 43" x 72"</p>
9	STEGOSAURUS	<p>Concept: It lived during the late Jurassic period, about 156 million to 140 million years ago. It lived in a temperate and subtropical forest and in a climate that was warm and moist.</p> <p>Specification: Fibre reinforced polymer model made up of good quality ISO naphthalene resin & FRP Roving mat or chopped stranded mat. Proper mixture of gel coat, catalyst, pigment, PVA are used for good quality bonding & for all weather proof surface. Steel reinforcement to be given wherever necessary. Dimension 18" x 48" x 72"</p>

10	SCOLIDOSAURUS BIG	<p>Concept: Scolidosaurus lived in the early Jurassic Period, roughly 206 million to 200 million years ago.</p> <p>Specification: Fibre reinforced polymer model made up of good quality ISO naphthalene resin & FRP Roving mat or chopped stranded mat. Proper mixture of gel coat, catalyst, pigment, PVA are used for good quality bonding & for all weather proof surface. Steel reinforcement to be given wherever necessary. Dimension 170" X 37" X 35"</p>
11	DEINOTHERIUM	<p>Concept: Deinotherium also called the Hoe tusker was a gigantic prehistoric reactive of modern-day elephants that appeared in the Middle Miocene and continued until the Early Pleistocene.</p> <p>Specification: Fibre reinforced polymer model made up of good quality ISO naphthalene resin & FRP Roving mat or chopped stranded mat. Proper mixture of gel coat, catalyst, pigment, PVA are used for good quality bonding & for all weather proof surface. Steel reinforcement to be given wherever necessary. Dimension 156" X 37" X 100"</p>
12	ANATOSAURUS	<p>Concept: Anatosaurus lived in the late Cretaceous period, about 70-65 million years ago, toward the end of the Mesozoic Era.</p> <p>Specification: Fibre reinforced polymer model made up of good quality ISO naphthalene resin & FRP Roving mat or chopped stranded mat. Proper mixture of gel coat, catalyst, pigment, PVA are used for good quality bonding & for all weather proof surface. Steel reinforcement to be given wherever necessary. Dimension 170" X 48" X 90"</p>
13	ARCHAEOPTERYX	<p>Concept: Archaeopteryx (meaning "ancient wing") is a very early prehistoric bird, dating from about 150 million years ago during the Jurassic Period, when many dinosaurs lived.</p> <p>Specification: Fibre reinforced polymer model made up of good quality ISO naphthalene resin & FRP Roving mat or chopped stranded mat. Proper mixture of gel coat, catalyst, pigment, PVA are used for good quality bonding & for all weather proof surface. Steel reinforcement to be given wherever necessary. Dimension 28" X 26" X 12"</p>
14	GAINT DEER (MEGALOCEROS)	<p>Concept: Giant deer lived during the period Pleistocene (1.5million years to 2500 years ago). The earliest deer appeared during the late Oligocene Epoch, roughly 35 million years ago.</p> <p>Specification: Fibre reinforced polymer model made up of good quality ISO naphthalene resin & FRP Roving mat or chopped stranded mat. Proper mixture of gel coat, catalyst, pigment, PVA are used for good quality bonding & for all weather proof surface. Steel reinforcement to be given wherever necessary. Dimension 80" X 134" X 96"</p>
15	NEANDERTHAL MAN (MAN 1)	<p>Concept: Early Neanderthals lived in the Last Glacial age for a span of about 100,000 years. The fossils were found in Europe and parts of Western and Central Asia.</p> <p>Specification: Fibre reinforced polymer model made up of good quality ISO naphthalene resin & FRP Roving mat or chopped stranded mat. Proper mixture of gel coat, catalyst, pigment, PVA</p>

		are used for good quality bonding & for all weather proof surface. Steel reinforcement to be given wherever necessary. Dimension 76" X 54" X 40"
16	NEANDERTHAL BOY (MAN 2)	<p>Concept: Early Neanderthals lived in the Last Glacial age for a span of about 100,000 years. The fossils were found in Europe and parts of Western and Central Asia.</p> <p>Specification: Fibre reinforced polymer model made up of good quality ISO naphthalene resin & FRP Roving mat or chopped stranded mat. Proper mixture of gel coat, catalyst, pigment, PVA are used for good quality bonding & for all weather proof surface. Steel reinforcement to be given wherever necessary. Dimension 44" X 20" X 26"</p>
17	NEANDERTHAL WOMAN (MAN 3)	<p>Concept: Early Neanderthals lived in the Last Glacial age for a span of about 100,000 years. The fossils were found in Europe and parts of Western and Central Asia.</p> <p>Specification: Fibre reinforced polymer model made up of good quality ISO naphthalene resin & FRP Roving mat or chopped stranded mat. Proper mixture of gel coat, catalyst, pigment, PVA are used for good quality bonding & for all weather proof surface. Steel reinforcement to be given wherever necessary. Dimension 42" X 30" X 27"</p>
18	GLYPTODON	<p>Concept: Glyptodon lived in the last Ice Age, during the Pleistocene (between 2 million and 15,000 years ago). Fossils of this car-sized mammal have been found in Argentina, South America.</p> <p>Specification: Fibre reinforced polymer model made up of good quality ISO naphthalene resin & FRP Roving mat or chopped stranded mat. Proper mixture of gel coat, catalyst, pigment, PVA are used for good quality bonding & for all weather proof surface. Steel reinforcement to be given wherever necessary. Dimension 73" X 38" X 28"</p>
19	DIMETRODON	<p>Concept: Dimetrodon lived during the Permian period, roughly 280 million year ago, living mainly in swampy areas, long before the dinosaurs evolved. It was a mammal-like reptile, an ancestor of the mammals.</p> <p>Specification: Fibre reinforced polymer model made up of good quality ISO naphthalene resin & FRP Roving mat or chopped stranded mat. Proper mixture of gel coat, catalyst, pigment, PVA are used for good quality bonding & for all weather proof surface. Steel reinforcement to be given wherever necessary. Dimension 120" X 48" X 62"</p>
20	TRILOBITE 1	<p>Concept: Trilobites lived in the Cambrian and Permian periods, about 500 to 250 million.</p> <p>Specification: Fibre reinforced polymer model made up of good quality ISO naphthalene resin & FRP Roving mat or chopped stranded mat. Proper mixture of gel coat, catalyst, pigment, PVA are used for good quality bonding & for all weather proof surface. Steel reinforcement to be given wherever necessary. Dimension 64" X 26" X 8"</p>

21	TRICERATOPS SMALL	<p>Concept: Triceratops lived in the late Cretaceous Period about 72 to 65 million years ago, toward the end of the Mesozoic, the age of reptiles.</p> <p>Specification: Fibre reinforced polymer model made up of good quality ISO naphthalene resin & FRP Roving mat or chopped stranded mat. Proper mixture of gel coat, catalyst, pigment, PVA are used for good quality bonding & for all weather proof surface. Steel reinforcement to be given wherever necessary. Dimension 108" X 34" X 56"</p>
22	MOERITHERIUM	<p>Concept: It was related to the elephants and lived in the period of Eocene epoch (55 to 45 million years ago).</p> <p>Specification: Fibre reinforced polymer model made up of good quality ISO naphthalene resin & FRP Roving mat or chopped stranded mat. Proper mixture of gel coat, catalyst, pigment, PVA are used for good quality bonding & for all weather proof surface. Steel reinforcement to be given wherever necessary. Dimension 80" X 27" X 41"</p>
23	EUSTHENOPTERON	<p>Concept: Eusthenopteron was a lobe finned fish which lived during the Late Devonian period, about 385 million years ago.</p> <p>Specification: Fibre reinforced polymer model made up of good quality ISO naphthalene resin & FRP Roving mat or chopped stranded mat. Proper mixture of gel coat, catalyst, pigment, PVA are used for good quality bonding & for all weather proof surface. Steel reinforcement to be given wherever necessary. Dimension 37" X 2" X 4"</p>
24	CYNOGNATHUS	<p>Concept: Cynognathus lived between the lower Triassic to middle Triassic periods, about 240 million years ago.</p> <p>Specification: Fibre reinforced polymer model made up of good quality ISO naphthalene resin & FRP Roving mat or chopped stranded mat. Proper mixture of gel coat, catalyst, pigment, PVA are used for good quality bonding & for all weather proof surface. Steel reinforcement to be given wherever necessary. Dimension 75" X 21" X 32"</p>
25	PROCONSUL (Chimpanzee)	<p>Concept: Chimpanzees are one of the two species of the genus Pan, the other being the bonobo. Together with gorillas, they are the only exclusively African species of great ape that are currently extant.</p> <p>Specification: Fibre reinforced polymer model made up of good quality ISO naphthalene resin & FRP Roving mat or chopped stranded mat. Proper mixture of gel coat, catalyst, pigment, PVA are used for good quality bonding & for all weather proof surface. Steel reinforcement to be given wherever necessary. Dimension 54" X 22" X 20"</p>
26	PSITTACOSAURUS (EV-V)	<p>Concept: Psittacosaurus is a genus of extinct ceratopsian dinosaur from the Early Cretaceous of what is now Asia, existing between 123.2 and 100 million years ago.</p> <p>Specification: Fibre reinforced polymer model made up of good quality ISO naphthalene resin & FRP Roving mat or chopped stranded mat. Proper mixture of gel coat, catalyst, pigment, PVA</p>

		are used for good quality bonding & for all weather proof surface. Steel reinforcement to be given wherever necessary. Dimension 114" X 35" X 80"
27	SCIENTIST STATUE 4	Concept: Specification:
28	Dinosaur Entrance	All weather proof FRP Sculpture to be properly reinforced with necessary steel structure
29	TRILOBITE 2	Concept: Trilobites lived in the Cambrian and Permian periods, about 500 to 250 million. Specification: Fibre reinforced polymer model made up of good quality ISO naphthalene resin & FRP Roving mat or chopped stranded mat. Proper mixture of gel coat, catalyst, pigment, PVA are used for good quality bonding & for all weather proof surface. Steel reinforcement to be given wherever necessary. Dimension 64" X 26" X 8"
30	TRILOBITE 3	Concept: Trilobites lived in the Cambrian and Permian periods, about 500 to 250 million. Specification: Fibre reinforced polymer model made up of good quality ISO naphthalene resin & FRP Roving mat or chopped stranded mat. Proper mixture of gel coat, catalyst, pigment, PVA are used for good quality bonding & for all weather proof surface. Steel reinforcement to be given wherever necessary. Dimension 64" X 26" X 8"
31	MOTORIZED,MOVEMENT ENABLE DINOSAUR	Concept: Action enabled dinosaur model to have realistic feel of a live dinosaur. Technical specification: – electrically operated motor fitted within the dinosaur for the movement of head and tail of the dinosaur. Action of dinosaur is backed with audio clipping to feel the realistic movement of the dinosaur.

8. RFP Document Fee

Proposal Document fee (Non-refundable) in shape of Demand Draft from any scheduled commercial bank in favour of "Commissioner, Sambalpur Municipal Corporation", payable at Sambalpur for Rs.10,000/- (Rupees Ten thousand only) towards cost of RFP document is to be furnished by the bidder along with the Technical Proposal. Proposals Without the requisite Document Fee shall be treated as non-responsive and rejected out rightly.

9. Earnest Money Deposit (EMD) : As per office memorandum 8943/F / FIN-COD-MISC-0007-2019 dt 18.03.2021, 18281/WD dt.31.12.21 & 8475/F dt.05.04.22 no provision regarding Bid Security should be kept in the Bid Documents and only provision for " Bid Security Declaration" to be furnished by the Bidder.

10. Documents accompanying the Proposal:

1. PART A (Technical Proposal)

The bidder must submit the following particulars / documents along with the Technical Proposal failing which the Proposal may be treated as nonresponsive.

- a) Non-refundable Proposal Document Fee of INR 10,000/- (Indian Rupees Ten thousand only) in shape of DD from any scheduled commercial bank drawn in favour of "Commissioner, Sambalpur Municipal Corporation", payable at Sambalpur.
- b) Cover Letter as per the format in Appendix-A.
- c) Bidder's profile as per the format in Appendix-B.
- d) Past experience of the Bidder in Appendix-C.
- e) Information regarding current litigation, debarring expelling of quotationed or abandonment of work by the quotationer as per the format in Appendix-D.
- f) Certificate of no relationship certificate as per the format in Appendix-E.
- g) Bid Security Declaration as per the format in Appendix-F.
- h) Copy of the PAN card & GST registration certificate.
(Self attested Copies of all supporting documents)

2. PART B (Financial Proposal)

The Bidder must submit the Financial Proposal as per the format in Part-II with proper signature and seal of the Bidder.

11. Deadline for submission of Proposals

Proposals filled in all respect must reach SMC at the address, time and date specified in Section A – Bidding Schedule of the RFP document through Speed Post, Registered Post or Courier only. If the specified date for the submission of Proposals is declared as a holiday for SMC, Sambalpur, the Proposals will be received up to the appointed time on the next working day.

12. Late Proposals

Proposals received after the deadline for submission of Proposals prescribed by SMC will be rejected. SMC will be not be held responsible for any postal/ courier delay.

13. Amendment/modification in RFP

At any time prior to deadline for submission of proposal SMC may for any reason modify the RFP document by issuance of amendment/addendum. Such amendments shall be posted on the website www.smcsambalpur.nic.in & www.sambalpur.nic.in.

14. Modifications and Withdrawal of Proposals

No modifications to the Proposal shall be allowed once it is received by SMC, Sambalpur.

15. Proposal Opening

The technical proposal shall be opened on the due date & time and will be evaluated first.

SMC will open all Proposals in the presence of Bidders or their authorized representatives who choose to attend, at the date and time mentioned location:

Conference Hall, Sambalpur Municipal Corporation, Durgapali, Sambalpur-768006, Odisha

The Bidder's representatives who are present shall sign a register evidencing their attendance. In the event of the specified date of Proposal opening being declared a holiday for SMC, Proposals shall be opened at the appointed time and location on the next working day.

The Financial Proposals of only those firms fulfilling the eligibility criteria and the technical requirements of the Proposal shall be opened. The date and time of opening of the Financial Proposals will be intimated to the qualifying Bidders later.

16. PROCEDURE FOR SELECTION

All the applications received in response to the notice for tender will be scrutinized by The Evaluation Committee to be formed by Sambalpur Municipal Corporation in a two phase evaluation

Process: Phase-I:

All the proposals received will be scrutinized to assess their eligibility based on the Qualifying criteria. Those proposals which do not meet the qualifying criteria will be Rejected forthwith at any stage of detection.

Phase II:

The Financial Proposals of only those firms fulfilling the eligibility criteria and the technical requirements of the Proposal shall be opened. The date and time of opening of the Financial Proposals will be intimated to the qualifying Bidders later.

17. TERMINATION

Sambalpur Municipal Corporation reserves the right to terminate the Agreement proposed to be executed with the successful party with 30 days written notice to successful bidder in the event of:

- a. The successful bidder violates any clauses applicable to this RFP;
- b. Unsatisfactory performance by the successful bidder at any time during the contract Period.
- c. Misrepresentation with regard to any information at any time during the contract Period.
- d. The EMD/Security Deposits will be forfeited in case of condition mentioned Above and if the selected Agency show unwillingness to execute after Agreement Is signed.

18. DISPUTE RESOLUTION

In the event, any dispute arises between the successful bidder and Sambalpur Corporation in Connection with this tender, the interpretation of any provision of this tender or the rights,

Duties or liabilities of the successful bidder/ Sambalpur Municipal Corporation under this tender; same shall be referred to a sole Arbitrator to be jointly appointed by the Sambalpur Municipal Corporation and the Agency. In the event disputes are not resolved even after appointment of Arbitrator either of the Parties Shall be free to approach appropriate court of law. The Courts in Sambalpur alone have the Exclusive jurisdiction in respect of all disputes in relation to this tender.

TECHNICAL PROPOSAL – STANDARD FORMS

(To be submitted on letter head of the bidder duly signed by authorized signatory)

Date:

To,
The Commissioner,
Sambalpur Municipal Corporation,
Sambalpur-768006, Odisha.

Subject: Repair & Renovation of gadgets, Exhibits inside Science & Evolution park at Burla with Operation & Maintenance of Sambalpur Municipal Corporation, Sambalpur for 3 years.

Sir,

We have examined in detail and have understood the terms and conditions stipulated for eligibility of the Applicant in the RFP Document issued by SMC. We agree and undertake to abide by all these terms and conditions. We hereby submit all the necessary information and relevant documents during submission of our RFP, we undertake, if our Proposal is accepted, to deliver services as specified in the RFP document. We acknowledged that we have not, during the last three years, failed to perform on any agreement, as evidenced by imposition of a penalty by an arbitral or judicial authority or a judicial pronouncement or arbitration award against us, nor been expelled from any project or agreement nor have had any agreement terminated for breach of contract. We are enclosing Document Fee of INR 10,000/- in the form of Demand Draft (DD No.....Dt..... drawn on) payable to the Commissioner, Sambalpur Municipal Corporation at Sambalpur. We are submitted Bid Security Declaration to the Commissioner, Sambalpur Municipal Corporation at Sambalpur.

As per RFP the validity of the proposal is 180 days from the last date of submission of proposal and we agree that the proposal is unconditional. We understand that SMC reserves the right to reject any application without assigning any reason thereof.

Yours Faithfully,

Signature of Authorized Person and
seal Name and Designation
Name of the Company

BIDDER'S PROFILE

1. Name of the Organization:
2. Year of Establishment: (Registration Number & Certificate to be enclosed)
3. Registered address of Office:
4. PAN & GST No.:
5. Telephone No. & Fax No:
6. E. Mail Address:
7. Brief description of background of the Organization for this assignment.
8. No. of years of proven experience of providing similar services.
9. Average Annual turnover of the Applicant (in INR) during the last three Financial Years. (Please attach copy of three Audited Financial Statements and annual Income Tax return Document of last three financial year)

Financial Year	Annual Turnover (INR)
2021-22	
2020-21	
2019-20	

10. Details of individual(s) who shall serve as the point of contact/ communication for Sambalpur municipal corporation.
 - (a) Name:
 - (b) Designation:
 - (c) Company:
 - (d) Address:
 - (e) Telephone Number:
 - (f) Fax Number:
 - (g) E-Mail Address:

Signature of Authorized Person and seal

Name and designation Name of the
Company Dated:

WORK EXPERIENCE

1. Name of the firm:
2. List of the similar works executed.

Sl No	Name of the work/ location	Name of the employer	Total Value of work executed	Financial year	Other information if any	Remarks
1	2	3	4	5	6	7

NB: Certification of the employer not below the rank of Executive Engineer/ equivalent is to be furnished in support of the above claim.

Signature of the Bidder

APPENDIX-D

INFORMATION REGARDING CURRENT LITIGATION, DEBARRING EXPELLING OF QUOTATIONED OR ABANDONMENT OF WORK BY THE QUOTATIONER

- | | |
|---|---------|
| 1. Is the Quotationer currently involved in any litigation relating to the works
If yes: give details: | Yes/ No |
| 2. Has the Quotationer or any of its constituent partners been debarred!
Expelled by any agency in India during the last 5 years. | Yes/ No |
| 3. Has the Quotationer or any of its constituent partners failed to perform on any contract work in Sambalpur Municipal Corporation If yes, give details: | Yes/ No |

Note:

If any information in this Appendix is found to be incorrect or concealed qualification application will be summarily be rejected.

Signature of the applicant

APPENDIX-E

CERTIFICATE OF NO RELATIONSHIP CERTIFICATE

I/We hereby certify that I/we am/are related/not related to any officer of the Sambalpur Municipal Corporation in the rank of Asst. Engineer or above. I/we am/are aware that if facts to be proved false my/our contract will be rescinded with forfeiture of EMD I/We shall be liable to make good loss or damage resulting from such cancellation.

Full Name of the Applicant-

1. Address for correspondence

Phone No-

Alternative phone No-

2. Permanent Native address

Village-.....

Post...../ Dist.....

Pin code.....

Signature of the applicant

RFP Notice No. _____ date _____

To
The Commissioner,
Sambalpur Municipal Corporation

I/We, The undersigned, declare that:

I/We understand that according to term & condition as contained in Tender/bids must be supported by a Bid Securing Declaration.

I/We accept that I/We may be disqualified from bidding for any contract for a period of two years from the date of notification if I am /We are in a breach of any obligation under the bid conditions, because I/We

a) have withdrawn/modified/amended/impaired or derogated from the tender in any respect, my/our Bid during the period of bid validity or its extended period, if any
or

b) having been notified of the acceptance of our Bid by the purchaser during the period of bid validity specified in the bid document

(i) fail or reuse to execute the contract, if required, or (ii) fail or refuse to furnish the Performance Security/ Bank Guarantee, in accordance with the Instructions to Bidders.

or

c) If the bidder is found indulging in any corrupt, fraudulent or other malpractice in respect of the bid;

or

d) If there is a discrepancy between words and figures quoted by the bidder and the bidder does not accept that the amount in words prevails over amount in figure.

I/We understand this Bid Securing Declaration shall cease to be valid if I am/we are not the successful Bidder, upon the earlier of (i) the receipt of your notification of the name of the successful Bidder; or (ii) thirty days after the expiration of the validity of my/our Bid as specified in the bid documents.

Place:

Date:

Signature of the Tenderer

Name/Organization

Seal

(Note: In case of a consortium/Joint Venture, the Bid Securing Declaration must be in the name of all partners to the consortium/Joint Venture that submits the bid)

Part-II
FINANCIAL PROPOSAL

To
Municipal Commissioner
Sambalpur Municipal Commissioner

Subject: Financial Proposal for "Repair & Renovation of gadgets inside science & Evolution park at Burla with Operation & Maintenance of Sambalpur Municipal Corporation, Sambalpur for 3 years".

Sir

I, the undersigned, offer to provide the O&M services for [*Insert title of assignment*] in accordance with your **Financial Proposal for Repair & Renovation of gadgets / Exhibits inside science & Evolution park at Burla with Operation & Maintenance of Sambalpur Municipal Corporation, Sambalpur for 3 years.**

Request for Proposal No. _____, Dated: _____. Our attached Financial Proposal is for the sum of [*Insert amount(s) in words and figures**]. This amount is inclusive of the taxes applicable as per GST Act.

I do hereby undertake that, in the event of acceptance of our bid, the services shall be provided in respect to the terms and conditions as stipulated in the RFP document.

Our financial proposal shall be binding upon us subject to the modifications resulting from contract negotiations, up to expiration of the validity period of the proposal of **180 days**. I have carefully read and understood the terms and conditions of the RFP and do hereby undertake to provide the service accordingly.

I understand that you are not bound to accept any proposal you receive.

I remain,

Yours faithfully,

Authorized Signatory [*In full and initials*]:
Name and Designation of Signatory with Date and Seal:
Address of the Bidder:

Financial Proposal for "Repair & Renovation of gadgets / Exhibits inside science & evolution park at Burla of Sambalpur Municipal Corporation for 3 years."

1. Science Park gadgets.

Sl No	Item Description	Qty	Units	Amount in Rs. (including all taxes, transportation & levies)	
				In Figures	In Words
1	Repair & Renovation of FIRST ORDER LEVER inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
2	Repair & Renovation of ' SECOND ORDER LEVER ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
3	Repair & Renovation of ' THIRD ORDER LEVER ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
4	Repair & Renovation of ' LOOP THE LOOP ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
5	Repair & Renovation of ' NEWTON THIRD LAW ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
6	Repair & Renovation of ' CYCLODICAL PATH ' inside	01	each		

	Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.				
7	Repair & Renovation of ' DOUBLE ENDED CONE ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
8	Repair & Renovation of ' FLOATING BIRD ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
9	Repair & Renovation of ' ANGULAR MOMENTUM ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
10	Repair & Renovation of ' MASS & INERTIA ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
11	Repair & Renovation of ' CENTRIFUGAL FORCE ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
12	Repair & Renovation of ' Friction & Speed ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
13	Repair & Renovation of ' ROLLING DISC ' inside Science park with necessary repair & make it functional, fixing	01	each		

	in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.			
14	Repair & Renovation of ' PULLEY & PULLEY BLOCK ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each	
15	Repair & Renovation of ' PROJECTILE ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each	
16	Repair & Renovation of ' HOW FRICTION HELPS ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each	
17	Repair & Renovation of ' SINE WAVE ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each	
18	Repair & Renovation of ' GRAVITY BALL ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each	
19	Repair & Renovation of ' BOW DITCH CURVE SWING ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each	
20	Repair & Renovation of ' GYROSCOPE ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English	01	each	

	(each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.				
21	Repair & Renovation of CONSERVATION OF ENERGY inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
22	Repair & Renovation of ARCH BRIDGE inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
23	Repair & Renovation of CIRCUS OF ENERGY inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
	SOUND				
24	Repair & Renovation of 'BELL TOWER' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
25	Repair & Renovation of 'PARABOLIC DISHES' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
26	Repair & Renovation of 'MUSICAL TUBES' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
27	Repair & Renovation of 'ECHO TUBE' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English	01	each		

	(each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.				
28	Repair & Renovation of ' STATUE SPEAKS ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
29	Repair & Renovation of ' TARANG ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
30	Repair & Renovation of ' NIPKOV'S DISC ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
LIGHT					
31	Repair & Renovation of ' ILLUSION ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
32	Repair & Renovation of ' MAGNIFICATION PLATE ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
33	Repair & Renovation of ' PRIMARY & SECONDARY COLORS ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
34	Repair & Renovation of ' REVOLVING PERISCOPE ' inside Science park with necessary repair & make it	01	each		

	functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.				
35	Repair & Renovation of ' SIMPLE CAMERA ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
36	Repair & Renovation of ' PLAY WITH MIRRORS ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
37	Repair & Renovation of ' PIN HOLE CAMERA ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
38	Repair & Renovation of ' SOUND WAVE DRUM ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
39	Repair & Renovation of ' RIPPLE TANK ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
SIMPLE HARMONIC MOTION					
40	Repair & Renovation of ' COMPOUND PENDULAM ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
41	Repair & Renovation of ' SYMPATHETIC SWING ' inside Science park with necessary repair & make it	01	each		

	functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.			
42	Repair & Renovation of ' LISSAJOU'S FIGURES ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each	
43	Repair & Renovation of ' SWING IS A PENDULUM ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each	
44	Repair & Renovation of ' WAVE MOTION ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each	
45	Repair & Renovation of ' VARIABLE PENDULUM ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each	
46	Repair & Renovation of ' BARTON'S PENDULUM ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each	
	PHYSIOLOGY			
47	R Repair & Renovation of ' PERSISTENCE OF VISION ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each	
48	Repair & Renovation of ' NEWTON'S COLOUR DISC ' inside Science park with necessary repair & make	01	each	

	it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.				
49	Repair & Renovation of '3-D PENDULUM' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
50	Repair & Renovation of 'PERCEPTION OF DEPTH' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
51	Repair & Renovation of '1+1<1' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete..	01	each		
APPLIED SCIENCE					
52	Repair & Renovation of 'ARCHIMEDES SCREW' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
53	Repair & Renovation of 'GEAR,BELT& CHAIN DRIVE'inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
54	Repair & Renovation of 'GEAR TRAIN' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		

55	Repair & Renovation of ' INCLINED PLANE ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each	
56	Repair & Renovation of ' KNOW YOUR WEIGHT ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each	
57	Repair & Renovation of ' WORM WHEEL ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each	
58	Repair & Renovation of ' HYDRO ELECTRIC POWER PLANT ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each	
59	Repair & Renovation of ' AUTOMOBILE-WORKING MODEL ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each	
60	Repair & Renovation of ' SOLAR POWERED RADIO ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each	
61	Repair & Renovation of ' LIFT YOURSELF ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical	01	each	

	Specifications etc. complete				
62	Repair & Renovation of ' FIRST ORDER LEVER-SEE SAW ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
63	R Repair & Renovation of ' TYPES OF GEARS ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
	METEOROLOGY				
64	Repair & Renovation of ' RAIN GAUGE ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
65	Repair & Renovation of ' HUMITIDY METER ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
66	Repair & Renovation of ' SUN DIAL ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
67	Repair & Renovation of ' ANEMOMETER ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
68	Repair & Renovation of ' WIND SOCK (3 SOCKS PROVIDED) ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with	01	each		

	proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.			
69	Repair & Renovation of ' MAXIMA, MINIMA THERMOMETER ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each	
70	Repair & Renovation of ' PLANK'S LAW ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each	
	HEAT			
71	Repair & Renovation of ' SOLAR WATER HEATER ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each	
72	Repair & Renovation of ' WORLD TIME(CYLINDERTYPE) ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each	
	GEOGRAPHY			
73	Repair & Renovation of ' PLANETARY MOTION ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each	
	BIOLOGY			
74	Repair & Renovation of ' DNA MODEL ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical	01	each	

	Specifications etc. complete.				
75	Repair & Renovation of "PERIODIC TABLE" inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
76	Repair & Renovation of 'CRYSTAL STRUCTURE' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
	MATHEMATICS				
77	Repair & Renovation of "PARABOLIC REFLECTOR" inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
78	Repair & Renovation of 'MOBIUS BAND' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
79	Repair & Renovation of 'PYTHAGORAS THEOREM' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
80	Repair & Renovation of 'STRAIGHT BAR PASSING PARABOLA' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
	FLUID MECHANICS				
81	Repair & Renovation of 'HEIGHT VS HEAD' inside Science park with necessary repair & make it functional, fixing in position with explanation board in	01	each		

	Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.				
82	Repair & Renovation of ' VORTEX ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
83	Repair & Renovation of ' PASCAL LAW ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
84	Repair & Renovation of ' PLAY WITH MAGNET ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
	APPLIED MECHANICS				
85	Repair & Renovation of ' CENTER OF GRAVITY DOLL ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
86	Repair & Renovation of ' PIE VALUE ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		

2 EVOLUTIONPARK AND DINOSAUR ENTRANCE

Sl No	Item Description	Qty	Units	Amount in Rs. (including all taxes)	
				In Figures	In Words
1	Repair & Renovation of 'SMILODON' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
2	Repair & Renovation of 'ANKYLOSAURUS' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
3	Repair & Renovation of 'GALLIMMIUS' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
4	Repair & Renovation of 'DIATRYMA' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
5	Repair & Renovation of 'PLANT 2 (CACTUS)' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
6	Repair & Renovation of 'CORYTHOSAURUS' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
7	Repair & Renovation of 'BARYONYX (OVIRAPTOR)' inside Science park with necessary repair & make it functional, fixing in position with explanation board in	01	each		

	Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.				
8	Repair & Renovation of ' BRACHIOSAURUS ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
9	Repair & Renovation of ' STEGOSAURUS ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
10	Repair & Renovation of ' SCOLIDOSAURUSBIG ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
11	Repair & Renovation of ' DEINOTHERIUM ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
12	Repair & Renovation of ' ANATOSAURUS ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
13	Repair & Renovation of ' ARCHAEOPTERYX ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
14	Repair & Renovation of ' GAINT DEER (MEGALOCEROS) ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4	01	each		

	size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.				
15	Repair & Renovation of ' NEANDERTHAL MAN (MAN 1) ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
16	Repair & Renovation of ' NEANDERTHAL BOY (MAN 2) ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
17	Repair & Renovation of ' NEANDERTHAL WOMAN (MAN 3) ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
18	Repair & Renovation of ' GLYPTODON ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
19	Repair & Renovation of ' DIMETRODON ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
20	Repair & Renovation of ' TRILOBITE 1 ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
21	Repair & Renovation of ' TRICERATOPS SMALL ' Inside Science park with necessary repair & make it functional, fixing in position with explanation board in	01	each		

	Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.				
22	Repair & Renovation of ' MOERITHERIUM ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
23	Repair & Renovation of ' EUSTHENOPTERON ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
24	Repair & Renovation of ' CYNOGNATHUS ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
25	Repair & Renovation of ' PROCONSUL (Chimpanzee)' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
26	Repair & Renovation of ' PSITTACOSAURUS (EV-V) ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
27	Repair & Renovation of ' SCIENTIST STATUE 4 ' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
28	Repair & Renovation of Dinosaur Entrance with Artistic outlook & all weather proof FRP Sculpture to be painting with quality PU coating after repair with proper surface preparation, Placing in proper position	01	each		

29	Repair & Renovation of 'TRILOBITE 2' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
30	Repair & Renovation of 'TRILOBITE 3' inside Science park with necessary repair & make it functional, fixing in position with explanation board in Oriya & English (each plate of A4 size), painting with quality PU coating after repair with proper surface preparation, Placing in proper position as per Concepts with Technical Specifications etc. complete.	01	each		
31	MOTORIZED,MOVEMENT ENABLE DINOSAUR	01	each		

Authorized Signatory [In full and initials]:

Name and Designation of Signatory with Date and Seal:

Address of the Bidder:

Financial Proposal for "Operation & Annual Maintenance of gadgets / Exhibits inside science & evolution park at Burla of Sambalpur Municipal Corporation for 3 years"

Sl. No	Scope of Work	Cost of Acquisition of gadgets excluding Tax at the time of installation 115.00lakhs	Amount in Rs. (including all taxes)	
			In Figures	In Words
1	1st YEAR "Maintenance and upkeep of the all gadgets, exhibits inside the Science & Evolution Park under SMC including watch & ward & deployment of personal to act as demonstrator for guidance to visitors, making all scheduled & break down maintenance as & when required during contract period & any other scope of work not specified including all taxes, GST, service charges, labour cess as applicable in all respect as per direction of SMC Authority with satisfaction within the premises."			
2	2nd YEAR "Maintenance and upkeep of the all gadgets, exhibits inside the Science & Evolution Park under SMC including watch & ward & deployment of personal to act as demonstrator for guidance to visitors, making all necessary repair & renovation scheduled & break down maintenance as & when required during contract period & any other scope of work not specified including all taxes, GST, service charges, labour cess as applicable in all respect as per direction of SMC Authority with satisfaction within the premises."			
3	3rd YEAR "Maintenance and upkeep of the all gadgets, exhibits inside the Science & Evolution Park under SMC including watch & ward & deployment of personal to act as demonstrator for guidance to visitors, making all necessary repair & renovation scheduled & break down maintenance as & when required during contract period & any other scope of work not specified including all taxes, GST, service charges, labour cess as applicable in all respect as per direction of SMC Authority with satisfaction within the premises."			

Authorized Signatory [In full and initials]:
Name and Designation of Signatory with Date and Seal:

Address of the Bidder: