



KERALAM MUSEUM OF HISTORY & HERITAGE (IMCK)

Park View, Thiruvananthapuram-33

(Nodal agency of museums under all the Departments and
institutes functioning under the control of Govt. of Kerala)

Website: www.museumkeralam.org, Email: info@museumkeralam.org

Phone: 0471-2320231, +91-9188847937

No.KIM/272/2022

Date:06.07.2024

REQUEST FOR PROPOSAL

Selection of Museum Consultancy Firm for Setting up of an Introductory Gallery to the existing RRV Art Gallery, at the Museum & Zoo compound, Thiruvananthapuram

Request For Proposal is invited by Interactive Museum of Cultural History of Kerala (Keralam Museum of History and Heritage) from the Empanelled/Non Empanelled, reputed, experienced, and competent Consultancy Firms for Setting up of a Museum of an Introductory Gallery to the existing RRV Gallery, Thiruvananthapuram. The Non-Empanelled and empanelled firms should furnish company details and other required data within the prescribed format and should get pre-qualification before fixing the bid. The details relating to the nature and scope of the project, eligibility criteria, terms and conditions and other information relating to the Request For Proposal are as detailed below.

Sd/-

Executive Director

Interactive Museum of Cultural History of Kerala
(Keralam Museum of History and Heritage)

Setting up of an Introductory gallery to the existing Raja Ravi Varma Art Gallery

Introduction

The world renowned Indian artist Raja Ravi Varma's paintings are displayed in the RRV Art gallery in the Museum & Zoo compound, Thiruvananthapuram. This gallery with its valuable exhibits along with the scientific display adds to the attraction of the Temple city, Thiruvananthapuram. The concept of the RRV gallery was emerged as a part of the developmental steps of the pre-existing Sree Chithra Art Gallery, where these paintings were displayed earlier. The Sree Chithra Art Gallery and RRV gallery has to be connected through the proposed intro gallery.

Vision:

Visitors reaching RRV gallery only enjoys the beauty and splendour of the contributions of Raja Ravi Varma, his family members and Svetlova and Nicholas Roerich etc. Before entering into the main gallery here the visitor is invited to the intro gallery which acts as a welcome space where the visitor can go through the detailed profile of the artist and their achievements. The proposed interpretation centre will interact with the visitors through narratives, illustrations, portraits and some digital interactive gadgets. The design intent will be to create among visitors a strong impact upon entry which raises the bench mark of the forth coming visit in the main gallery.

Proposed constituents of the gallery

- a) Introduction of Sree Chithra Art Gallery
- b) Gallery Info & Map
- c) About gallery collection
- d) About Ravi Varma collection
- e) About painters from Kilimanoor
- f) About Roerich like important artists. (Info touch Screen)
- g) Ravi Varma an Indian Artist and Ravi Varma Images (Info touch Screen)
- h) History of Sree Chitra Art gallery

Eligibility Criteria For Application

Those who are including Empanelled/Non Empanelled firms should attend the **Pre-bid meeting**.

Pre-bid meeting date 11.07.2024 , Time – 11.00 am Medium of meeting –

Offline/Online (Zoom/Google meet)

Non Empanelled/Empanelled firms who are willing to participate in the Request Of Proposal shall submit their Firm details(General qualification)as described below on /before **27.07.2024**. They will be informed the eligibility before the Pre-bid meeting. Consultants/Firms attending the Pre-bid meeting will get more details about nature and scope of the project, eligibility criteria, terms and conditions and other information relating to the Request For Proposal. Those who wants to participate in the bid shall pay Rs.5000/- by way of DD drawn in the name of Executive Director, Interactive Museum of Cultural history of Kerala towards cost of documents along with Bid documents in separate cover.

General Qualifications for not empanelled with Keralam Museum

1. The details of minimum 3 years experience in the Museum related works.
2. The details of minimum turnover of 2 crore in last 2 years.
3. The details of completed work with Project cost in last 3years–Minimum value of project 5 crores.
4. The firm should have a consortium containing the following Technical persons.
 - a. Curator
 - b. Museum designer
 - c. Historian with sufficient experience in said subject
 - d. Implementation team with minimum 5 years experience
 - e. Graphic Designer
 - f. MEP consultant
 - g. Lighting Experts
 - h. Conservator and Other Experts

Kindly submit the testimonials proving qualifications of the above persons.

1. Technical bid-Evaluation

1. History of the Firm—Turn over, when established, full time staff etc

Total-20 Marks

Up to 3year- 10 marks

Up to 5year- 15 marks

Above 5year-20 marks

2. Technical competence —Details of projects done ,similar projects executed

Total-20 Marks

Works executed up to 2crore/2year- 10 marks

Works executed up to 3crore/2year- 15 marks

Works executed above 3crore/2year-20marks

3. Specific experience -Experience in setting up museums or galleries, experience in Kerala

Total-30Marks

1 Work -10 marks

3 Works -20marks

More than 3Works-30 marks

4. Understanding of this project brief – a note on their understanding and approach

Total–30Marks

The marks shall be given one valuation of understanding the project brief.

The Marks secured out of 100 will be converted to out of 40 marks. The Technical bid of ALL the firms should be evaluated against total marks of 100.Empanelled firms should

also submit the full technical bids. The firm/company who secure at least 50 % of score in the evaluation will be treated as qualified for Technical presentation.

2. Technical Presentation

Eligible candidates can participate in the presentation after qualifying Technical bid evaluation.

Medium of Presentation–Offline/Online (Zoom/Google meet)

The technical presentation should be entirely based on the design already prepared.

20 marks-Understanding the brief

20marks-Respecting the historicity of the building and demonstrative adaptive reuse

20marks–Understanding the Design flow/strength

20marks-Economics of design

20marks-Confidence in executing

Total marks=100 marks

Awarded marks out of 100 will be converted to out of 30marks. The firm/company who secure at least 50 % marks (15/30) will be treated as qualification for submitting financial bid.

Those who secure 50% marks in technical bid evaluation and technical presentation shall be eligible for the financial bid. The financial bid of those are not eligible shall not opened for competition.

3. Financial Bid

The Financial bid should be based on the design and estimate already prepared

Estimate Amount =Rs. 10297752.91 + GST

a) The bidder who secure at least 50% of score in the presentation will be treated as technically qualified.

- b) The Financial Bids of the technically qualified bidders will be opened on the prescribed date in the presence of the bidder or their representatives who are authorized by bidder.
- c). The lowest financial bidder(L1)will be awarded100% score.
- d) Financial Scores for other thanL1bidders will be evaluated using the following formula:

$$\text{Financial Score of a Bidder} = \left\{ \frac{\text{Financial Bid of L1}}{\text{Financial Bid of the Bidder}} \times 100 \right\} \% \text{ (Adjusted to two decimal places)}$$
- e) Only fixed price financial bids indicating total price for all the services specified in this bid document will be considered.
- f) The bid price will include all taxes and levies and shall be in Indian Rupees.
- g) Errors & Rectification: Arithmetical errors will be rectified on the following basis: “If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected. If there is a discrepancy between words and figures, the amount in words will prevail”.

Combined Evaluation of Technical bid, presentation & Financial Bids

- a) The technical bid, presentation and financial scores secured by each bidder will be added using weightage of 40 for technical evaluation, 30 for presentation and 30 for financials respectively to compute a Composite Bid Score.
- b) The bidder securing the highest Composite Bid Score will be declared as the Best Value Bidder for award of the Project.
- c) In the event of the bid, if the composite bid scores are ‘tied’, the bidder securing the highest technical score will be declared as the Best Value Bidder for award of the Project.

- d). The successful bidder has to provide a letter of acceptance to Interactive Museum of Cultural History of Kerala (Keralam Museum of History and Heritage, Trivandrum) within seven days of receiving communication about his/her selection from the Department.
- e). The successful bidder shall sign an agreement with payment schedule at the time of award of the work.
- f). Keralam Museum of History and Heritage reserves all the rights to accept or reject any/all Request For Proposal applications, without assigning any reason. The Department takes no responsibility for the delay, loss or non-receipt of any submission or letter sent by post, within the prescribed time period.

Conditions and Notes

- *Completion of work is 80 days.
- *Cost of RFP document mentioned above should be in the form of separate Demand Draft in favour of Executive Director Interactive Museum of Cultural History of Kerala, Trivandrum
- *Excess over estimate/ below estimate rate shall be allowed by the committees constituted for Museum setting works if necessary.
- *DPR details will be available in the Keralam Museum at the Office time. You can contact directly for getting details of the project.
- *The drawings and estimates are separately attached along with documents
- *The presentation should be entirely based on the design already prepared.
- *The Financial bid should be based on the design, drawing and estimate already prepared
- *If the mentioned brand and model equipments is not available in the market, other brands with the equivalent specification can be used at their present market rate

*Lumsum (LS) works enclosed in the estimate can be finalized as per work executed on consulting with Keralam Museum

Application / Request For Proposal in sealed cover with complete details in all respects and superscribed as Selection of Museum Consultancy Firm for Setting up of an Introductory gallery to the RRV Art gallery shall be submitted at the following address. A soft copy of Presentation shall be sent along with this application. Interested consultants/ consortia of consultants can download the Request For Proposal documents from the website www.museumkeralam.org. The last date for receipt of RFP documents (hardcopy) is **27.07.2024 , 3.00 p.m.** on and date of presentation is fixed on **31.07.2024 at 11.00 a.m.**

Sd/-

**The Executive Director
Interactive Museum of Cultural History of Kerala
(Keralam Museum of History and Heritage),
Park View Vikas Bhavan P.O,
Trivandrum-695033.**

INTRODUCTORY GALLERY-RRV

Detailed Estimate

(Dsr year: **2018**, Cost Index Applied for this estimate is **35.59%**)

SI No	Description	No	L	B	D	CF	Quantity	Remark
1 CIVIL WORKS AND FINISHING WORKS								
1	15.23.1 Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead. For thickness of tiles 10 mm to 25 mm							
	ROOM 1 AND 3	1	6.900	4.800			33.120	
	ROOM 2	1	11.000	4.700			51.700	
	ROOM	1	2.470	7.500			18.526	
	Total Quantity						103.346 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						103.346 sqm	
	Say 103.346 sqm @ Rs 64.61 / sqm						Rs 6677.19	
2	24.3 Cleaning the sand stone surface and removing dirt, dust, bird dropping, grease, oil, algae, fungus, monkey beats, vegetable growth etc., including providing, applying and washing the surface with liquid Ammonia Chemical of 5% solution and other chemical cleaning agent as approved by Archaeological Survey of India / Engineer - in-charge, of approved brand and manufacturer, with the help of required scrubbers and also cleaning with machine operated water jet mixed with desired quantity of fine silica where ever required, without causing any scratching/ damage to the stone surface and finally washing the surface with clean water with the help of pressure jet machine, complete in all respect, including taking all precautions to safeguard ventilators, windows, doors etc. by suitable covering so as to avoid any damage to the building / structure, all as per direction of Engineer- in- Charge (The rate is inclusive of all materials & labours involved except scaffolding).							
	ROOM 1	1	6.900	4.800			33.120	
	ROOM 2	1	11.000	4.700			51.700	
	ROOM 3	1	2.470	7.500			18.526	
	ROOM 4	1	2.470	4.700			11.610	
	ROOM 5	1	2.470	2.830			6.991	
	ROOM 6	1	2.470	3.200			7.905	
		1	2.490	7.160			17.829	
	room	1	2.490	7.160			17.829	
		1	2.490	7.160			17.829	
		1	2.000	2.000			4.000	
		1	8.500	6.600			56.100	

	Total Quantity						243.439 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						243.439 sqm	
	Say 243.439 sqm @ Rs 186.17 / sqm						Rs 45321.04	
3	15.14.1 Dismantling wood work in frames, trusses, purlins and rafters up to 10 metres span and 5 metres height including stacking the material within 50 metres lead:Of sectional area 40 square centimetres and above							
		1				0.44	0.440	
	Total Quantity						0.440 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						0.440 cum	
	Say 0.440 cum @ Rs 3938.41 / cum						Rs 1732.90	
4	15.13.2 Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead:Of area beyond 3 sq. metres							
	WINDOW AND VENTILATOR	1				5.64	5.640	
	Total Quantity						5.640 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						5.640 each	
	Say 5.640 each @ Rs 165.62 / each						Rs 934.10	
5	15.7.4 Demolishing brick work manually / by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-Charge.In cement mortar							
	DOOR	4	1.200	0.330	2.100		3.327	
	WINDOW	3	1.200	0.330	1.500		1.783	
	Total Quantity						5.110 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						5.110 cum	
	Say 5.110 cum @ Rs 1730.20 / cum						Rs 8841.32	
6	15.60 Disposal of building rubbish/ malba/ similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved							
	25 LOAD	6	3.000	1.900	0.600		20.520	

	Total Quantity						20.520 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						20.520 cum	
	Say 20.520 cum @ Rs 163.45 / cum						Rs 3353.99	
7	24.4 Providing and applying antifungal wash treatment using 3% solution of sodium pentachlorophenate, of reputed brand and manufacturer, on cleaned sand stone surface at desired locations as per direction of Engineer -in-charge (The rate is inclusive of all materials & labours involved except scaffolding).							
	tile works	1				5.61	5.610	
	Total Quantity						5.610 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						5.610 sqm	
	Say 5.610 sqm @ Rs 69.49 / sqm						Rs 389.84	
8	6.4.2 Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in:Cement mortar 1:6 (1 cement : 6 coarse sand)							
		16	1.200	0.330	2.100		13.306	
		15	1.350	0.330	0.900		6.015	
	Total Quantity						19.321 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						19.321 cum	
	Say 19.321 cum @ Rs 8934.70 / cum						Rs 172627.34	
9	13.5.2 15 mm cement plaster on rough side of single or half brick wall of mix:1:6 (1 cement : 6 coarse sand)							
		1				154.0	154.000	
	Total Quantity						154.000 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						154.000 sqm	
	Say 154.000 sqm @ Rs 357.75 / sqm						Rs 55093.50	
10	50.5.33.1 Providing and laying in position machine batched and machine mixed design mix M- 20 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge.Note: Cement content considered in this item is @ 330 kg/ cum. Excess or less							

	cement used as per design mix is payable or recoverable separately. All work up to plinth level							
		1				2.15	2.150	
	Total Quantity						2.150 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						2.150 cum	
	Say 2.150 cum @ Rs 9413.54 / cum						Rs 20239.11	
11	14.1.1 Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground within 50 meters lead:With cement mortar 1:4 (1 cement : fine sand)							
		1				15.0	15.000	
	Total Quantity						15.000 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						15.000 sqm	
	Say 15.000 sqm @ Rs 491.78 / sqm						Rs 7376.70	
12	13.1.1 12 mm cement plaster of mix:1:4 (1 cement : 4 fine sand)							
		1				15.0	15.000	
	Total Quantity						15.000 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						15.000 sqm	
	Say 15.000 sqm @ Rs 314.09 / sqm						Rs 4711.35	
13	13.7.1 12 mm cement plaster finished with a floating coat of neat cement of mix:1:3 (1 cement : 3 fine sand)							
		1				13.0	13.000	
	Total Quantity						13.000 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						13.000 sqm	
	Say 13.000 sqm @ Rs 401.21 / sqm						Rs 5215.73	
14	6.3.1 Brick work with common burnt clay machine moulded perforated bricks of class designation 12.5 conforming to IS: 2222 in superstructure above plinth level up to floor five level in cement mortar 1:6 (1 cement : 6 coarse sand):With F.P.S. (non modular) bricks							
		1				5.0	5.000	
	Total Quantity						5.000 cum	

	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						5.000 cum	
	Say 5.000 cum @ Rs 9090.29 / cum						Rs 45451.45	
15	13.48.1 Finishing with Deluxe Multi surface paint system for interiors and exteriors using primer as per manufacturers specifications:Two or more coats applied on walls @ 1.25 ltr/10 sqm over and including one coat of special primer applied @ 0.75 ltr /10 sqm							
		1				1915.34	1915.340	
	Total Quantity						1915.340 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						1915.340 sqm	
	Say 1915.340 sqm @ Rs 167.39 / sqm						Rs 320608.76	
16	13.48.3 Finishing with Deluxe Multi surface paint system for interiors and exteriors using primer as per manufacturers specifications:Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @ 0.80 ltr/10 sqm of approved brand and manufacture							
		1				387.0	387.000	
	Total Quantity						387.000 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						387.000 sqm	
	Say 387.000 sqm @ Rs 148.13 / sqm						Rs 57326.31	
17	13.91 Removing dry or oil bound distemper, water proofing cement paint and thelike by scrapping, sand papering and preparing the surface smooth includingnecessary repairs to scratches etc. complete.							
		1				1316.17	1316.170	
	Total Quantity						1316.170 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						1316.170 sqm	
	Say 1316.170 sqm @ Rs 21.42 / sqm						Rs 28192.36	
18	13.48.2 Finishing with Deluxe Multi surface paint system for interiors and exteriors using primer as per manufacturers specifications:Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @ 0.75 ltr/10 sqm of approved brand and manufacture							
		1				387.0	387.000	

	Total Quantity						387.000 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						387.000 sqm	
	Say 387.000 sqm @ Rs 153.28 / sqm						Rs 59319.36	
19	13.26 Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.							
		1				884.0	884.000	
	Total Quantity						884.000 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						884.000 sqm	
	Say 884.000 sqm @ Rs 231.52 / sqm						Rs 204663.68	
20	9.1.1 Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately).Second class teak wood							
	door and windows	1				0.16	0.160	
	Total Quantity						0.160 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						0.160 cum	
	Say 0.160 cum @ Rs 153237.78 / cum						Rs 24518.04	
21	14.4.1 Making the opening in brick masonry including dismantling in floor or walls by cutting masonry and making good the damages to walls, flooring and jambs complete, to match existing surface i/c disposal of mulba / rubbish to the nearest municipal dumping ground.For door / window / clerestory window							
		1				3.81	3.810	
	Total Quantity						3.810 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						3.810 sqm	
	Say 3.810 sqm @ Rs 1097.60 / sqm						Rs 4181.86	
22	14.2.1 Fixing chowkhats in existing opening including embedding chowkhats in floors or walls cutting masonry for hold fasts, embedding hold fasts in cement concrete blocks of size 15 x 10 x 10 cm, with cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size), painting two coats of approved wood preservative to sides of chowkhats and making good the damages to walls and floors as required complete, including disposal of rubbish to the dumping ground within 50 meters lead:Door chowkhats							

		1				3.0	3.000	
	Total Quantity						3.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						3.000 each	
	Say 3.000 each @ Rs 1608.91 / each						Rs 4826.73	
23	11.41.2 Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS : 15622, of approved make, in all colours and shades, laid on 20 mm thick cement mortar 1:4(1 cement : 4 coarse sand), including grouting the joints with white cement and matching pigments etc., complete. Size of Tile 600 x 600 mm.							
		1				30.35	30.350	
	Total Quantity						30.350 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						30.350 sqm	
	Say 30.350 sqm @ Rs 1766.26 / sqm						Rs 53605.99	
24	od77368/2023_2024 11.54.1 Providing and fixing removable raised/false access flooring with system and its components of approved make for different plenum height with possible height adjustment upto 50 mm, comprising of modular load bearing floor panels supported on G.I. rectangular stinger frame work and G.I. Pedestal etc. all complete, as per the architectural drawings, as specified and as directed by Engineer-in-charge consisting of: a) Providing at required spacing to form modular framework, pedestals made out of GI tube of thickness minimum 2 mm and 25 mm outer diameter, fully welded on the G.I. Base plate of size 100mmx100mmx3mm at the bottom of the pedestal tube, G.I. pedestal head of size 75mmx75mmx3.5mm welded with GI fully threaded stud 16 mm outer diameter with two GI check nuts screwed on the stud for level adjustment upto 50mm, locking and stabilizing the pedestal head in position at the required level. The pedestals shall be fixed to the subfloor (base) through base plate using epoxy based adhesive of approved make or the machine screw with raw plug. and Applying lean concrete 1:2:4 for base of flooring as direction of engineer, over that up to 25mm thick kota slab 60*60 size laying, after floor surface prepared applying two coat floarm primer 1290 apply self smoothing solvent free epoxy floor topping floarm top slim of approved colour and allow full cure, including all materials, labour..etc to complete, all works under guideline of imck engineering wing							
		1				102.77	102.770	
	Total Quantity						102.770 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						102.770 sqm	
	Say 102.770 sqm @ Rs 5342.90 / sqm						Rs 549089.83	
25	od77403/2023_2024 Finishing , Once the primer become dry, apply self-smoothing, solvent free epoxy floor topping FloArm Top SL1M of approved colour and allow to full cure. System thickness of 1mm shall be maintained. Allow							

	entire system to air cure for a period of 24 hours before putting to foot traffic.two coats including cost and conveyance for materials and labour charges and watering, curing etc. completecomplete as per the direction of site engineer,using FloArm Top SL1M must cover average 1.5 kg per sq.meter and produced material certification and Guarantee deed of work							
		1				30.35	30.350	
	Total Quantity						30.350 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						30.350 sqm	
	Say 30.350 sqm @ Rs 435.99 / sqm						Rs 13232.30	
26	9.5.1.1 Providing and fixing panelled or panelled and glazed shutters for shutters for doors, windows and clerestory windows, including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer - in-charge.Second class teak woodProviding and fixing panelled or panelled and glazed shutters for doors, windowsand clerestory windows fixing with butt hinges of required size with necessaryscrews, excluding panelling which will be paid for separately, all complete as perdirection of Engineer-in-charge. (Note:- Butt hinges and necessary screws shallbe paid separately)Second class teak wood35 mm thick shutters							
		1				15.52	15.520	
	Total Quantity						15.520 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						15.520 sqm	
	Say 15.520 sqm @ Rs 4253.25 / sqm						Rs 66010.44	
27	od77404/2023_2024 Apply a two coat of solvent free epoxy primer, FloArm Primer1290allowing it to become dry. to old work including cost and conveyance for materials and labour charges and watering, curing etc. complete as per the direction of site engineer,using primer must cover average 0.35 kg per sq.meter , produced material certification and Guarantee deed of work							
		1				30.35	30.350	
	Total Quantity						30.350 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						30.350 sqm	
	Say 30.350 sqm @ Rs 220.95 / sqm						Rs 6705.83	
28	12.5.1 Providing valleys of 90 cm wide overall in plain G.S. sheet fixed with polymer coated J or L hooks, bolts and nuts 8 mm dia G.I. limper and bitumen washers complete:1.60 mm thick with zinc coating not less than 350 gm/ m2							
		1				7.5	7.500	

	Total Quantity						7.500 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						7.500 metre	
	Say 7.500 metre @ Rs 1559.29 / metre						Rs 11694.68	
29	12.7.1 Providing and fixing 15cm wide, 45 cm overall semi circular plain G.S. sheet gutter with iron brackets 40x3 mm size, bolts, nuts and washers etc., including making necessary connections with rain water pipes complete.0.80 mm thick with zinc coating not less than 275 gm/m2							
		1				7.5	7.500	
	Total Quantity						7.500 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						7.500 metre	
	Say 7.500 metre @ Rs 900.52 / metre						Rs 6753.90	
30	15.12.1 Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead:Of area 3 sq. metres and below							
		1				3.5	3.500	
	Total Quantity						3.500 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						3.500 each	
	Say 3.500 each @ Rs 323.11 / each						Rs 1130.89	
31	15.39.2 Dismantling wooden boardings in lining of walls and partitions, excluding supporting members but including stacking with in 50 metres lead:Thickness above 10mm upto 25 mm							
		1				19.09	19.090	
	Total Quantity						19.090 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						19.090 sqm	
	Say 19.090 sqm @ Rs 67.46 / sqm						Rs 1287.81	
32	2.34.1 Supplying chemical emulsion in sealed containers including delivery as specified.Chlorpyriphos / Lindane emulsifiable concentrate of 20%							
		1				52.0	52.000	
	Total Quantity						52.000 Litre	
	Total Deducted Quantity						0.000 Litre	
	Net Total Quantity						52.000 Litre	

	Say 52.000 Litre @ Rs 236.40 / Litre							Rs 12292.80
33	2.35.3.1 Diluting and injecting chemical emulsion for POST -CONSTRUCTION anti-termite treatment (excluding the cost of chemical emulsion):Treatment of soil under existing floors using chemical emulsion @ one litre per hole, 300 mm apart including drilling 12 mm diameter holes and plugging with cement mortar 1:2 (1 cement : 2 coarse sand) to match the existing floor:With Chlorpyriphos/Lindane E.C. 20% with 1% concentration							
		1				300.0	300.000	
	Total Quantity							300.000 sqm
	Total Deducted Quantity							0.000 sqm
	Net Total Quantity							300.000 sqm
	Say 300.000 sqm @ Rs 267.25 / sqm							Rs 80175.00
34	5.9.5 Centering and shuttering including strutting, etc. and removal of form for:Lintels, beams, plinth beams, girders bressumers and cantilevers							
		1				6.9	6.900	
	Total Quantity							6.900 sqm
	Total Deducted Quantity							0.000 sqm
	Net Total Quantity							6.900 sqm
	Say 6.900 sqm @ Rs 649.82 / sqm							Rs 4483.76
35	5.22.6 Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete upto plinth levelThermo - Mechanically Treated bars of grade Fe-500D or more							
		1				214.56	214.560	
	Total Quantity							214.560 kilogram
	Total Deducted Quantity							0.000 kilogram
	Net Total Quantity							214.560 kilogram
	Say 214.560 kilogram @ Rs 98.30 / kilogram							Rs 21091.25
36	11.48.2 Grouting the joints of flooring tiles having joints of 3 mm width, using epoxy grout mix 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg). including filling /grouting and finishing complete as per direction of Engineer-in-charge.Size of Tile 600x600 mm							
		1				30.13	30.130	
	Total Quantity							30.130 sqm
	Total Deducted Quantity							0.000 sqm
	Net Total Quantity							30.130 sqm

	Say 30.130 sqm @ Rs 284.20 / sqm						Rs 8562.95	
37	12.45.3 Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/ sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37 mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50 mm long with 6 mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25 mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5x25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound, jointing tapes, finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with:12.5 mm thick tapered edge gypsum moisture resistant board							
		1				150.0	150.000	
	Total Quantity						150.000 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						150.000 sqm	
	Say 150.000 sqm @ Rs 1514.00 / sqm						Rs 227100.00	
38	od78877/2023_2024 Supply and fixing of 10mm heat toughened laminated clear glass for windows including materials labor etc.							
		1				2.37	2.370	
	Total Quantity						2.370 per sqm	
	Total Deducted Quantity						0.000 per sqm	
	Net Total Quantity						2.370 per sqm	
	Say 2.370 per sqm @ Rs 4302.20 / per sqm						Rs 10196.21	
39	od78878/2023_2024 Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc complete 250x10mm							
		1				6.0	6.000	
	Total Quantity						6.000 each	

	Total Deducted Quantity						0.000 each	
	Net Total Quantity						6.000 each	
	Say 6.000 each @ Rs 598.61 / each						Rs 3591.66	
40	od78879/2023_2024 21.Providing and fixing antique brass finished 100mm lock with 6 levers antique finished brass key cylinder 70mm and a pair of handles of approved quality with necessary screws etc complete.							
		1				4.0	4.000	
	Total Quantity						4.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						4.000 each	
	Say 4.000 each @ Rs 7802.96 / each						Rs 31211.84	
41	od78880/2023_2024 Providing wood work in frames of doors, windows, clerestory windows and other frames wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia& length (hold fast lugs or dash fastener shall paid to separately) using second class teak wood.							
		1				0.13	0.130	
	Total Quantity						0.130 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						0.130 cum	
	Say 0.130 cum @ Rs 152826.63 / cum						Rs 19867.46	
42	od78881/2023_2024 19.Providing and fixing panelled shutters for doors and windows including good quality bright finished brass built hinges heavy type and necessary screws all complete as per direction of Engineer-in charge, superior class teak wood 120mmx285x40mm shutters							
		1				14.43	14.430	
	Total Quantity						14.430 per sqm	
	Total Deducted Quantity						0.000 per sqm	
	Net Total Quantity						14.430 per sqm	
	Say 14.430 per sqm @ Rs 16265.65 / per sqm						Rs 234713.33	
43	od78882/2023_2024 17.Finishing walls with Cement stained finish including, preparing wall surface by using hand grinder/ emery paper which is necessary to remove laitance and provide a suitable surface to receive subsequent finish applying one coat of Acrylic wall primer over the prepared surface applying two coasts of wall putty over the primed surface applying one coat of colored stainer coat over the prepared surface as instructed by Engineer in-charge and protect the surface with one coat of Nano sealer clear matt finish coating and conveyance of all materials and labour included							
		1				289.17	289.170	

	Total Quantity						289.170 per sqm	
	Total Deducted Quantity						0.000 per sqm	
	Net Total Quantity						289.170 per sqm	
	Say 289.170 per sqm @ Rs 1998.94 / per sqm						Rs 578033.48	
44	od78883/2023_2024 16.Finishing walls with texture finish including, preparing wall surface by using hand grinder/ emery paper which is necessary to remove laitance and provide a suitable surface to receive subsequent finish applying one coat of Acrylic wall primer over the prepared surface applying tow coasts of synthetic readymade plaster over the primed surface applying one coat of colured stain under coat over the putty surface to highlight the finish applying two coasts of coloured strainer coasts over the prepared surface as instructed by Engineer in-charge and protect the surface with one coat of Nano sealer clear matt finish coating and conveyance of material labour and all included							
		1				446.22	446.220	
	Total Quantity						446.220 per sqm	
	Total Deducted Quantity						0.000 per sqm	
	Net Total Quantity						446.220 per sqm	
	Say 446.220 per sqm @ Rs 1999.64 / per sqm						Rs 892279.36	
45	od78884/2023_2024 Finishing wall Nano coat sealer							
		1				1380.0	1380.000	
	Total Quantity						1380.000 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						1380.000 sqm	
	Say 1380.000 sqm @ Rs 278.76 / sqm						Rs 384688.80	
46	od78885/2023_2024 14.Finishing wooden surface by sanding the wooden surface along grains using paper number 180 and them 320 and wiping the surface clean off to remove lose particles applying one coat of polyurethane sealer again standing the surface with 320 number sand paper cleaning and applying the sealer coat again, applying two coats of PU wood finish sanding between coats including coat of all materials, labor, tools and carriages up to all levels.							
		1				166.57	166.570	
	Total Quantity						166.570 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						166.570 sqm	
	Say 166.570 sqm @ Rs 2374.11 / sqm						Rs 395455.50	
47	od78886/2023_2024 Providing and fixing corton steel roofing in mid steel tube frame work in curve/ plane surface with 3 mm							

	thick corton steel of desired texture filling joints and gaps with silicone sealant with all the accessories including cost and conveyance of materials							
		1				84.24	84.240	
	Total Quantity						84.240 per sqm	
	Total Deducted Quantity						0.000 per sqm	
	Net Total Quantity						84.240 per sqm	
	Say 84.240 per sqm @ Rs 2648.22 / per sqm						Rs 223086.05	
48	od78887/2023_2024 8.Providing and fixing ratification of approved size by bending and welding etc to steel ladder railing balcony railing staircase railing and similar works including applying priming coat of approves steel primer. MS tube (30mm dia.2.6mm thick							
		1				103.2	103.200	
	Total Quantity						103.200 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						103.200 kg	
	Say 103.200 kg @ Rs 186.66 / kg						Rs 19263.31	
49	od78888/2023_2024 7.Providing and fixing rail of approved size by welding etc. to steel ladder railing balcony railing staircase railing and similar works, including applying priming cost of approves steel primer MS tube (20 mm dia 2.35mm thick) Other Engineering Organisations							
		1				128.0	128.000	
	Total Quantity						128.000 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						128.000 kg	
	Say 128.000 kg @ Rs 215.24 / kg						Rs 27550.72	
50	od78889/2023_2024 Dismantling wooden laminate works in floors including removal of wooden skinning staking serviceable material within 50 meters lead							
		1				193.0	193.000	
	Total Quantity						193.000 per sqm	
	Total Deducted Quantity						0.000 per sqm	
	Net Total Quantity						193.000 per sqm	
	Say 193.000 per sqm @ Rs 78.82 / per sqm						Rs 15212.26	
51	od78890/2023_2024 Providing and fixing best quality/ Anjili wood wrought and put up for roof members including cost and conveyance of materials etc. complete							

		1				0.55	0.550	
	Total Quantity						0.550 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						0.550 cum	
	Say 0.550 cum @ Rs 136826.31 / cum						Rs 75254.47	
52	od78891/2023_2024 Supplying and fixing plane ceiling day tile of approved pattern including cost and conveyance etc complete							
		1				500.0	500.000	
	Total Quantity						500.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						500.000 each	
	Say 500.000 each @ Rs 100.92 / each						Rs 50460.00	
53	od78892/2023_2024 Providing and fixing PWD pattern the in line and level for height upto 5m							
		1				15.75	15.750	
	Total Quantity						15.750 per sqm	
	Total Deducted Quantity						0.000 per sqm	
	Net Total Quantity						15.750 per sqm	
	Say 15.750 per sqm @ Rs 159.10 / per sqm						Rs 2505.83	
54	od80826/2023_2024 10.Structural steel work riveted, bolted or welded in built up sections, trusses and framed work including cutting hosting fixing in position and applying a priming coat of approved steel primer at complete							
		1				1285.84	1285.840	
	Total Quantity						1285.840 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						1285.840 kg	
	Say 1285.840 kg @ Rs 243.22 / kg						Rs 312742.00	
55	od80827/2023_2024 9.Structural steel work in 100mm dia M.S tube with or without connecting plate including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.							
		1				704.86	704.860	
	Total Quantity						704.860 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						704.860 kg	

	Say 704.860 kg @ Rs 186.66 / kg						Rs 131569.17	
SI No	Description	No	L	B	D	CF	Quantity	Remark
2 LANDSCAPE WORS								
1	2.8.1 Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.All kinds of soil							
		1				25.0	25.000	
	Total Quantity						25.000 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						25.000 cum	
	Say 25.000 cum @ Rs 296.94 / cum						Rs 7423.50	
2	30.2.7 Fine dressing of the ground							
		1				25.0	25.000	
	Total Quantity						25.000 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						25.000 sqm	
	Say 25.000 sqm @ Rs 4.41 / sqm						Rs 110.25	
3	30.2.14.4 Digging holes in ordinary soil and refilling the same with the excavated earth mixed with manure or sludge in the ratio of 2:1 by volume (2 parts of stacked volume of earth after reduction by 20% : 1 part of stacked volume of manure after reduction by 8%) flooding with water, dressing including removal of rubbish and surplus earth, if any, with all leads and lifts (cost of manure, sludge or extra good earth if needed to be paid for separately) :Holes 45 cm dia, and 45 cm deep							
		1				900.0	900.000	
	Total Quantity						900.000 holes	
	Total Deducted Quantity						0.000 holes	
	Net Total Quantity						900.000 holes	
	Say 900.000 holes @ Rs 23.59 / holes						Rs 21231.00	
4	30.2.28 Preparation of mounds of various size and shape by available excavated / supplied earth in layers not exceeding 20 cm in depth, breaking clods, watering of each layer, dressing etc., lead upto 50 meter and lift upto 1.5 m complete as per direction of Officer-in-charge.							
		1				9.0	9.000	
	Total Quantity						9.000 cum	

	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						9.000 cum	
	Say 9.000 cum @ Rs 549.00 / cum						Rs 4941.00	
5	30.2.33 Providing and fixing Neelgiri/Mexican grass turf with earth 50mm to 60mm thickness of existing ground prepared with proper level and ramming with required tools wooden (Dhurmos) and than rolling the surface with light roller make the surface smoothen and even, watering with sprinkler							
		1				68.0	68.000	
	Total Quantity						68.000 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						68.000 sqm	
	Say 68.000 sqm @ Rs 280.74 / sqm						Rs 19090.32	
6	30.2.57.1 Plantation of Trees, Shrubs, and Hedge at site i/c watering and removal of unsaverieable material?s as per direction of officer in charge (excluding cast of plant & water)Cost of plantation per trees plants (for 100 nos.=427.45/100)							
		1				654.0	654.000	
	Total Quantity						654.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						654.000 no	
	Say 654.000 no @ Rs 8.81 / no						Rs 5761.74	
7	50.6.7.2 Laterate masonry with neatly dressed laterate stone of size 40x20x15cm or nearest size in cement mortar 1:6 for super structure above plinth level up to floor two level including all cost of materials, labour charges etc.							
		1				10.0	10.000	
	Total Quantity						10.000 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						10.000 cum	
	Say 10.000 cum @ Rs 7944.74 / cum						Rs 79447.40	
8	2.28.1 Surface dressing of the ground including removing vegetation and in-equalities not exceeding 15 cm deep and disposal of rubbish, lead up to 50 m and lift up to 1.5 m.All kinds of soil							
		1				68.0	68.000	
	Total Quantity						68.000 sqm	
	Total Deducted Quantity						0.000 sqm	

	Net Total Quantity						68.000 sqm	
	Say 68.000 sqm @ Rs 28.68 / sqm						Rs 1950.24	
9	7.1.1 Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) up to plinth level with:Cement mortar 1:6 (1 cement : 6 coarse sand)							
		1				5.0	5.000	
	Total Quantity						5.000 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						5.000 cum	
	Say 5.000 cum @ Rs 7204.78 / cum						Rs 36023.90	
10	10.16.3 Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.Electric resistance or induction butt welded tubes							
		2				175.0	350.000	
	Total Quantity						350.000 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						350.000 kg	
	Say 350.000 kg @ Rs 152.27 / kg						Rs 53294.50	
11	10.19 Providing and fixing mild steel round holding down bolts with nuts and washer plates complete.							
		1				12.0	12.000	
	Total Quantity						12.000 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						12.000 kg	
	Say 12.000 kg @ Rs 98.64 / kg						Rs 1183.68	
12	10.20 Providing and fixing bolts including nuts and washers complete.							
		1				8.0	8.000	
	Total Quantity						8.000 kg	
	Total Deducted Quantity						0.000 kg	
	Net Total Quantity						8.000 kg	
	Say 8.000 kg @ Rs 151.18 / kg						Rs 1209.44	
13	2.25 Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundation etc. in layers not							

	exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5 m.							
		2				26.0	52.000	
	Total Quantity						52.000 cum	
	Total Deducted Quantity						0.000 cum	
	Net Total Quantity						52.000 cum	
	Say 52.000 cum @ Rs 258.57 / cum						Rs 13445.64	
14	14.18.1 Flush pointing with cement mortar 1:3 (1 cement : 3 fine sand) mixed with 2% of integral water proofing compound by weight of cement for flat tile bricks on top of mud phaska:With F.P.S. brick tiles							
		1				8.0	8.000	
	Total Quantity						8.000 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						8.000 sqm	
	Say 8.000 sqm @ Rs 121.76 / sqm						Rs 974.08	
15	11.32 Extra for Kota stone / sand stone in treads of steps and risers using single length up to 1.05 metre.							
		1				20.0	20.000	
	Total Quantity						20.000 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						20.000 sqm	
	Say 20.000 sqm @ Rs 38.98 / sqm						Rs 779.60	
16	od78421/2023_2024 supply of plant as per the requirement rate per size, age of plant, market rate etc.as per the site engineer direction							
	43.Plumeria alba	1				2.0	2.000	
	44.Yellow bamboo	1				6.0	6.000	
	45 . P a n d a n u s v a r i e g a t e d	1				60.0	60.000	
	46 . H e l i c o n i a p s i t t a c o r u m	1				30.0	30.000	
	47.Ruellia rosea- plant	1				20.0	20.000	
	48.Spider lily	1				60.0	60.000	
	49.Allemanthera green	1				40.0	40.000	

	50.Cuphea green	1				40.0	40.000	
	51.Duranta	1				40.0	40.000	
	52.Allemanthara Red	1				60.0	60.000	
	53.Ixora dark red	1				30.0	30.000	
	54.Tabernaemontana Ribbon grass variegated	1				40.0	40.000	
	Ribbon grass variegated	1				60.0	60.000	
	56.Alpinia speciosa variegated	1				10.0	10.000	
	Total Quantity						498.000 L.S	
	Total Deducted Quantity						0.000 L.S	
	Net Total Quantity						498.000 L.S	
	Say 498.000 L.S @ Rs 107.21 / L.S						Rs 53390.58	
SI No	Description	No	L	B	D	CF	Quantity	Remark
3 GALLERY SETTING UP								
1	od78930/2023_2024 62.Furniture							
		1					1.000	
	Total Quantity						1.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						1.000 each	
	Say 1.000 each @ Rs 36006.50 / each						Rs 36006.50	
2	od78931/2023_2024 61.Vinyle display panels with metal frames weided mounted on wall							
		1				15.0	15.000	
	Total Quantity						15.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						15.000 each	
	Say 15.000 each @ Rs 5226.75 / each						Rs 78401.25	
3	od78932/2023_2024 60.Providing and fixing metal frame of approved size by welding to base plate fastned by anchor botts etc. for display panel and decorative frames and similar works including applying painting coat of approved steel primer. Midd steel round bar 12mm and below							
		1				125.0	125.000	

	Total Quantity							125.000 kg
	Total Deducted Quantity							0.000 kg
	Net Total Quantity							125.000 kg
	Say 125.000 kg @ Rs 160.29 / kg							Rs 20036.25
4	od78933/2023_2024 59.Title cards in Antique brass finish							
		1				46.0	46.000	
	Total Quantity							46.000 each
	Total Deducted Quantity							0.000 each
	Net Total Quantity							46.000 each
	Say 46.000 each @ Rs 1335.73 / each							Rs 61443.58
5	od78934/2023_2024 58.Supply and installation of heat handed aluminum Z bar picture hanging system with all necessary screws and accessories							
		1				46.0	46.000	
	Total Quantity							46.000 each
	Total Deducted Quantity							0.000 each
	Net Total Quantity							46.000 each
	Say 46.000 each @ Rs 2813.15 / each							Rs 129404.90
6	od92064/2023_2024 Havells Ambrode 1200mmCeiling fan [cola expresson brown] button control aluminium ceiling fan 3900 RPM 							
		1				4.0	4.000	
	Total Quantity							4.000 each
	Total Deducted Quantity							0.000 each
	Net Total Quantity							4.000 each
	Say 4.000 each @ Rs 4181.40 / each							Rs 16725.60
7	od92065/2023_2024 Miscellaneous for electrical [cabling, plug points, power plug points] and pinting works and transportation 							
		1					1.000	
	Total Quantity							1.000 each
	Total Deducted Quantity							0.000 each
	Net Total Quantity							1.000 each
	Say 1.000 each @ Rs 92920.00 / each							Rs 92920.00

8	od92066/2023_2024 "Glass rack (8 ftlength *6.6ft height* 8 inch depth) . 18mm multiwood racks coated with automotive lacquer paint . Sliding glass sheets for door arranged inside (12inch * 8mm) The rate includes the material and labour charges. " 							
		1				4.92	4.920	
	Total Quantity						4.920 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						4.920 sqm	
	Say 4.920 sqm @ Rs 16252.87 / sqm						Rs 79964.12	
9	od92067/2023_2024 "12W AC85-265V 1080LM COB LED Light Spotlight Adjustable Lamp. Havels 3 core round pvc insulated and fr pvc round sgeathed industrial cable - 100m Including material and fixing labour charges" 							
		1				32.0	32.000	
	Total Quantity						32.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						32.000 no	
	Say 32.000 no @ Rs 3484.50 / no						Rs 111504.00	
10	od92068/2023_2024 "Three arches in the projection area (7ft *8ft) metal structuring on which multiwood is fixed and Latex max waterproof vinyl is pasted encraved wood texture" 							
		1				0.09	0.093	
	Total Quantity						0.093 per sqm	
	Total Deducted Quantity						0.000 per sqm	
	Net Total Quantity						0.093 per sqm	
	Say 0.093 per sqm @ Rs 175033.40 / per sqm						Rs 16278.11	
11	od92069/2023_2024 "5 mins 3D animation video Projection alpha out Digital video editing system should be capable of the following: -motion graphics -2D & 3D animation -digital effects/Flash Graphics Non-linear editing system (any of the following or similar professional video editing software) -Adobe Premiere Pro Post-Production - On-line Editors, Graphic Artists/Animators , Scriptwriter , Researcher , Music Scorer , Voice Over Talent " 							
	EACH UNIT PER SECOND	300					300.000	
	Total Quantity						300.000 each set	
	Total Deducted Quantity						0.000 each set	
	Net Total Quantity						300.000 each set	

	Say 300.000 each set @ Rs 813.05 / each set						Rs 243915.00	
12	od92070/2023_2024 Canvas printing chargess including layout charges and laying charges (including wastage) 							
		1				32.52	32.515	
	Total Quantity						32.515 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						32.515 sqm	
	Say 32.515 sqm @ Rs 4251.09 / sqm						Rs 138224.19	
13	od92071/2023_2024 Flat bed matte latex Vinyl Printing(POLO) chargess including layout charges and laying charges (including wastage) 							
		1				47.38	47.379	
	Total Quantity						47.379 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						47.379 sqm	
	Say 47.379 sqm @ Rs 5500.86 / sqm						Rs 260625.25	
14	od92072/2023_2024 The multiwood sheet over the base (12mm multiwood) including material, labour charge etc 							
		1				47.38	47.379	
	Total Quantity						47.379 per sqm	
	Total Deducted Quantity						0.000 per sqm	
	Net Total Quantity						47.379 per sqm	
	Say 47.379 per sqm @ Rs 2000.10 / per sqm						Rs 94762.74	
15	od92073/2023_2024 "Applying oil based NC putty and painting priemer andJotun texture paint over the Partition wall below the partition structure including material and labour charges. " 							
		1				130.06	130.060	
	Total Quantity						130.060 per sqm	
	Total Deducted Quantity						0.000 per sqm	
	Net Total Quantity						130.060 per sqm	
	Say 130.060 per sqm @ Rs 1437.94 / per sqm						Rs 187018.48	
16	od92074/2023_2024 "Applying oil based NC putty and painting priemer and Jotun texture paint above the Partition wall including material and labour charges. " 							
		1				130.06	130.060	

	Total Quantity						130.060 per sqm	
	Total Deducted Quantity						0.000 per sqm	
	Net Total Quantity						130.060 per sqm	
	Say 130.060 per sqm @ Rs 1575.30 / per sqm						Rs 204883.52	
17	od92075/2023_2024 Backlitted pillar (8ft*8inches* 8inches) structuring on which multiwood is fixed. On the backlighted front portion, polycarbon sheet is fixed and laser cutted designed multiwood sheet is fixed on it. and Latex max waterproof vinyl is pasted encraved wood texture 6 nos) 							
		1				3.53	3.530	
	Total Quantity						3.530 per sqm	
	Total Deducted Quantity						0.000 per sqm	
	Net Total Quantity						3.530 per sqm	
	Say 3.530 per sqm @ Rs 13752.62 / per sqm						Rs 48546.75	
18	od92076/2023_2024 Backlitted arches (12.6ft*8.6ft* 8.6ft) (depth 7 inch , width 8 inch)metal structuring on which multiwood is fixed. On the backlighted front portion, polycarbon sheet is fixed and laser cutted designed multiwood sheet is fixed on it. and Latex max waterproof vinyl is pasted encraved wood texture (1 no) 							
		1				2.79	2.790	
	Total Quantity						2.790 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						2.790 metre	
	Say 2.790 metre @ Rs 619.54 / metre						Rs 1728.52	
19	od92077/2023_2024 "CNC border Cladding on the wall including material and labour charges. Greenwood laminated panelling including material and labour charges (0.48 density green wood interior pvc board with 12mm width) 30feet*1foot * 2 inches - 4nos 14feet* 1 foot * 2inches - 2 no 15 feet * 1 foot * 2 inches - 4 nos 14 feet * 1 foot * 2 inches - 4 nos 14feet * 1 foot * 2 inches - 8 nos" 							
		1				276.0	276.000	
	Total Quantity						276.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						276.000 no	
	Say 276.000 no @ Rs 290.38 / no						Rs 80144.88	
20	od92078/2023_2024 "Cladding for the upper corners of the walls (Box type) including material (14mm GI pipe) and labour charges. Greenwood laminated panelling including material and labour charges (0.48 density green wood interior pvc board with 12mm width) 30feet*2feet * 2 inches - 2nos 14feet* 2 feet * 2inches - 1 no 15 feet * 2 feet * 2 inches - 2 nos 14 feet * 2 feet * 2 inches - 2 nos 14feet * 2 feet * 2							

	inches - 4 nos" 							
		1				276.0	276.000	
	Total Quantity						276.000 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						276.000 sqm	
	Say 276.000 sqm @ Rs 4375.84 / sqm						Rs 1207731.84	
21	od92152/2023_2024 Projector Screen Grey (6*4ft) with framing made of multiwood and metal 							
		1					1.000	
	Total Quantity						1.000 job	
	Total Deducted Quantity						0.000 job	
	Net Total Quantity						1.000 job	
	Say 1.000 job @ Rs 27876.00 / job						Rs 27876.00	
SI No	Description	No	L	B	D	CF	Quantity	Remark
4 ELV AND CCTV								
1	od78898/2023_2024 Power wring from UPS output to computer system							
		1					1.000	
	Total Quantity						1.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						1.000 each	
	Say 1.000 each @ Rs 7500.00 / each						Rs 7500.00	
2	od78899/2023_2024 Reinstallation and Rearranging of UPS and Rack to another location with power wiring (Input mains power and output UPS power to Rack)							
		1					1.000	
	Total Quantity						1.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						1.000 each	
	Say 1.000 each @ Rs 10200.00 / each						Rs 10200.00	
3	od78900/2023_2024 CAT6 UTP cable (Dink/Molex) laying includes cables ISI consults and filling accessories							
		1				420.0	420.000	
	Total Quantity						420.000 metre	
	Total Deducted Quantity						0.000 metre	

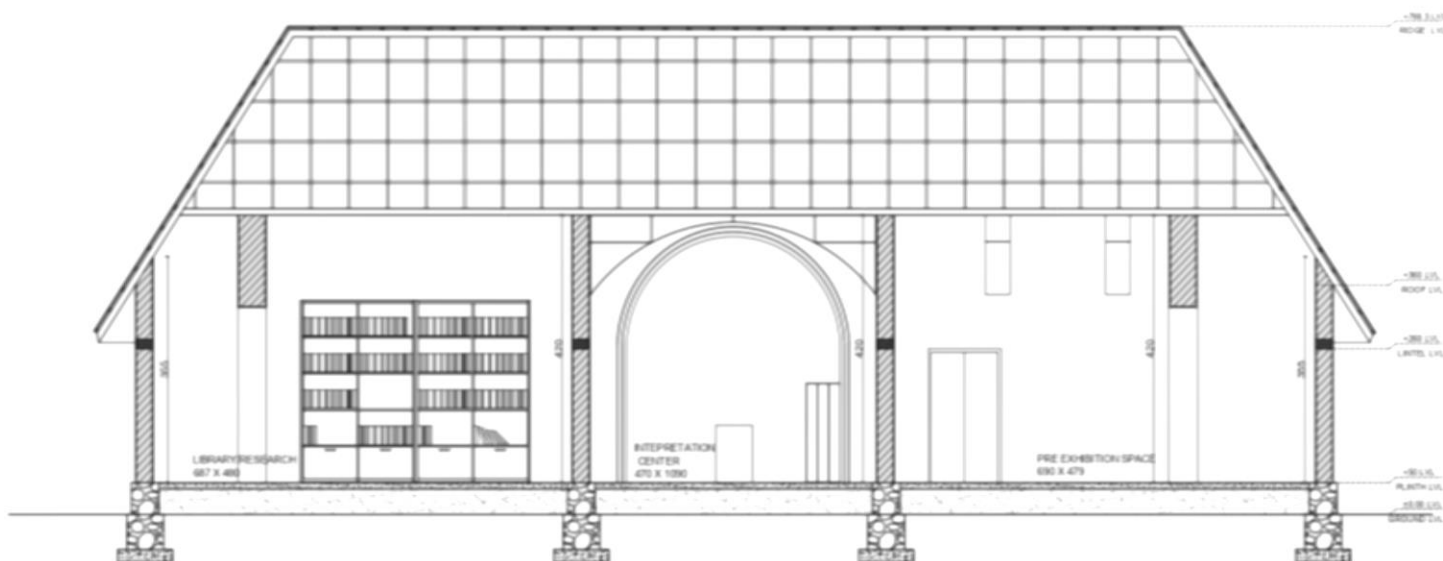
	Net Total Quantity						420.000 metre	
	Say 420.000 metre @ Rs 113.50 / metre						Rs 47670.00	
4	od78901/2023_2024 Desktop computer Intel Core 15,10 Gen processor, Memory 8 GB RAM, 1TB HDD, 18 TFT Monitor with windows 10 pro license –Acert/Lenovo/Delhi							
		1				2.0	2.000	
	Total Quantity						2.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						2.000 each	
	Say 2.000 each @ Rs 52250.00 / each						Rs 104500.00	
5	od78902/2023_2024 Installation, Testing, Training and Commissioning of the Kiosks system							
		1				2.0	2.000	
	Total Quantity						2.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						2.000 each	
	Say 2.000 each @ Rs 2375.00 / each						Rs 4750.00	
6	od78903/2023_2024 15 Kiosk with windows 10 embedded IOTOS and 1 KVA UPS							
		1				2.0	2.000	
	Total Quantity						2.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						2.000 each	
	Say 2.000 each @ Rs 98750.00 / each						Rs 197500.00	
SI No	Description	No	L	B	D	CF	Quantity	Remark
5 FIRE ALARUM								
1	od78916/2023_2024 Supply installation testing & commission of 2x15 sqmm FRLS around cable							
		1				500.0	500.000	
	Total Quantity						500.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						500.000 metre	
	Say 500.000 metre @ Rs 170.00 / metre						Rs 85000.00	
2	od78917/2023_2024 Supply installation testing & commissioning of Control Panel of 4 zone complete with charger rectifier							

	alarm display with all other necessary attachments							
		1					1.000	
	Total Quantity						1.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						1.000 no	
	Say 1.000 no @ Rs 15000.00 / no						Rs 15000.00	
3	od78918/2023_2024 Supply, installation testing & commissioning of Photo Electric type smoke detectors with mounting base							
		1				24.0	24.000	
	Total Quantity						24.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						24.000 no	
	Say 24.000 no @ Rs 1600.00 / no						Rs 38400.00	
4	od78919/2023_2024 Supply, installation & Commissioning of Audio Alarm Hooters							
		1				4.0	4.000	
	Total Quantity						4.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						4.000 no	
	Say 4.000 no @ Rs 750.00 / no						Rs 3000.00	
5	od78920/2023_2024 Supply installation & Commissioning of Manual Call Points							
		1				4.0	4.000	
	Total Quantity						4.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						4.000 no	
	Say 4.000 no @ Rs 750.00 / no						Rs 3000.00	
SI No	Description	No	L	B	D	CF	Quantity	Remark
6 FRESH AIR SUPPLY								
1	od78923/2023_2024 41.Supplying, installing testing and commissioning of INLINEFANS of 800 cfm suitable for installing in any position verticals or horizontal ducts. The casing shall be double kin, internally acoustically lined and constructed of galvanised steel. The fan shall be DIDW with forwarded curve impeller fitted with maintenance two external rotor motor. The motor shall be suitable for 220x5% volt single phase 50 cycles AS supply & meeting criterion as per ASHRAE standard 90-1-2010 and high efficiency (SI12615)							

		1					1.000	
	Total Quantity						1.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						1.000 no	
	Say 1.000 no @ Rs 31500.00 / no						Rs 31500.00	
2	od78924/2023_2024 40.Supplying, installing, testing, and commissioning of INLINEFANS of 1000 cm suitable for installing in any position in vertical of horizontal ducts. The casing shall be double skin, internally acoustically lined and constructed of galvanised steel. The fan shall be DIDW with forwarded curve impeller fitted with maintenance free external rotor motor. The motor shall be suitable for 220.5% volt single phase 50 cycles AC supply & meeting criterion as per ASHRAE standard 90-1-2010 and high efficiency (IS 12615)							
		1				2.0	2.000	
	Total Quantity						2.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						2.000 no	
	Say 2.000 no @ Rs 30500.00 / no						Rs 61000.00	
3	od78925/2023_2024 Supplying, fixing testing, commissioning of extruded aluminum powder coated supply air grills with volume control collar damper							
		1				4.0	4.000	
	Total Quantity						4.000 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						4.000 sqm	
	Say 4.000 sqm @ Rs 12200.00 / sqm						Rs 48800.00	
4	od78926/2023_2024 38.Supply fabrication installation and testing of flexible canvas connection with inletin and duct. The canvas is made out of fire resistant flexible canvas sheet							
		1				3.0	3.000	
	Total Quantity						3.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						3.000 no	
	Say 3.000 no @ Rs 1750.00 / no						Rs 5250.00	
5	od78927/2023_2024 37.Supply installation testing and commissioning of Acoustic duct lining using 12mm thick nitrite rubber installation covered with 26 gams aluminum performed sheet fixed with 2 inch square screwed GI sheet							
		1				30.0	30.000	

	Total Quantity						30.000 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						30.000 sqm	
	Say 30.000 sqm @ Rs 1480.00 / sqm						Rs 44400.00	
6	od78928/2023_2024 36.Supply installation balancing and commission of factory fabricated GSS sheet metal rectangular/round ducting complete with neoprene rubber gaskets, elbows, slitter dampers, vames hungers supports etc as per approved drawings and specification of the thickness of GI sheet is 0.63mm							
		1				93.5	93.500	
	Total Quantity						93.500 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						93.500 sqm	
	Say 93.500 sqm @ Rs 2100.00 / sqm						Rs 196350.00	
SI No	Description	No	L	B	D	CF	Quantity	Remark
7 Q & C								
1	od58050/2024_2025 "CONTENT IN MALAYALAM AND ENGLISH: Based on DPR and illustration derive text content carve data and information of object, it may embellished by many pictograms, diagrams, and illustrations that may be more interest in museum visitor " 							
		1				10.0	10.000	
	Total Quantity						10.000 Day	
	Total Deducted Quantity						0.000 Day	
	Net Total Quantity						10.000 Day	
	Say 10.000 Day @ Rs 7224.53 / Day						Rs 72245.30	
2	od58131/2024_2025 "PANEL DESIGN: Based on the illustration developed display surface with geometry, size, pattern, colour suitable rhythm of museum display " 							
		1				45.0	45.000	
	Total Quantity						45.000 sqm	
	Total Deducted Quantity						0.000 sqm	
	Net Total Quantity						45.000 sqm	
	Say 45.000 sqm @ Rs 1681.35 / sqm						Rs 75660.75	
3	od58162/2024_2025 ILLUSTRATE:As per the DPR collect object literature from local, reference text, metamorphic character, mode of evolution all in full extent of object relate study and in incorporate briefing of text 							
		1				10.0	10.000	

	Total Quantity						10.000 Day	
	Total Deducted Quantity						0.000 Day	
	Net Total Quantity						10.000 Day	
	Say 10.000 Day @ Rs 7157.74 / Day						Rs 71577.40	
4	od58165/2024_2025 FINAL OBJECT DIPLAY & LIGHTING ADJUSTMENT - Based on the available approved illustrations and DPR, object and labels fixed display surface with directions of technologist, technocrats, technician ensure conservation aspect of object and musicological rules & regulations, ensure object holding strength and durability. Re- check and commissioning entire display with all aspect of museum and get approval from nodal agency expert wing. It included all charges of technologist, technocrats, technician, skilled labour and material etc. to complete.							
		1				40.0	40.000	
	Total Quantity						40.000 per sqm	
	Total Deducted Quantity						0.000 per sqm	
	Net Total Quantity						40.000 per sqm	
	Say 40.000 per sqm @ Rs 2499.99 / per sqm						Rs 99999.60	
5	od58219/2024_2025 THEME CREATING WORKS- Based on the available approved illustrations and DPR, object display space analysis and finalized position of object –based on size and shape of object, theme flow, rhythm, uniformity, texture, viewer visibility, lighting effect, conservation aspect of object and musicological norms & regulation (Enclosed space temperature, humidity etc.....) its included all charges of technologist, technocrats, technicians, skilled labours							
		1				40.0	40.000	
	Total Quantity						40.000 per sqm	
	Total Deducted Quantity						0.000 per sqm	
	Net Total Quantity						40.000 per sqm	
	Say 40.000 per sqm @ Rs 2088.75 / per sqm						Rs 83550.00	
SI No	Description	No	L	B	D	CF	Quantity	Remark
Total						10297752.91+Gst		
I Agree to execute the work at Estimate rate /%below/.....%above								

[illegible]

[illegible]

			TB		
REV	DATE	DESCRIPTION	BY	CKD	APPD

CLIENT
DEPT. OF MUSEUM AND ZOO, GOK

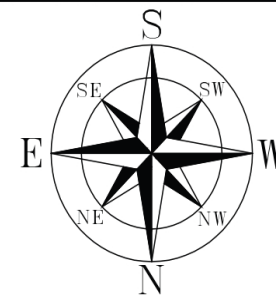
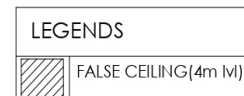
CONSULTANT

KERALAM MUSEUM

PROJECT TITLE
RAVI VARMA MUSEUM,TVM

DRAWING TITLE
INTRODUCTORY GALLERY BASEBOARD SKIRTING

JOB NO:				SCALE	NTS
DRAWING NO:				SHEET NO:	04
DATE	28/07/2021	REV. NO:	00	SHEET SIZE	A3



NOTES	

[illegible][illegible]

			TB		
REV	DATE	DESCRIPTION	BY	CKD	APPD

CLIENT

DEPT. OF MUSEUM AND ZOO, GOK

CONSULTANT

KERALAM MUSEUM

PROJECT TITLE
RAVI VARMA MUSEUM,TVM

DRAWING TITLE
INTRODUCTORY GALLERY CEILING LAYOUT

JOB NO:				SCALE	NTS
DRAWING NO:				SHEET NO:	06
DATE	28/07/2021	REV. NO:	00	SHEET SIZE	A3

