



## I. Project Need

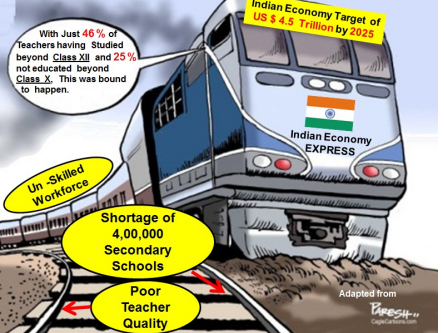
Total Number of Schools in India	Schools Shortage
1.Primary Schools ( Class I – V ) : 8,21,144	↓ - 2,70,580 ↓ - 4,09,462
2.Upper Primary ( Class VI – VIII ) : 5,50,564	
3.Secondary Schools ( Class IX – X ) : 1,41,102	
4.Higher Secondary ( Class XI – XII ) : 1,41,102	

Source : NUEPA Report ( 2011 – 12 )

## Serious Challenges Within India's School System

- School Shortages & Dropout Rates**
  - Acute shortage of 4,00,000 Secondary Schools.
  - Over the last 10 years over 150 Million Children have dropped out at the Upper Primary & Secondary School level ... As there were No Schools to go to.
- Very Low Teacher Quality**
  - Just 46 % of India's 4.7 Million Teachers have studied beyond Class XII and 25 % have not studied beyond Class X
  - Source : NUEPA Report ( 2007 )
  - In Bihar , Just 21 % of Teachers have studied beyond Class X
  - Source : NUEPA Report ( 2007 )
- Fund Shortages**
  - 85 % of Education Budget is spent on Teacher's Salaries. There is very little money left for building New Schools.
  - Social Sector ( Education & Health ) often faces budget cuts
- 150 Million Unskilled Young People**
  - Given this massive demographic challenge, India needs to initiate massive construction projects as the Skill levels required in Construction are lower than the Skill Levels required in Manufacturing. India needs to enter an Era of Mega Construction Projects that can employ tens of millions of unskilled and semi skilled young people by 2018.

## II. Indian Economy ( 2025 ) Forecast



Poor Teacher Quality Likely To be Biggest Cause for Derailing of India growth story By 2025.

## III. Importance Of Teacher Quality

All the Six Rapists of the Dec 2012 Delhi Rape Case came from schools where just 21 % of teachers had studied beyond class X. Poor Teacher quality may therefore be India's largest security threat. After the recent rise in Rape cases, Teacher Quality needs to be monitored by the Prime Ministers Office / Ministry of HRD as a critical security parameter.

Given the above, there is a Need for a BIG Shift in Strategic Thinking which recognizes the consequences of neglecting Teachers who are, our most valuable, National Asset class.

## IV. Education & Welfare ... Strategic Concepts

- The Vivekananda Education Megaproject is based on the thinking that Neglect of Our Teachers over the last century is responsible for most of the problems that India is confronted with today.
- Over the last 100 years, the low priority accorded to the teaching profession has resulted in a situation where the least qualified have been given the most important job in the country ( The responsibility for teaching and moulding our children / the next generation ).
- Re-Establishing the Pre-Eminence of the Teacher in Indian Society : The principal objective of the Vivekananda Megaproject is to reinstate the Teacher to the high position he had in Indian Society for thousands of years. The Megaproject does this by providing the financial resources and an institutional mechanism which ensures that the best minds take up careers in teaching under the aegis of a " **Guru – Bramha National Mission** ". Necessary legislation will be enacted to ensure that no future government can dilute this Strategic National Mission.
- Stanford University Study : A Stanford University Paper by Prof. Eric A. Hanushek ( i.e How Much is a Good Teacher Worth ) has found that a sum of **US \$ 1 Billion** spent on " Good Teachers " has an NPV of **2.55 Trillion** over the following 40 year working lives of the students who have studied under good teachers. This means that money spent on bringing in Good Teachers has a productivity improvement and investment multiplier impact of **2557** times & money spent on bringing in new qualified teachers is the best possible investment any nation can make.
- If India re-attains to an 8.5 % GDP growth rate by June 2017 ... we are going to be a **US \$ 4.5 Trillion** Economy by 2025. Strategic Planning in India therefore needs to move from a **US \$ 2.0 Trillion** Reference Frame ... To a **US \$ 4.5 Trillion** Reference Frame. Such a Strategic Shift will enable Policymakers to Take large Strategic Bets On The Indian Economy
- Creating awareness of National Security issues through expansion of the NCC and the Creation of a Strategic Culture in children will ensure the security of future generations. High priority will be accorded within this Leadership training in the Vivekanand Megaproject.
- The Girl child in every household will be reached to Empower Women who constitute **50 %** of the Electorate.

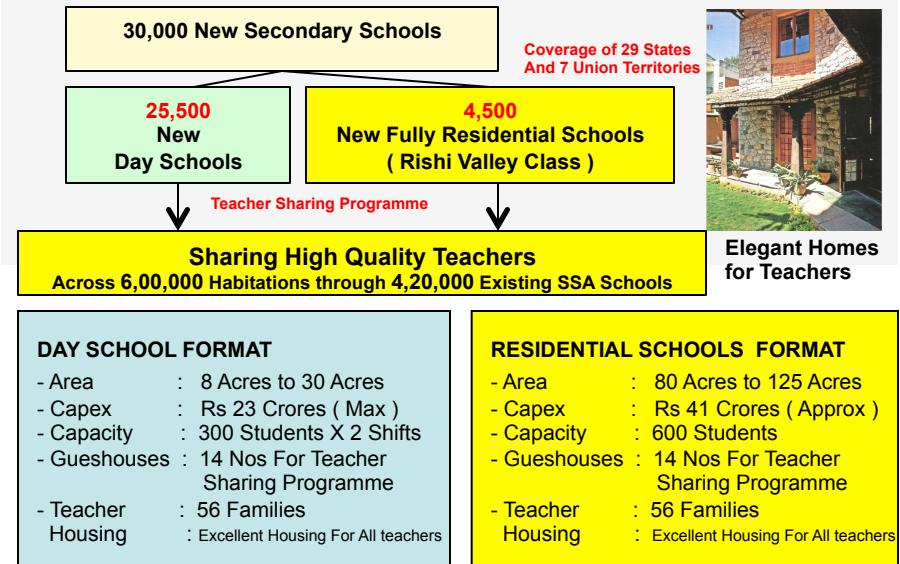
## V. Vivekananda Education Megaproject

- The Vivekananda Education Megaproject is essentially a Large Financing Scheme to help the Government of India to raise Financial Resources on a Massive Scale to allow for Expansion of Secondary School Capacity in the Country. The Scheme will therefore clear any and all budget constraints that today limit the gov't's ability to build more Secondary Schools and recruit 1.75 – 2.0 Million more qualified teachers with better incentives.
- Megaproject thinking is focused on creating the Skills Training infrastructure necessary to sustain a **US \$ 4.5 Trillion** GDP that India will be in 2025. We believe that without this kind of forward thinking pre-investment in Secondary education, the Indian economy will begin to collapse inwards onto itself somewhere around 2020.



### The Planning & Design Lab

- The Project will therefore raise Rs. 8.97 Lakh Crores ( Approx. **US \$ 141 Billion**) over 10 years to finance 85 % of the project cost and construct 30,000 New Secondary Schools & Skills training centers across 29 States & 7 Union Territories. **25,500** of these PPP schools will be Day Schools and **4500** will be Fully Residential Schools of the Rishi Valley Class.





# Education Megaproject Financing

## VI. Megaproject Financing

The Financial structure of the Vivekanand Education Megaproject is similar to the structure which Govt. of India used to finance the construction of the Golden Quadrilateral and the National Highway programme. Though the financial structure is similar, the project has 12 different sources to raise US \$ 141 Billion / Rs 8,96,877 crores over a period of 10 years. A similar, robust structure will also be used to finance yearly operational expenditure. The project needs minimal budgetary support and most of the financing is raised through alternative sources, independent of central & State Budgets. Five of the twelve sources of financing are :

- Project Startup & Upto Phase II Completion, till Q4' 2019 ( Fully Financed )**
1. Committed Yet Unutilized World Bank / ADB Aid : Rs. 90,000 Crores
  2. Private Promoter Funds for 30,000 PPP Schools : Rs. 60,000 Crores
  3. 3 % of Foreign Exchange Reserves : Rs. 60,000 Crores
  4. Caliberated disinvestment in PSU's : Rs. 90,000 Crores
  5. Potential Urban Equity Withdrawal From PSU Land : Rs 2,40,000 Crores



30,000 New & Elegant , World Class School Campuses @ Rs 850/ Sq. Ft.



## VII. Education Megaproject ... Execution / Construction Schedule ( Tentative )

Phase	Scope	No. Of Assisted SSA Schools & Students	Commissioning Schedule	Approx Cost ( Rs Crores )	Benefits / Remarks
<b>Financial Efficiency Improvement Project</b>	All India	8,21,144 Schools & 192 Million Students across India	Q3 2015 – Q3 , 2016	One time Capital Expenditure of Rs 4 Crores.  Improvement in learning outcomes for 192 million children & 4.7 million teachers Across India	Project will save Rs 1635 Crores in Interest costs & Bring about a Huge Increase in Operating Efficiency & Learning Outcomes in Approx 8.2 Lakh schools across 29 states and 7 Union Territories
* SSA : Sarva Shiksha Abhiyaan					
<b>Phase I Pilot Phase</b>	Construction of 72 New "Teacher Centric " Hub Schools under PPP in 29 states and 7 Union Territories	1008 SSA * Schools and 3.02 ** Lakh students within these SSA schools	Q1 2016 – Q4, 2017	Capex : Rs 2,140 Crores  Yearly Opex : Rs 489.20 Crores	Superior Secondary Education Inputs to 3.45 Lakh Children at the lowest possible Opex of Rs 14,155 / Child / Year
			SSA Schools To Benefit From Teacher Sharing		
<b>Phase II</b>	5564 New Backward District & Taluka Schools under PPP	77896 SSA Schools & 23.36 Million Children within them	Q 2 2018- Q 4 2019	Capex : Rs 1,66,565 Crs  Yearly Opex : Rs 37,914 Crs	26.70 Million Children benefited with high quality Secondary Education at a cost of Rs 14,196 / Child / Year  Opex as well as number of children is cumulative
<b>Phase III</b>	16,692 New Hub Schools under PPP with Three distributed around Each Taluka	2,33,688 SSA * Schools & 70.10 Million Children within them	Q1 2020 – Q4 2021	Capex : Rs 4,99,547 Crs  Yearly Opex : Rs 1,13,727 Crs	80.12 Million Children benefited with high quality Secondary Education at a cost of Rs 14,194 / Child / Year
<b>Phase IV</b>	7,672 New Hub Schools under PPP at the Village Cluster Level .	1,07,408 SSA Schools & 32.22 Million Children within them	Q1 2022 - Q4 2023	Capex : Rs. 2,29,594 Crs  Yearly Opex : Rs 52,270 Crs	36.82 Million Children benefited with high quality Secondary Education at a cost of Rs 14,194 / Child / Year
** Assuming Average School Strengths of 300 students per SSA school					

The Planning & Design Lab would like to thank the following senior individuals for their contributions to the development of the project Their ideas have greatly improved the Vivekananda Education Megaproject .

1. Dr. Vijayam Ravi ( Fmr. Principal, Singhania School, Thane )
2. Shri IL Budhiraja ( Project Mentor )
3. Dr. Urjit Patel ( Dy. Governor , Reserve Bank Of India )
4. Lt. Gen Vijay Oberoi, ( Former Vice Chief Of Army Staff )
5. Mr. RL Kumar ( Architect )
6. Dr. Guruswamy Srikanth ( IT Expert )
7. Mr. S Natarajan ( Master Gazetted ), Former Head of Academics , Military School Bangalore & Trustee, Nataraja Foundation

# The Vivekananda Education Megaproject



**PROJECT GUIDING PRINCIPLE**

" Education is the manifestation of the perfection already in man. Knowledge is inherent in man, no knowledge comes from outside, it is all inside ". Within man is all knowledge , and it requires only an awakening, and that much is the work of a teacher ."

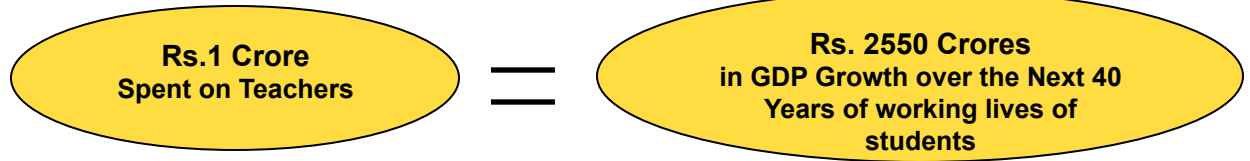
## Concept Of Teacher Centricity

Neglect of teachers has been the cause of most of India's problems. The Vivekanand Education Megaproject seeks to bring the best minds back to careers in teaching, with the objective of Propelling India, once again to Global leadership.



The Planning & Design Lab

## " Guru Bramha " Concept



## INVESTMENT MULTIPLIERS OF THE VIVEKANAND SECONDARY EDUCATION MEGAPROJECT

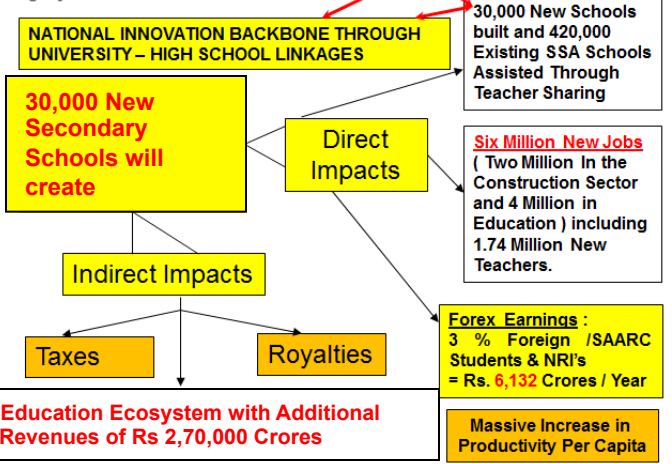


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## Economic Stimulus Impacts of Education Megaproject



Innovation Hub



**Domestic Benefits**

1. Investment Multiplier : Rs. 27 Lakh Crores
2. Creation of large skilled workforce
3. Better Law & Order and Sanitation



**Creation Of A Powerful National Education & Innovation Ecosystem**



**Export Benefits**  
Teacher Outsourcing/ Services Export Venture with Revenues of Rs. 25,200 Crores/ Year

**EDUCATION MEGAPROJECT WILL PROVIDE MASSIVE STIMULUS TO THE INDIAN ECONOMY**