

Ornamental Embellishment Research

(Gujarat and Jaipur Trip)

Radha Vallabha das
and Savyasachi das

"The acquisition of knowledge is always of use to the intellect, because it may thus drive out useless things and retain the good. For nothing can be loved or hated unless it is first known."





from the Head Architect

Designing and research is a concurrent process.

A temple is the house of the 'all attractive' Lord. Superabundance and aesthetics will be reflected in this unique home - as a reflection of the macrocosm.

Each of the various art form is carefully deliberated to amalgamate as one intrinsic canvas.

Designing and research is a concurrent process. While the design stage is still active, the design team conducts a consummate R&D to ensure its success in terms of construction and cost...

... thus steering the vision into reality

Ar. Varsha Sharma
(Vilasini Devi Dasi)

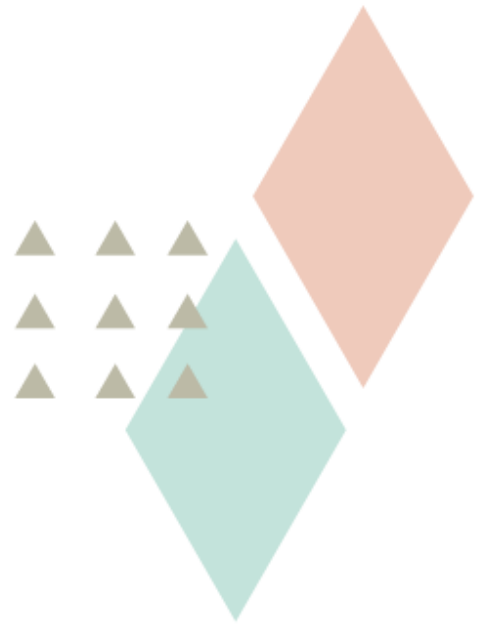
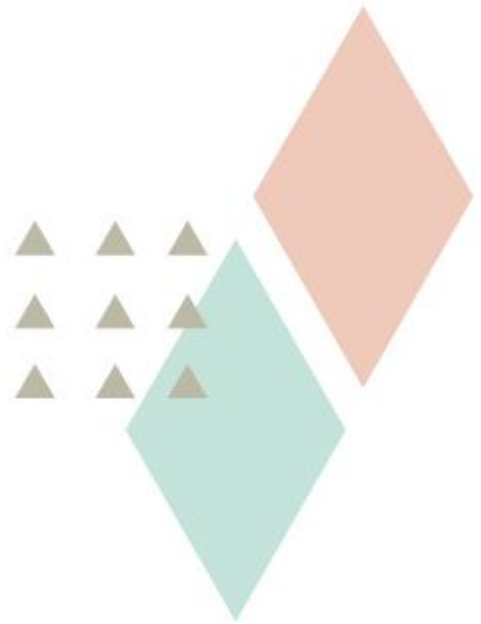


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STUDY Objectives

1 GRC Works



2 GRG Works



3 FRP Works



4 Marble Works



5 Golden Embelishments



Process - FRP



Step 1 - Dome made in FRP



Step 3- Gold Embellishment
(Chemical Metallization
Process)



Step 3- Finished Product

Golden Embellishment



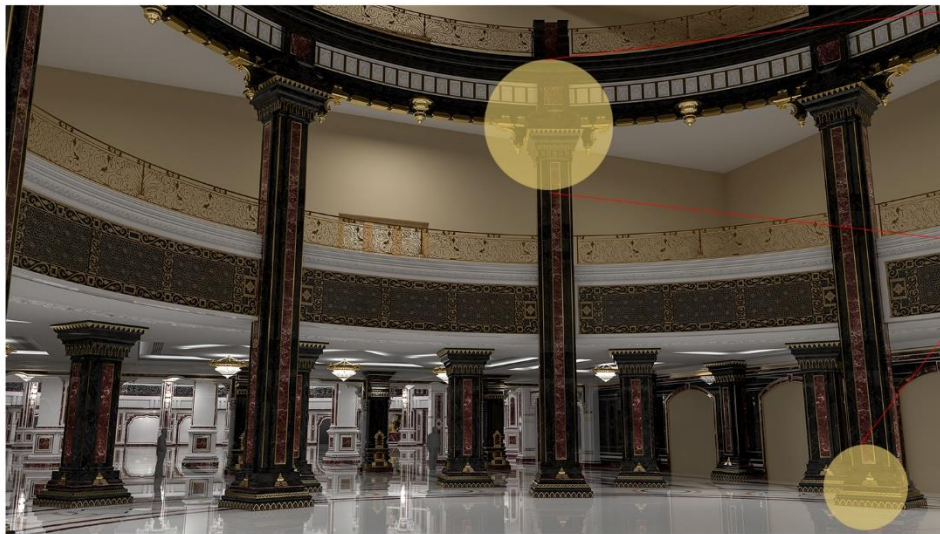
APPLICATIONS AT THE TOVP



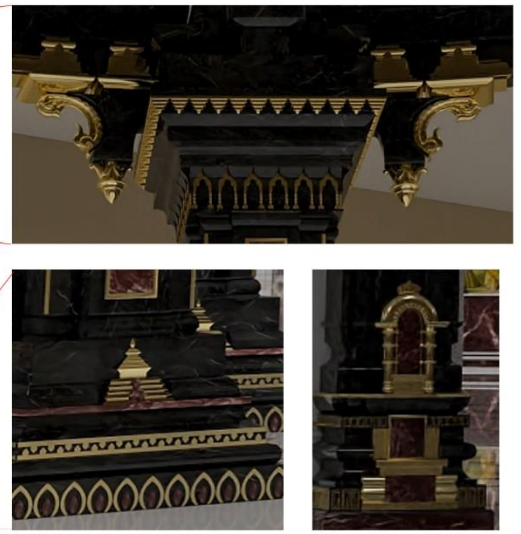
TEMPLE FLOOR PODIUM



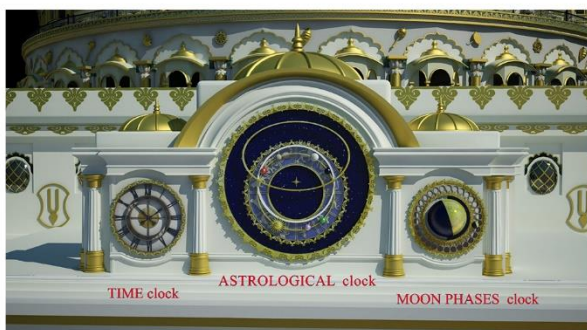
Application of golden embellishment



NARSIMHADEV FLOOR PODIUM



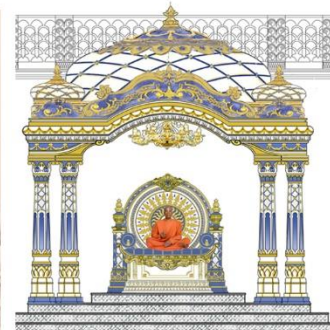
Application of golden embellishment



CLOCK TOWER



LEAVES OF
PALM COLUMNS



S P
VYASASANA

Process - FRP



ADVANTAGES

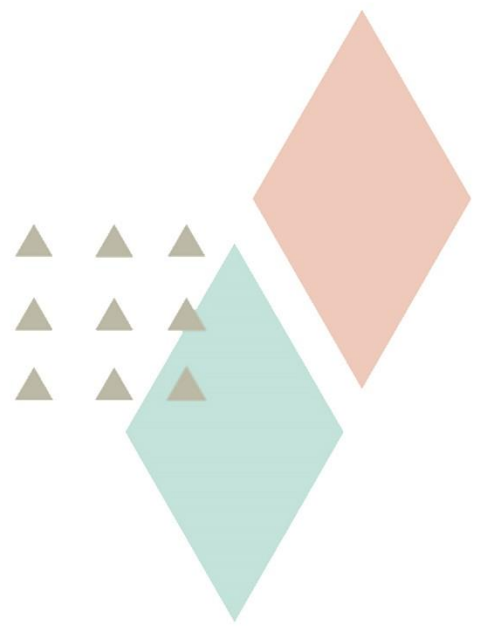
- Long life dimensional accuracy
- Weather resistance
- Fire resistant
- Light weight

EXISTING EXAMPLES- AT SWAMI NARAYAN



APPLICATIONS AT THE TOVP





STUDY Conclusions

GRC Works

Costs difference is 1/5th

Swami Narayan Group- Rs.250/KG

ToVP- Rs.40/ KG

GRG Works

Part of the interior columns can be cast from GRG

Swami Narayan Group- Rs.180/KG

ToVP- Rs.60/ KG

FRP Works

FRP is 3 times lighter than GRC

Marble Works

Organic flooring patterns are more appealing than geometric patterns

Golden Embelishments

Costs difference is 1/5th as compared to gold leafing

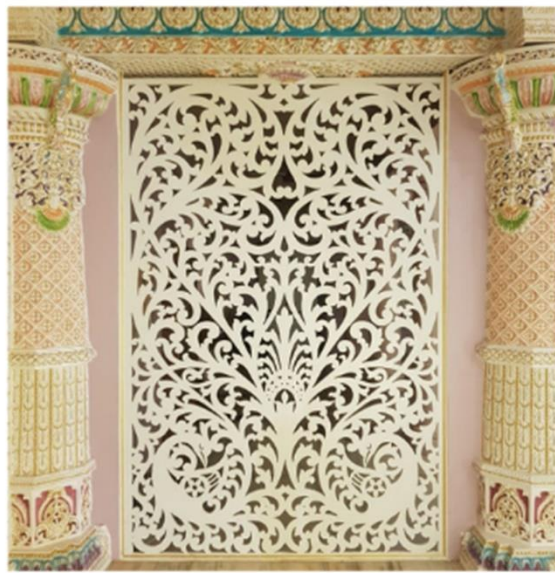


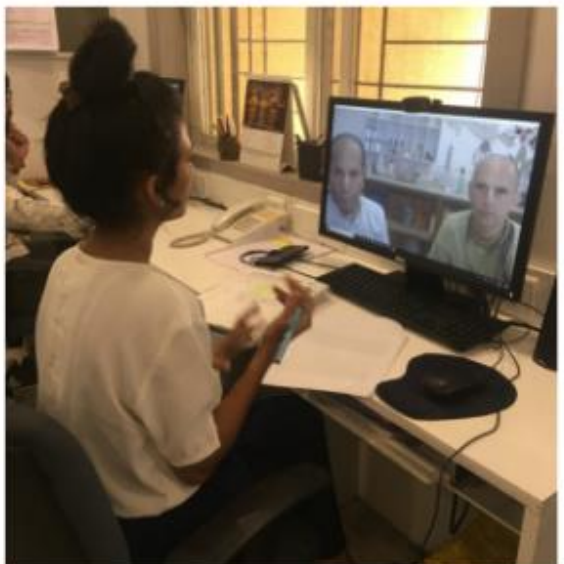
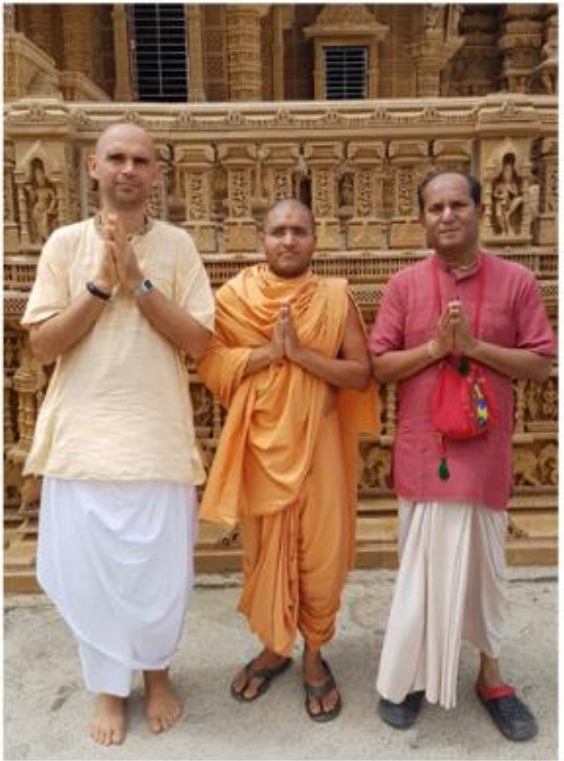
PHOTO GALLERY



ORNAMENTAL EMBELLISHMENT RESEARCH



RADHA VALLABHA DAS



IN CONVERSATION

1. Your experience with the ToVP

It's been seven years working on the ToVP. *It is one of the largest project and one can compare this project to various huge and landmark projects of the world.* The project is gratifying and challenging, whilst a lot to learning on the job for which our previous experiences come very useful. There are a wide range of areas to look at, in this project and various things to work on.

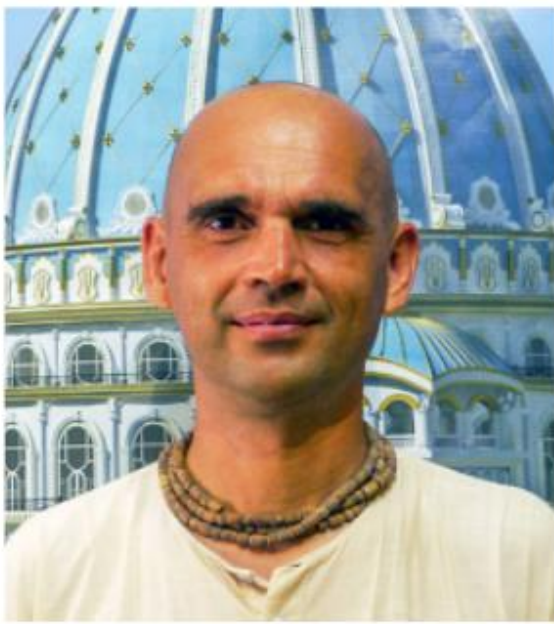
2. Have has our process developed along all the years?

There is a huge difference in the work techniques in here and in the West. Now in India, a lot of development is happening, we are catching up with the new things coming up in the market. In the ToVP we have been introduced to many new machinery which are known worldwide. For e.g. for the GRC and GRG Set up, *we are comparing ourselves with not only the Indian market but also the international Market in term of the equipment's and machines* that we are using. In short, we still have to reach there but are absolutely enwrapping with the updated technologies.

3. How do such site visits help?

A lot of things are learnt, and many useful observations are made. Especially on sites where construction work is going on, there comes a lot of scope for learning. Learning in terms of technology used, different products and ingredients uses, the costs, their process of procurement, the supplies, importing of materials, labour, their employment and working conditions. All of this data is useful back at the ToVP.

For instance, we had a visit at a GRC Factory where we learnt their methods and technology and applied similar techniques for our project. With a very short period of time we noticed it was a success. Which helped us with the amount of production that increased, and also tried to save costs on the materials that we used. *These visits, precisely help us to save money, learn new technology, their methods of production and their Architectural styles.* This in turn helps us to apply all this to the ToVP to upgrade and enhance our work.



SAVYASACHI DAS

IN CONVERSATION

1. Your experience with the ToVP

It's been Six years of working on the ToVP. I am really happy that I was given this responsibility, and the work involved a lot of initiatives and asked to express my views and opinions. This made me work on things I did not get to work on, yet. The ToVP is helping me grow very much as a personality. ***We initiate different activities and different technologies that are involved because of which I am developing myself very much.*** I am very grateful to the team for giving me the chance and having faith in me and my work.



2. How has our process developed along all the years?

In India, there are many opportunities available, different chemicals, raw materials etc. What is required is to find a way of getting these materials to right use. In this way, ***we are using technology to our advantage and have been ahead of various projects.***

3. How do such site visits help?

At these visits, they share their knowledge and technology, to apply to similar projects such as ours. At such Visits, we observed that, their main purpose is to share their knowledge, and experiences, which is why we got a lot of understanding on various aspects such as the techniques of gold embellishments etc. This turns out to be very useful because ***behind every experience there is lot of research, a lot of trials, a lot of mistakes and lot of learnings, because of which we get a ready approach.***



4. How was your experience with the Swami Narayan Group?

They have a centralised system, they have a main swami and he initiates everything. He delegates many important decisions onto another six delegates. They are not based in one place, they travel all around when required, solely on the decision on the head Acharya. For instance, if a temple has to come up in a particular area, a set of their own experts (Design, MEP, and Structural) travel to the designated location and their work is thus systematized.