

Jarnail Singh

Telephone: 9868216710, 91-11-45669365 **emails:** jarnail65@gmail.com
ceo@project-appraisal.com, jarnailsingh@project-appraisal.com,

Educational Qualifications:

- Bachelor of Engineering (Honours), Punjab University
- Master of Engineering (Distinction), Punjab University
- Master of Public Administration, Harvard University USA

Positions held:

- | | |
|--|----------------------------|
| ➤ Chief Executive Officer , Project Appraisal Consultants LLP | Oct 16th 2012 to till date |
| ➤ Secretary to Government of India | July 2008 to Jan. 2009 |
| • Secretary (Border management) | July 2008 to Jan. 2009 |
| • Secretary (Ministry of Development of North East Region) | Feb. 2009 to Sep. 2009 |
| ➤ Chief Secretary , Government of Manipur | Aug. 2004 to Jun 2008 |
| ➤ Joint Secretary to Prime Minister of India | Aug. 1996 to July 2004 |
| ➤ Principal Secretary/ Commissioner , Government of Manipur | June 1986 to Aug 1996 |
| ➤ Deputy Secretary , Ministry of Power, Government of India | Jan. 1982 to May 1986 |
| ➤ Deputy Commissioner , Ukhrul, Government of Manipur | Aug. 1979 to Dec. 1981 |

CEO of Project Appraisal Consultants:

Project Appraisal Consultants [PAC] for providing consultancy in project appraisal and for conducting training programmes in 'Project Appraisal, Risk Analysis and Risk Management'. During the last four years from October 2013 till February 2017 PAC has conducted eight training programmes which have been attended by 277 persons from 65 organizations. The project appraisal techniques which are taught in these programmes are the latest which are being taught in leading Universities such as Harvard, Duke etc., and are accepted by National and International funding agencies like World Bank, Asian development Bank. These cover the followings.

- Alternate investment criteria[Net Present Value(NPV), Benefit Cost (B/C) Ratio Internal Rate of Return (IRR) Payback Period Method, cost effective methods]
- Owner / lenders / Government budget / Economy perspectives
- Scale and incremental analysis to select optimum size of investment or project.
- Timing of Investment to decide optimum time to undertake investment.
- All effects of inflation on project viability
- Distributive Analysis and Social Appraisal
- Differences between Financial and Economic appraisal.
- Integration of externalities including environmental externalities in project appraisal
- Sensitivity Analysis and identification of Risk Variables
- Scenario Analysis by use of Scenario Manager and Toggle [in Excel]
- Risk Premium and its Estimation
- Risk Analysis by use of Monte Carlo simulation [By use of Crystal Ball Decision Optimizer software of Oracle]
- Quantification of Risks of different stake holders.
- Development of efficient Risk Management options for different stake holders.
- Risk Management in PPP projects and development of contracts

The participants in these programmes have been from IAS, State Civil Services, State Planning Services, State Finance services, Indian and State Forest Services, Engineering Services from states such as Tamil Nadu, Kerala, Madhya Pradesh, UP, Delhi, Assam, Meghalaya, Manipur, Nagaland, Sikkim, Bihar, Punjab, Uttrakhand etc., central sector Public Sector Undertakings such as NABARD, IDBI, Banks, IIFCL, Director General of Hydrocarbons, ONGC, OVL, POWERGRID, Rural Electrification Corporation [REC], Indian Tobacco Board, SAIL, NHPC, NEEPCO, North Eastern

Council [NEC], MECON, Coal India Limited [CIL], Port Authorities, GAIL, HPCL etc., Planning Commission, State sector PSUs such as PICUP, Investment Companies, Power Transmission and Distribution Companies etc., National Institute of Financial Management [NIFM],

Teaching:

Top scorer in Harvard University in two courses “Appraisal of Development Expenditure” and “Macro Economic Theory & Policy” in 1988-89 during MPA programme. Attended Harvard University from September, 1992 to August 1993 and worked as ‘Teaching Assistant’ for the following programmes in the academic year 1992-93 at Kennedy School of Government, Harvard University for Graduate classes: -

- Project Investment Analysis & Management (Appraisal of Development Expenditure).
- Local and State Public Finances.
- Public Finance in developing countries.
- Applied Economic Analysis.

Program in Investment Appraisal and Management [PIAM]:

Member of the Team of the then Harvard Institute of International Development [HIID] of Harvard University which taught the “Program in Investment Appraisal and Management” also called “PIAM” in June – August, 1993.

Appraisal of Projects:

*Appraised projects on behalf of Harvard Institute of International Development [HIID] in 1992-93 relating to Plantation and Pulp Production Project in Indonesia

*Scrutinized the viability of Revised cost estimate of Thoubal Multipurpose Project in Manipur [Irrigation, flood control, power and water supply] costing rupees 17.72 billion [rupees 1772.40 crores] after integration of Grater Imphal water supply Project costing rupees 3845.50 Million project in September 2012, before investment approval.

Since 1990, have scrutinized the appraisal of more than 100 projects at decision making levels from different sectors such as Power Generation Projects [Hydro, Coal based and Gas based], Power Transmission Projects, Irrigation Projects, Multipurpose projects, Flood Control Projects, Water Supply schemes, Railway projects, Petroleum Exploration, Refinery projects, Natural Gas projects, Road Sector Projects, Industrial projects, Food Parks etc., during my service in Manipur State and in Government of India.

Works Handled in Prime Minister’s Office [Aug.1996 to July 2004]

In Prime Minister’s office, I handled works relating to Ministries / Departments relating to Infrastructure such as Ministries of Power, Petroleum and natural Gas, Coal and Mining, Railways, Civil Aviation, Ports and Shipping, Road Transport and Highways, Tele-communication etc. In addition I also handled works relating to Ministry of Home Affairs, States of Jammu and Kashmir, NE states and states of Kerala, Tamil Nadu, Karnataka and Andhra Pradesh. It was during these eight years that major initiatives were taken in the PMO for opening up of these infrastructure sectors.

Prime Minister’s Award for Excellence in Public Administration for the year 2007-08:

PM’s Award was given for the initiative which I took and implemented in Manipur in the years 2006-07 and 2007-08 when I was the Chief Secretary, Government of Manipur. This initiative includes Computerization of Personnel Information System (CPIS) and the enactment of a legal frame work through a new Act called the Manipur Public Servants Personal Liability (MPSPL) Act 2006. These two components of this initiative, were initiated, developed and implemented by me, with a team of officers of the Departments of Finance, Personnel and of National Informatics Centre (Manipur Branch).