



**Office of the Deputy Director School Education (Quality)-Cum-DPO(SS)
DIET, Bilaspur at Jukhala, Distt. Bilaspur H.P.-174033**

No. – EDN-BLS-JKL-DIET-(SS)-C-Sci.Centre 28572-74

Dated:- 25/09/2025

To

Subject: Quotation for supply of Indoor & Outdoor Science Models.

Sir,

Subject: Quotation for Supply of Indoor & Outdoor Science Models

Sir/Madam,

The undersigned intends to procure Indoor & Outdoor Science Models for the Science Lab and Science Park in the APJ Abdul Kalam Science Centre, DIET Bilaspur at Jukhala, Distt. Bilaspur, H.P., to enhance the learning levels of students and visitors.

The detailed specifications along with the required quantity of Indoor & Outdoor Science Models are appended below. Therefore, sealed quotations marked "*Indoor & Outdoor Science Models*" are invited from your firm, as per the terms & conditions mentioned in Annexure-I. Quotations must be submitted on or before **05th October 2025 by 11:00 AM** in the name of **DDSE(Q)-cum-DPO**. The quotations will be opened at 11:00 AM on dated 06th-Oct.-25 in the presence of bidders or their authorized representatives and the committee members.

Rates may be quoted in Annexure-II, as per the terms & conditions mentioned in Annexure-I.

(Signature)
24/9/25
Dy. Director School Education (Quality)-Cum-DPO(SS)
DIET, Bilaspur at Jukhala, Distt. Bilaspur, H.P.

Copy forwarded to:

1. The State Project Director (SS), Shimla-I, for kind information please.
2. The official website of DIET Bilaspur, for wide publicity.
3. Notice Board of District Project Office, DIET Bilaspur, H.P.
4. Office record.

(Signature)
24/9/25
Dy. Director School Education (Quality)-Cum-DPO(SS)
DIET, Bilaspur at Jukhala, Distt. Bilaspur, H.P.

Annexure-I

Terms & Conditions (T&C)

1. Online bids/quotations will not be accepted.
2. The supplier must be registered firms under the said category & posses PAN/TAN.
3. Rates should be quoted only for the specified items.
4. The supply will be F.O.R. destination with proper installation at designated place.
5. No quotation will be accepted after the specified date & time.
6. The undersigned reserves all rights to extend, postpone, or cancel the tender notice without assigning any reason.
7. No advance payment will be made. GST TDS and IT TDS shall be deducted as per rules.
8. The supply of Indoor Science Models must be completed within the stipulated time period, or before _____.
9. All payments will be made only after a satisfactory quality report is issued by the technical committee members.

(Signature)
25/9/25
Dy. Director School Education (Quality)-Cum-DPO(SS)
DIET, Bilaspur at Jukhala, Distt. Bilaspur, H.P.

Note:

I hereby certify that I have carefully read all the Terms & Conditions, and the rates quoted by me are fare enough to justify the reasonability of prices.

Name of Bidder/Representative: _____

Signature: _____

Annexure-II

List of the indoor Science models to be purchased
Format for Quotation

Sr. No.	Models Name	Model Description	Quantity	Rate per unit inclusive all Taxes	Remarks
1	Shifting of centre of mass DIY kit	Must have minimum 3 activities related to shifting of mass, balancing and teacher notes etc.			
2	Plasma Ball	USB Plasma ball lamp: Should be operate able on 12V with USB input cable. Ball diameter 6". Circuit in the base should be visible to demonstrate the working of plasma ball.	01		
3	Electrochemical Cell	To explain how the chemical energy is transformed into electrical energy. Sizes: Outer copper vessel 125 x 75 mm with perforated shelf and terminal, a porous pot 150 x 50 mm and a zinc rod 125 x 12 mm, with support and terminal.	01		
4	AC/DC Dynamo	Generates both AC and DC. When the two brushes of the generator are put in the two ends (on the complete loop) of the commutator, the output is an AC. When the brushes are put in the middle (on the half loop) of the commutator, the output is a DC with one spare belt Includes Instructions. Sizes 8"x6"x8" approx	01		
5	DNA Model	Construct a three-dimensional DNA model easily, highlighting the sequence and function of DNA with sturdy, color full bases that snap together	01		

		correctly and attach to a central rod to represent hydrogen bonds. Flexible strands symbolize the pentose and phosphate backbone, completing the double helix structure. The completed model, which stands on a sturdy base, can rotate, providing a hands-on learning experience.			
6	Hygrometer	Traditional model with wet and dry thermometer Two thermometers mounted on scales -10 to 60°C & 20 to 140°F, with water container for one thermometer. Complete with relative humidity table.	01		
7	Geometric Isomerism	Geometric Isomerism: Set of balls & sticks 180 balls, Packed in a plastic box with instructions.	01		
8	Human Heart Model	The model is sectioned to expose ventricles, atria and valves. Model also depicts blood vessels of heart and heart musculature in detail. Model is dissectable into 7 parts, 3 times enlarged, mounted on plastic base with key card.	01		
9	Torso	Life size torso with 28 removable parts. 4 parts brain, eye & head are removable 2 part heart, 2 half of lungs, liver, kidney, stomach in 2 parts , renal artery, intestines and appendix flap are removable, female organ in 2 parts with removable fetus breast are removable also in torso model. 4 part male	01		

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		organ. The back shows the vertebral columns with removable cervical vertebrae. 1 Thoracic vertebrae and 1 lumbar vertebrae. Mounted on wooden base with key card.			
10	Transformer Model Kit	<ul style="list-style-type: none"> • A magnetic circuit made of highly permeable U shape metal sheet, which can be closed using two clamps with tightening screws. • Section: 40 x 40 mm with 150 mm length and 170 mm height. • One coil of 6000 turns with maximum current of 0.2 ampere. Intermediary coil of 2000 turns output. • One coil of 600 turns with maximum current of 2.5 ampere, which is mainly used to create the primary of transformer. • One coil of 1200 turns, with maximum current of 1.25 ampere, fitted with intermediary 400 and 800 turns' outputs. • One coil of 72 turns, with maximum current of 12 ampere, fitted with intermediary 6, 30, 54 and 66 turns' outputs. • Power supply cable. 	01		

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11	Human Ear, 5 Parts, 4x life size	Human ear enlarged 4 times to allow study of internal and external structures. The pentors portions of the temporal bone section of the auditory canal should be removable, and labyrinth can be taken out and opened. The tympanic membrane with malleus and icus should also be removed.	01		
12	Vande Graff Generator	At its upper end, the generator is provided with a hollow metal sphere resting on pillar pipe. A rubber belt runs over plastic rollers. The lower roller is adapted for hand crank drive.	<u>01</u>		Indoor Science Models-I (Hand Operated required)
13	PIPES OF PAN	To demonstrates how tubes of varying length act to select and amplify sound waves of different frequencies. Eight metal tubes of different length filter out specific tones from the ambient noise of the park. Each pipe is resonant at a certain frequency, which is determined by its length. A visitor listening to each pipe in turn, from longest to shortest, will hear a strange progression from low-pitched tones to higher ones. Sizes : 3'x3'x8' Whole construction should be made of heavy gauge MS pipes.	01		Outdoor Science, Model-I
14	Centrifugal Force	To demonstrate centrifugal force is apparent force that pushes a rotating object away from the centre of its circular path. It is not a real force but a pseudo force observed in a rotating frame of reference. The actual force acting on the object is centripetal force which pulls it towards the centre The material used for the construction: Main body: Mild Steel (painted Finish) Frame Structure: Rectangular Hollow Mild Steel Pipes Powder Coated. Spherical Cage: Stainless Steel strips	01		Outdoor Science Model-II

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0900 Cum DPO
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 0900 Cum DPO

		Rotating Handle: Stainless Steel with rubber grip Display Board: UV printed acrylic Sheet Sizes : 2'x3'x5' Whole construction should be made of heavy gauge MS pipes.			
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Campus
24/9/25

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