

Limited Tenders published by Keralam Museum on 26.08.2019

Limited Tenders are invited from Empanelled Consultants and Firms of Keralam Museum for the Designing and implementation of Idukki Dam's miniature model and automation in District Heritage Museum, Idukki.

Selected Consultants / Firms for museum allied works can apply.

Details of Tender

Designing and implementation of Idukki Dam's miniature model and automation in District Heritage Museum, Idukki.

Estimate Amount = **2192247** /- +GST

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1.Tender Inviting Notice



KERALAM MUSEUM OF HISTORY & HERITAGE Park View, Thiruvananthapuram-33

(Nodal agency of all museums under Cultural Affairs Dept. Govt. of Kerala)
Website: www.museumkeralam.org | Email: info@museumkeralam.org
Phone: 0471-2320231, +91-9567019037

Limited Tender No: 3/KIM/TENDER/2019-20

26-08-2019

NOTICE INVITING LIMITED TENDER AMONG CONSULTANCY FIRMS/CONSULTANTS

The Executive Director, Keralam museum of history and heritage, Park View, Vikas Bhavan P O, Thiruvananthapuram for and on behalf of the Governing Board of Keralam Museum invites sealed Tenders from the empanelled Consultants /Agencies /Firms of Keralam Museum.

1	Name of work	Designing and implementation of Idukki Dam's miniature model and automation in District Heritage Museum, Idukki.
2	Estimate Amount	2192247+ GST (applicable)
3	Earnest Money Deposit	50000.00/-
4	Tender Document Fee	2500.00/-
5	Period of completion	1 month
6	Classification of bidder	Empanelled firm / consultants /contractors of Keralam Museum.
7	Tender documents	Can be downloaded from the website www.museumkeralam.org
8	Last date and time of Receipt of Tender	05.09.2019 3 PM
9	Date and Time of opening of Tender	05.09.2019 4 PM

CONDITIONS

Tender documents and tender schedule shall be downloaded free of cost from the website www.museumkeralam.org . Cost of tender document and EMD mentioned above should be in the form of separate Demand Draft in favour of **Executive Director Interactive Museum of Cultural History of Kerala, Trivandrum** payable at Trivandrum. Both demand drafts should be enclosed in sealed cover along with tender documents.

The tenders are to be accompanied with a preliminary agreement executed in Kerala stamp paper worth Rs. 200/-. Tenders received without EMD, cost of tender documents and preliminary agreement will not be considered and shall be summarily rejected. Further details can be had from Keralam Museum of History and Heritage Vikas Bhavan. P.O Thiruvananthapuram during working hours. All other existing conditions related to tender (Limited tender) of Kerala will be applicable in this tender also. The Keralam Museum of History and Heritage will not be responsible for any error like missing of schedule dates while downloading by Bidder.

This tender is exclusively for empanelled Consultancy Firm/ Contractor/ Consultant. The bids submitted by other firm/ contractor who were not empanelled will be rejected. The bids shall be submitted in sealed cover through Registered post/ Speed post before time of opening. Late tenders will not be accepted.

Excess over estimate/ below estimate rate shall be allowed by the committees constituted for Museum setting works if necessary.

The bids shall be opened at Keralam Museum office on 05.09.2019, 4 P.M by **Executive Director/ Keralam Museum of History and Heritage Park view Thiruvananthapuram** in the presence of the Bidders/ their representatives who wish to attend at the above address. If the tender opening date happens to be on a holiday or non working day due to any other valid reasons the tender opening process will be done on the next working day at same time and place.

Executive Director

2.Tender Schedule

Name of work - Designing and implementation of Idukki Dam's miniature model and automation in District Heritage Museum, Idukki.

Sl no	Description	Unit	Qty	Rate	Amount
1.	Supply of Glass Resin for creating water body in modern art models.	kg	350	1837.51	643128.50
2.	Supply of Glass resin hardeners & accelerator with fiber colour for creating water body in art model	kg	45	764.53	34403.85
3.	Supply of glass wool for creating modern art forms	kg	320	277.66	88851.20
4.	Supply of Steel square tube for Structure frame for creating miniature art form	kg	380	67.91	25805.80
5.	Supply of Steel rod 8mm for Structure frame for creating miniature art form	Qtl	9.950	5943.73	59140.11
6.	Supply of steel flat for creating miniature structure	Qtl	0.300	5943.73	1783.12
7.	Supply of MS base fitting plates 15mm	no	30	30.56	916.80
8.	Supplying cement for detailing art structure	tonne	3	9252.97	27758.91
9.	Supplying designers asbestos for creating miniature art structure	Sqm	10	749.33	5994.64
10.	Supplying Wax polish for polishing art structure	No	8	1003.09	8024.72
11.	Supplying liquid rubber solution for Art formation	No	5	665.42	3327.10
12.	Turbine structure in mold for automation in miniature structure	LS	LS	60009.40	60009.40
13.	Structure assembly of water tank for automation in miniature structure	LS	LS	32572.50	32572.50
14.	Saw dust , plants and bushes, fevicol , Colours, Digital stickers etc for detailing flora and fauna	LS	LS	83993.62	83993.62
15.	Labour for frame work of structures in miniature art form including artist, artistic labour, assistant	Each	1	169377.00	169377.00
16.	Labour for creating structure of rock, river banks etc, plants and other structures for miniature art form including artist, artistic labour, assistant	Each	1	172634.25	172634.25

17.	Labour for art and carving for miniature art form including artist, artistic labour, And assistant	Each	1	249722.50	249722.50
18	Mechanical automation - Mechanical Automation involves the manufacturing and display and automation of parts involved in an Hydroelectric Project. This will include a standard description of how a power plant works and basic assembly required for the smooth functioning. Requirements of mechanical automation are Power plant, Pen stock pipe, Turbine, Power plant requirements, Generator Material, Substation, Dam measurements (of all equipment's) etc as per requirements of Miniature model	LS	LS	300000.33	300000.33
19.	Water tank and settings as per requirements of Miniature model	LS	LS	4999.88	4999.88
20,	Motor for pipe fittings as per requirements of Miniature model	LS	LS	27800.63	27800.63
21.	Pipe fittings in glass as per requirements of Miniature model.	LS	LS	72001.51	72001.51
22.	Installation and commissioning, mock test of Automation for Model.	LS	LS	120000.35	120000.35
Total					21,92,247

I agree to execute the work at

Estimate rate / _____% below / _____% above

Executive Director

Consultant

Idukki Dam Miniature Concept Note

The story behind the Idukki dam and its making will be displayed as a full-fledged documentary. The Concept behind making the Miniature model of Dam is to give the visitors more understanding about the complexity of the structure, various components and their functions involved in the Idukki Power Project. Challenges in the construction of Idukki power project and associated other dams supporting the power generation is displayed in this miniature model.

The installation is divided into two sections.

Part A: Cheruthoni Dam, Kuravan Mala, and a cross section of the Idukki arch dam. Visitors will cross the Cheruthoni dam and the walk towards a raised platform to get a view from the top. View from the top of Kuravan mala will reveal the scenic beauty of Idukki dam and its surroundings in the miniature model. After crossing Kuravan Mala, visitors reach the huge Arch dam. As they cross over the front view of the dam they see a cross section of the Arch dam and its structural complexity. This cross section will help the visitors to experience the technical intelligence behind the construction of the biggest arch dam in India. While passing by the Cheruthoni Dam, visitors can see the water flow through the Cheruthoni dam structure.

The associate structures near the Cheruthoni Dam, like the Hill view park and other amenities, physical structures will be prepared in the model.

The distance between the Kulamavu dam and Cheruthoni dam has a lot of barren land and it is omitted from the miniature model.

Part B shows the technical aspects involved in the production of electricity. Hence we showcase the Kulamavu dam, its water intake sections and penstocks that carry water towards the turbine in underground. The underground turbine chamber and building sections are shown as a cross section of the area. The underground penstock structure and divisions will be visible for the visitors as they pass by the cross section of the dam model. This penstock will be kept in as way so that people can see the water flowing through the penstock to the turbine.

3.Tender Agreement

APPENDIX
FORM OF AGREEMENT

Preliminary Agreement entered into on this.....dayof.....
.....2016 between.....
.....for and on behalf of the
Government of Kerala (hereinafter called the Government) of the one part and
Sri.....
..... (H.E full name
and address of the Contractor) (hereinafter called

the Contractor) of the other part for the execution of the agreement as well as for the execution of the work

.....
.....

Whereas the Government invited tenders for the work

.....

..... (H.E name of the work) by notification

No.....dated.....in the

.....

Before commencing work or within a week after the date when the acceptance of the tender has been intimated to him, the probable value of contract which together with the amount of earnest money deposited shall be treated as security for the proper fulfillment of the same and shall execute an agreement for the work. If he fails to do this or maintain a specified in rate of progress (to be specified in each case in the tender schedule) the earnest money and security for the deposit shall be forfeited to Keralam Museum, fresh tenders shall be called for or the matter otherwise disposed off. If as a result of such measure due to the default of the tender to pay requisite deposit, sign contracts or take possession of the work any loss to Government results the same will be recovered from him as arrears of revenue, but should it be a saving to government the original contractor shall have no claim whatever to the difference. Recoveries on this or any other account will be made from the sum that may be due to the contractor on this or any other account will be made from the sum that may be due to the contractor on this or any other subsisting contracts or under the revenue recovery act or otherwise the Government may decide.

Now therefore these present witness and it is mutually agreed as follows:-

1. The terms and conditions for the said contract having been stipulated in the said tender form to which the contractor has agreed a copy of which is hereto appended which form part of this agreement it is agreed that the terms and conditions stipulated therein shall bind the parties to this agreement except to the extent to which they abrogated or altered by express terms and conditions herein agreed to and in which respect the express provisions herein shall supersede these of the said tender form.
2. The contractors hereby agree and undertaken to perform and fulfill all the operations and obligations connected with the execution of the said contract work.....
.....(H.E. the name of the work) If awarded in favour of the contractor.
3. If the contractor does not come forward to execute the original agreement after the said work is awarded and selection notice issued in his favour or commits breach of any of the conditions of the contracts as quoted above within the period stipulated them, the government may re-arrange the work

otherwise or get it done departmentally at the risk and cost of the contractor and the loss sustained by the Government can be realized from the contractor under the Revenue Recovery Act as if arrears of land revenue as assessed qualified and fixed by the adjudicating authority consisting of the Principal Secretary, Revenue, Archives Archaeology, Museum & Director, Archaeology/Archives/Museum & Executive Director Keralam Museum any other officer or officers authorized by the government in this behalf taking into consideration the prevailing DSR rates and after giving due notice to the contractor.

4. The contractor further agrees that any found due to the Government under or by virtue of this agreement shall be recoverable from the Consultant /Contractor from his EMD and his properties movable and immovable as arrears of land revenue under the provisions of the revenue recovery act for the time being in force or in any other manner as the Government may deem fit in this regard.
5. "The Contractor further assures that is clearly understood that the settlement of claims either by part bills or by final bills will be made only according to the availability of budget provision and allotment of funds made with the Executive Director, Keralam Museum under the respective heads of account in which the work sanctioned and arranged and also subject to the seniority of such bills. No claims for interest or damages whatsoever shall be made for the belated settlement of claims of bills.

IN WITNESS WHERE OF Sri.....

The contractor has set their hands on the day and year first above written.

Signed by Sri.....

Officer/Officers Keralam Museum in the presence of Witnesses.

1.

2.

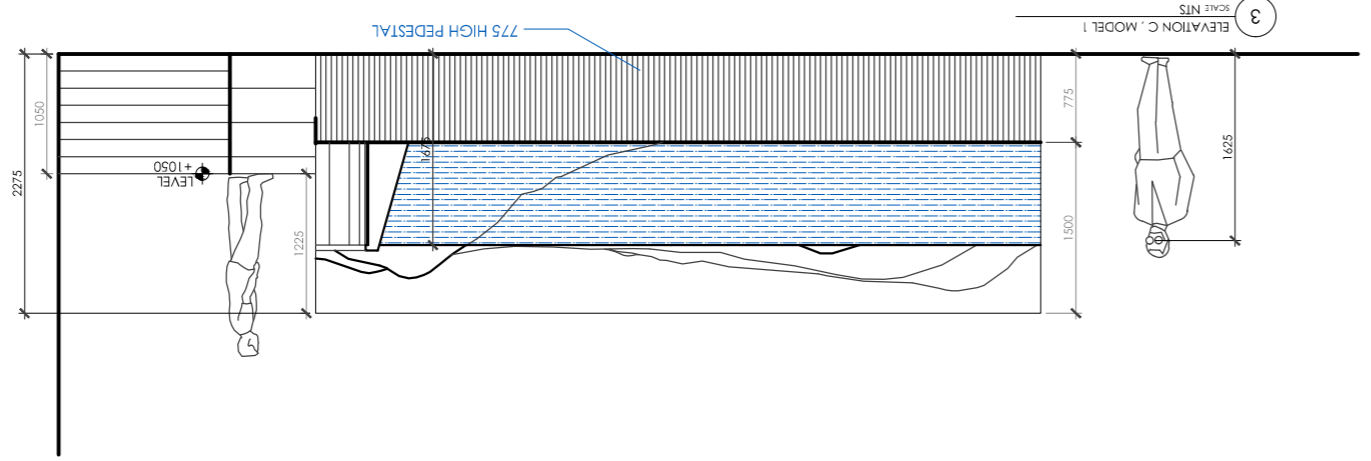
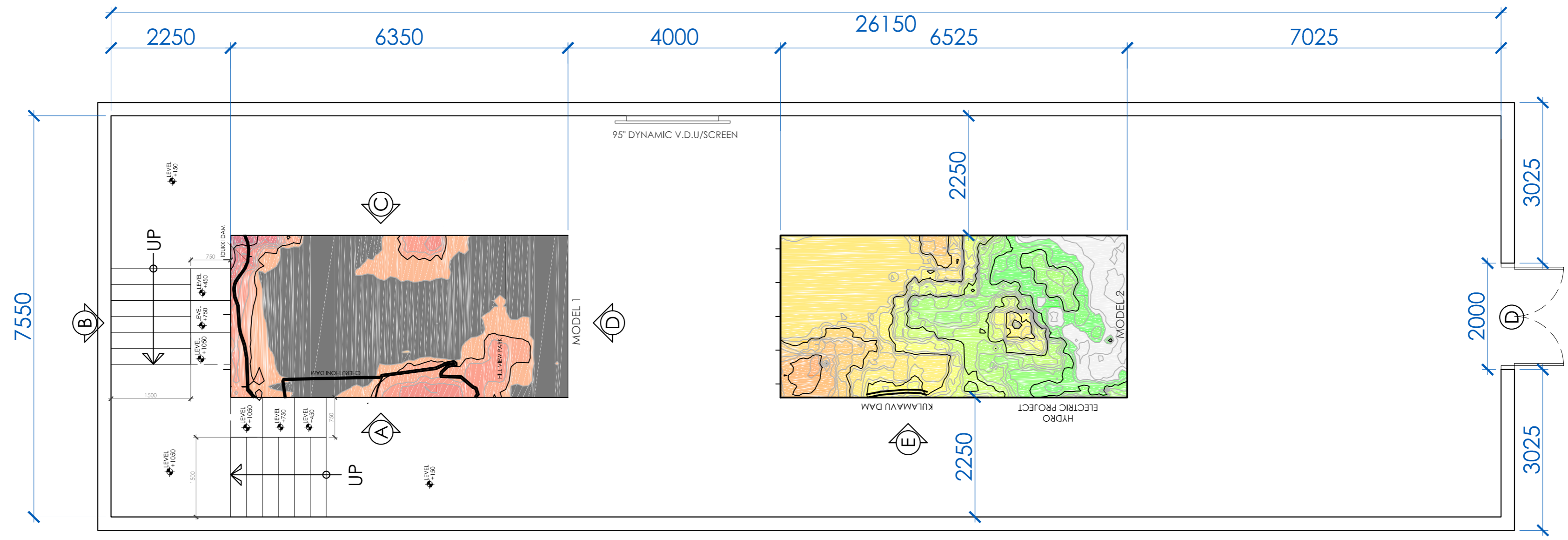
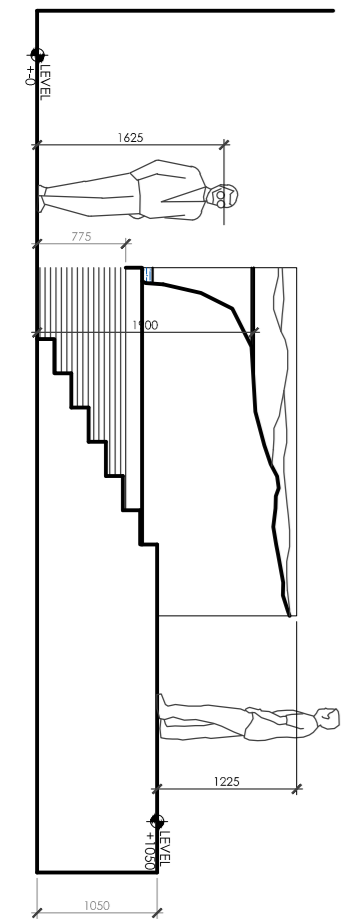
Signed and delivered by Sri.....(the contractor)

In the presence of Witnesses:

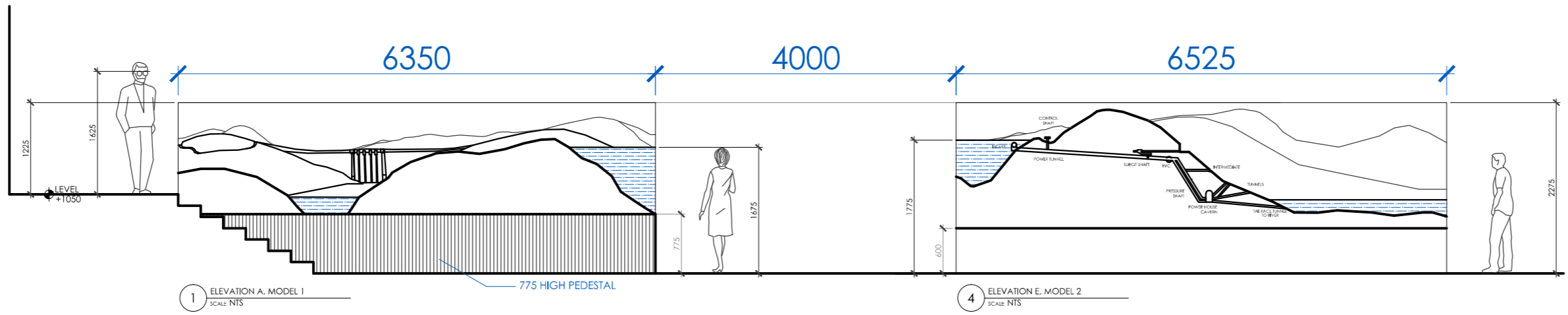
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2 ELEVATION B, MODEL 1
SCALE NTS

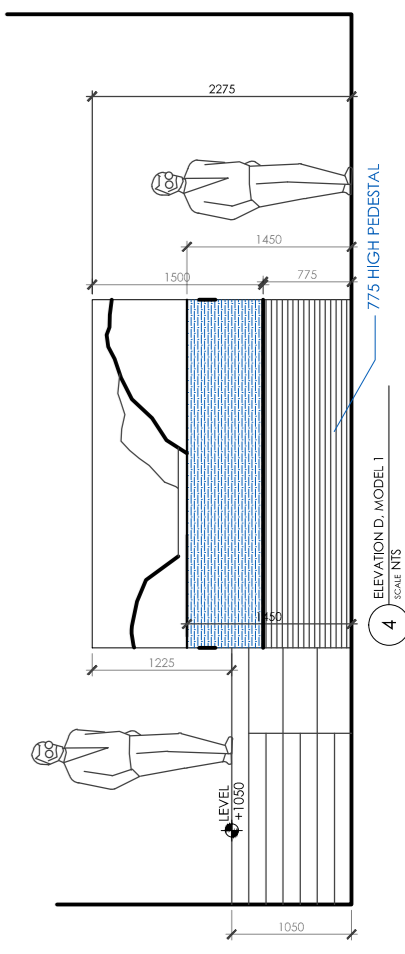


3 ELEVATION C, MODEL 1
SCALE NTS



1 ELEVATION A, MODEL 1
SCALE NTS

4 ELEVATION E, MODEL 2
SCALE NTS



4 ELEVATION D, MODEL 1
SCALE NTS

1 DETAILED PLAN & ELEVATIONS
SCALE NTS