

Mr. P K Bishnoi  
Chairman cum Managing Director,  
Visakhapatnam Steel Plant

Thank you HCL, My friend Ganesh Mahadevan - Director General Naval Projects and all the invited great Indian minds, let me first of all say how much I admire the documentary film shown by HCL and abjuration is because I'm always fascinated by fire and the documentary was fire setting. Fire, has got energy, colour, sound, movement. It purifies, destroys and than what I like about the documentary was the whole Indian music theme...it was all about India and the Indian mind, we rarely see such documentary which are totally ...and I thought it was a beautiful documentary. I must thank you Mr. Ajai Chowdhry for inviting me in the hcl mind conclave this evening, this is one of the most noble initiatives that I could think of, to share our thoughts on great Indian mind and to feel proud of our nation.

The world conclave literally means the secret or confidential meeting place but, over the years in common parts it became a meeting of family members or associates.. Today in this form a family of like minded people I will try to share my thoughts on prowess of Indian mind and its contribution to our planet. I'm not really going to talk so much about myself... I'm trying to tell you about my thoughts about the Indian mind. May be with a different perspective from what Mr... spoke about. The great Indian mind is known and acknowledged from times immemorial... the learning's from Geeta are still the guiding principles. In difficult situation many leaders in all forms of life use it for solving the complex issues even today. Isn't that?

Mind from the age of Upanishads is synonyms with wisdom. Consciousness and...the Upanishads are highly enriched source of Indian thoughts which sharpens our ideas to achieve the spiritual satisfaction, wisdom and materialistic aids.... these qualities empower one to discover truth. The term Upanishads literally means sitting near or sitting close to ...Upanishads give insight to the working of our mind and help us to achieve enlightenment or to simply .....the essence of Upanishad is nothing but Vedanta. That is why Upanishads come at the end of the Vedanta and are also called the scriptures of Vedanta. I'd like to ask... how many of you have time to read that I suggest do and see how much enrichment you get out of that you'll see.

Right from the age of Vedas to the present nano technological age Indian mind has been guided by the philosophy of Vedanta or Upanishad. Every person goes through the series of experiences in order to be an effective member of the society. The basic skills of inbuilt perception....individual are of on those foundations of spiritualism and materialism, thus the qualities of Indian mind are highly diversified, and it's enlightened. It's industrialist, it's sentimental, it's conventional, it's adventures, it's practical, religious, tolerant and as... said we don't go and conquer.

These Qualities of Indian mind can beautifully be summed up in one sentence using the words of Gurudev Rabindranath Tagore "oneness amongst men...this has been the core religion of India" Indian has been a witness to so many civilizations staring from valley of civilization to grato human civilization,...civilization to moral...to British rule and to Indian freedom struggle. Today India is a cross....a modern India of 2020 vision. All through these civilizations Indian mind with its tolerant attitude has adopted many thoughts...and shown that superiority in all... of life... be it science ,technology or any art form. Where the concept of universities was still unknown to the world..my friend mahadeven talked about akshilla 500 yrs ago...60 subjects,10500 ppl in their,,,,but what was

the key that I had from takshilla is that I had another from market and ...proof..of Indian tolerance towards religion and towards all religion and towards all nationalities. No visa or permit was required to study and take back the knowledge to their country. Same tradition was followed later when nalanda was set up many centuries later.

India's historical records suggest that many of the greatest Indian minds were more than ...philosophical paradigms that were grounded in reality.. there are concerned dedication to the scientific matter, it had to develop the principal for the ,,and inductive ,,from 1000 bc to 4 century ad is also described as India's rationalistic period.. Creative in astronomy mathematics, logic, and medicine and linguistic were produced...the philosophers of the shankkshya school an early Jainism, Buddhist scholars made substantial contribution to the growth of science and learning. In particular the rational period produce some of the most fascinating scenes of the

How does one separate our sensational...from dreams and destinations. When does an observation of reality become accepted as fact and has scientific truth. How the principles of inductive and inductive...should developed and applied. How does one evaluate a hypnotises for the scientific melt. Why is it valid in what conspectus the scientific proof these are questions to attract an it was the rational that led to the of Indian civilisation Greek scientist and philosopher of the period. Pythagorus that is 16th century bc was familiar with Upanishads and learned this basic geometry from the sukva sutreas is actually a restatement of and recorded by earlier Indian mathematicians. Later Herodotus the father of the Greek history was to write that the Indians were the greatest of their age, medicine who travelled extensively through India in 4<sup>th</sup> century BC also left extensive accounts that paint India in highly favourable light. Intellectual contacts between ancient Greeks and India were quite significant. Scientific changes between these and India is mutually beneficial and helped the development of sciences in both nations. By 6<sup>th</sup> century ad with help of ancient Greek and Asian and through their own integrity Indian astronomers made significant discoveries about measuring motion. The Indian astronomer Aryabhata you all know was the first to describe that the he earth is sphere that rotated on its own axis, he further poslated that it was the around the sun and described how solar and lunar eclipse occurred because astronomy requires extremely critical mathematical equations. Ancient Indians also made significant advancements ,,differential equations, the basis of modern .....Indian mathematician were also the first to invent the concept of abstract infinite numbers. Numbers that can only be represented through abstract mathematical foundations such as infinite series eventually got up. They have also seen in that ...equations essential in advanced astronomy and was a..of the modern numeral system referred to the use of decimal system and the concept of zero gift to the world by Indian mind was essential and facilitated lagre astronomical calculations and allowed such 7<sup>th</sup> century mathematicians such as Brahman Gupta to estimate the circumference at about 23000 miles.

Not too far of it also added Indian astronomers to provide longitudes the science of aloe Vera also blossomed in this period. Medical practitioners took up the dissection of copses. practise surgeon, develop popular nutritional diets for medical procedures and patient care, chemical processes associated with the dying of textiles and extraction of ....was studied in extraction of metals were studied and... the use of in metal extraction and fortification was discovered and known to India.

The scientific echo also had limited impact on the art and nature, critic and sculpture flourished as there were advances in social infrastructure. the universities were set up like dometries and in

addition to child and son the roads were build with best part... shade trees were planted in the national highways so as to facilitate travel and trade Indians rational age was thus a period of tremendous intellectual firming .it was a period of scientific discovery and technological innovation

The rational period thus saw progress in several fronts and during the ancient civilization matured it also had its impact on of other civilization. In fact India's rational period served as a vital in the long and varied chain of human processes. Although the Canadian history has attempted to accepted the collective heritage of the planet exclusively euro centric. it is important to know that although fundamental and important discoveries n science and technology has come from many different parts of globe and different times and stages of that civilization. Indian made a significant contribution in this regard and true reflection of magnificence of Indian mind. The Upanishads period also stands testimony to the greatest of Indian minds. The philosophical advanced of Upanishads period was that the religion was transformed from the ... of bookish and providences.

The Upanishad philosopher did not lay down, but as seductive. Sometimes displaying remarkable vertical side and analytical skill by attempting to draw analogies from nature and by employing the methods of abstract reasoning they created an environment where analytical thinking and intellectual exchanges....the early school of vashishka served as important portions for promotion of knowledge and development of Indian mind. The school articulated the general methodology of acquiring value knowledge,, proposition, udeshya,, the exorinment of the... facts obtained through perception and finally examination and verification. Pariksha and the process involved example ,,,,logical arguments, avanya, reasoning,, tarka, a discussion a true intellectual exchange a successful application of this method resulted in sidhanta i.e established principal. Brought in the case of mathematics, a theorem of theory. Elucidated through proofs, praman, and the school that promoted logical and intellectual debate.... turning culture that has. The Greek and Rome, the competitors of the mind India used only ten to the power six as a largest number where as Indians have used numbers as big as importantly ten to the ten 10 to the power 53 as 5000 BC during Vedic period. Today the largest number of use I understand is a terabyte. So you can compare it with 10 to the power 53 that existed and Indians used at that time. These are some examples of mind India though tolerance, gentleness of mind, instructive soul serching, understanding spirit, unified passion for like facilitated transfer of innovation and knowledge from one generation to other. A healthy community bond, a strong guru shishya relationship, a powerful self governance system also helped in propagating and preserving knowledge. Testing situations like world invasion or other....could not return to our well cherished and highest quality of mind India.

What made the change? The Indian mind has always been recognised with high esteem and eleven century's Spanish scholar once said among the nations during the course of centuries and throughout the passage of time India is known as the mind of wisdom and fountain head of justice and Indians are ...with excellent intellect, ideas, universal maxim, rare inventions and wonderful talent. With such a progressive past it would be hard to believe why India has not emerged more successfully.

Today to a great extend means and the level of education and I feel the British rule in 17<sup>th</sup> and 18<sup>th</sup> century worked towards destroying the Indian society started to from its age old value systems which British were asking of rural economy and religious tolerance the value system in the society has reached . Fortunately for a country Mahatma Gandhi emerged as a saviour. Pandit Jawahar Lal

Nehru through his trust on socialism helped to rebuild the Indian society brick by brick following the...of universal and democracy yes there are brain drain of India I am happy that HCL has been concentrating and 80%-90% business is through India. It was a surprise to me. Today almost 30 % of medical professionals round the U.S and around 60% of software professionals round the world are Indians. This substantiates how western culture is the Indian mind and several Indian minds.. and how Indian minds are shining the Indian business and technical schools have attained an ...position globally. These include the IIT's , IIM's, law schools learning, sector for information and technology, R&D institutions and fashion design institutions etc. all of them have excellence recognised all over the world.

Harvard has recently set up a research centre in India. The reason behind Harvard taking interest in India is explained by J lite dean of Harvard he said, to quote "To understand the global economy you need to understand what's happening in Mumbai, New York London and Tokyo" the evolution of Indian mind has therefore its root in the ancient past and is built on a strong foundation of reasoning and it is our bounded duty to ensure that the uniqueness o the Indian minds continues to be pride and wealth to this great nation. Indian is in a state to emerge as an economic powerhouse and if the predictions are true rest of the globe's economy will shortly source the information from India. That is expected...before we... quality and mind. India is changing to become a land of opportunities, industry growth as well as economic progress only substantiates this truth. This change is of great significance... recognises the Indian mind which in the past has the countries other than India. The current conclusive... environment in our fourth Indian return to their country and statistics of various it is time that we nurture the change and foster this to ensure that the talent gets groomed ...to take this country I recall the past emphasis laid by our president Dr. A.P.J kalam who has always stressed the importance of education in developing young minds to ..them confidence and wok in freedom... develop liberty to make choice and equip one to the determination...to succeed education imparts the important trait and to magnify and education oneself as Indian economy is becoming globally competitive the demand for Indian minds with such skills is going to increase and it is therefore foremost important that we focus and ensure quality ...in the society. India is also rapidly becoming a global research hub and worldwide companies have started recognising Indian mind minds uniqueness

This truly is a great tribute and in the years to come this is bound to come days are not far when one will witness millions of scientists in sophisticated solutions of India, benefit of the society and the nation. A testimony to mind India is several Indians through our...world including but not limited to airlines, telecom, banks, universities, colleges, management thinkers, writers, poets, painters, consultants and jurists. There is too little time for me to mention as the list indeed id very long but you know them all and there will be many more to add in this list as you go on. In the end I conclude with powerful thoughts of Dr. Kalam" "As a young citizen of India, armed with technology, knowledge and love for my nation, I realise, small aim is a crime. I will work and sweat for a great vision, the vision of transforming India into a developed nation, powered by economic strength with value system".

Once again I thank the organisers for this beautiful conclave on Indian mind and giving me an opportunity to share my thoughts on the same.