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MONARCHY OF CONCORDIA: A GLOBALIZED SOCIETY ON MAINTAINING PEACE AND HARMONY IN THE WORLD BY CONTROLLING HUMAN NOISE BEHAVIOR

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Abstract:

Monarchy of Concordia is a globalized society with objective of maintaining peace and harmony in the world by controlling human noise behavior. The Monarchy of Concordia has motto of “Controlling Human Noise Behavior” with guiding principles of energy perspectives in a society. This paper is focusing on socio-economic and ergonomics aspects of monitoring and controlling human noise behavior by establishing sovereign political power of Monarchy of Concordia. Noise is defined as a sensation of unwanted intensity of a wave. It is perception of a pollutant and a type of environmental stressor. The unwanted intensity of a wave is a propagation of noise due to transmission of energy source waves (viz. physical agents) such as sun, light, sound, heat, electricity, fluid and fire. Human Noise Behavior is checked by identifying a source and a sink of noise i.e. a person making noise and a person affected by such noise. The whole data of correspondences, court/public notices and presentations by the author is deposited on a public repository.

Keywords:

monarchy of Concordia; political power; human noise behavior; globalized society; energy

JEL Classification: P37, Q53, Q56

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1. Introduction

Energy conservation always occurs according to the first law of thermodynamics. Therefore energy flows through every energy system with its flow rate of power. The components of energy system are used in production to generate desired products and services through an energy conversion process. In keeping building warm heat must be supplied by an air-conditioned energy system. There is energy consumption in keeping building warm at thermal comfort levels because escaped heat from the building structure cannot be used again. The energy system components do not alter the energy flowing through it except in cases where the energy might escape from parts of the system such as flue gas losses or electrical transmission line losses in which electrical energy is converted to heat. Electrical energy from a thermodynamic energy perspective is equivalent to work whereas a fuel of energy process used in combustion provides heat.

The energy cost of utilizing a quantum of energy depends on operating costs and investment costs. In addition there are environmental and other costs which usually are more difficult to quantify. Almost all energy system construction and operating costs modify the environment usually in the form of pollution, some of which could result in undesirable climate changes and also have significant social changes. Nearly all activities of life involve usage of energy conversion processes. These energy conversion processes generate noise in the form of unwanted intensity of energy source waves (viz., physical agents) of sun, light, sound, heat, fluid, electricity and fire based on a unified theory for stresses and oscillations as proposed by Dehra in his numerous publications (Dehra 2007-Dehra 2019). These energy source waves are classified as wanted physical agents and unwanted physical agents (Dehra 2018a-c, Dehra 2019a-f). Wanted physical agents are analyzed in the field of acoustics and unwanted physical agents (as environmental stressors) are classified as noise, which are removed from the energy system by proper conditioning and filtering (Dehra 2019a-f). It is therefore important to analyze the impact of the complete system in assessment of noise. The value to the consumer or end user is defined by energy use and its conversion to noise.

The increase in energy consumption is assumed to represent an improvement in well-being. However increased quantities of goods and services from energy processes generate more noise in the society. These unwanted physical agents of noise are detrimental to the health; therefore concurrent improvement in well-being is dependent on removal of these unwanted physical agents. We are living in a society totally dependent on sources of energy. The choosing of energy sources is problematic as some sources like coal are abundantly available but burning coal produces carbon dioxide and sulfur oxides. Solar energy technology is almost benign to the environment and a shift from conventional sources of energy to either a direct or indirect use of solar energy is already happening.

1.1 Human Noise Behavior

A unified theory for stresses and oscillations is applicable so as to take into effect of all the physical agents as an environmental stressor on a human body (Dehra 2007-Dehra 2019). As per the theory, the stresses acted on a particle due to interaction of many forces are distinguished as fundamental, internal and external stresses. The existence of fundamental stresses is due to presence of electromagnetic and gravitational forces. The internal stresses are acted under the influence of fundamental stresses and are constituted by composition and properties of a particle. The external stresses are acted under the existence of an external source of energy. The omnipresent characteristic of the urban environment is its exposure to environmental noise. The excessive noise is accepted by the public health doctors and professionals as an undesirable feature of the urban environment. Noise is indisputably perceived to be an irritant, interfering into personal privacy, and causing displeasure and diminishing the worth of a person and his health. As health is largely defined to include quality of life and displeasure, therefore noise undoubtedly affects health (Dehra 2017b).

All unwanted disturbances of noise caused by a person or deviation from a normal behavior so as to distract attention of a normal person are termed as Noise Behavior. A person making the noise in the environment is also affected. The noise in the environment is associated with poor decision making, impaired concentration, reduced attention span, impaired memory, and confusion. People who report under stress due to noise also admit that not being able to think straight forward. Social behavior and interpersonal relations of the person affected by noise may also be demolished, possibly reflecting these and other psychological changes such as tiredness and increased irritability (Dehra 2017b).

Physical principles are central to the knowledge of energy, energy conversion and noise associated to understand energy technologies and their inherent benefits, risks and problems. Emphasis on clean energy and transportation technologies with focus on generation of no or minimal noise is dependent on policy framework for controlling noise and human noise behavior, viz., identifying a source and a sink of noise i.e. a person making noise in the environment and a person affected by such noise in the environment. Energy society, from the ancient to the most modern highly industrialized includes an assembly of wave motions. These wave motions include examples such as motion of animals, motion of water, growing of plants, rolling of automobiles, flying of arrows, flying of birds, airplanes and so on. Human beings do everyday motion to gather food and perform basic necessity functions for their existence. Our modern societies use automobiles, airplanes, trucks, ships and trains for movement of people and commodities. These machines use engines for producing necessary requirements for motion as well as generate electricity for motors and lights. These are processes of energy and energy conversion to all these cited examples.

These processes are for: running animals convert energy from food, plants grow through the use of solar energy, water falling from top of dam converts gravitational potential energy into energy of motion and combustion in engines is responsible for conversion of chemical energy of fuels into energy of motion etc.

To monitor and control human noise behavior, it is essential to incorporate these guiding principles of energy perspectives into a globalized society. For this purpose, monarchy of Concordia is established. This establishment is aiming to overcome the globalization process and its ill effects. The monarchy of Concordia, as a globalized society is also aiming to eradicate impoverished economies of nations and low standard of living. This will require underdeveloped countries to find some part of the socio-economic process for a better, cheaper and easily accessible products and services. The rest of the paper outlines objectives and wings of monarchy of Concordia along with brief description of its major works, products and services. Figure 1 presents overview of five wings of monarchy of Concordia. Appendix A has provided bio of founding member/author and with a brief description of noise scales and charts invented by the author (Dehra 2018a-c, Dehra 2019a-f).

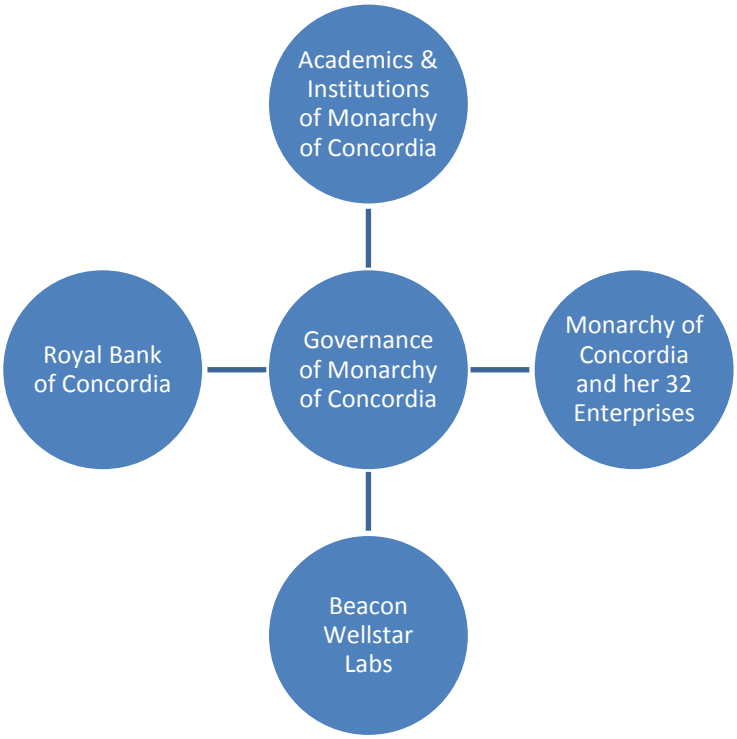

Figure 1 Five Wings of Monarchy of Concordia

2. Preamble for Endorsement

At present, establishment of 'Monarchy of Concordia' is a very important and crucial matter with respect to various prevailing global/international issues such as (law & order, security, employment, energy and environment etc.). For advancement and progress in life, problems should be kept at a minimum level. It requires vision of universal interest for solution to problems and hurdles. In order to survive ('Survival of the Fittest'), everyone requires endorsement of his responsible experience, skills, objectives, thoughts, vision, and actions.

Our human brain has certain limitations, as it processes data of our surrounding environment through human senses by interaction and information exchange. Interactions with various people from surrounding environment leads to complex data flow problem since it involves multiple minds at their level of information exchange.

The contribution of original thoughts and demonstration of philosophical results to the community leads to solving complex data problem of information exchange. For solving problem of information exchange and providing way forward in career path, university appoints professors/teachers who are eminent experts in their fields so as to provide guidance to students. The speed of progress depends on endorsement and its level, so as to remove darkness from thoughts of people and community. The removal of 'more darkness' from thoughts of people requires endorsement at a level compatible to the community (so that all people understand and adopt the information exchange). In return of the endorsement from teacher/professor, student/learner and university endorse professor/teacher as well-wisher of the community/university or in antique terms as their 'Guru'.

Our world is going through a transition phase and requires utmost care in terms of controlling whole earth's energy requirements and its environment. In order to preserve our environment we require paying attention towards 'controlling human noise behavior'. The author has communicated his court and public notices (regarding establishment of 'Monarchy of Concordia', his business enterprises, his Doctor of Philosophy and his research/teaching areas) to various governments and agencies published in various weeklies (Dehra 2009c-h, Dehra 2018d).

3. Monarchy of Concordia: Objectives & Agenda

a) To come into existence through endorsement of the 'Monarchy of Concordia' with her force majeure;
b) To maintain peace & harmony in the World through control of human noise behavior;
c) To establish Rajpura, Punjab as Principal Capital for Governance of 'Monarchy of Concordia' through President of India and/or resolution in Parliament of India and/or Punjab Assembly;

d) To establish Monarchy of Concordia's thirty-two enterprises and Royal Bank of Concordia, with commercial capital/headquarter in Montréal and considering the nature of enterprises, pass resolution in Canadian Parliament to make them exempt for paying any taxes and custom duties;

e) *Optional: To form *Sindhudesh* through joint territory and common program of India, Pakistan, Bangladesh and Myanmar; Governments and Constitutions of India, Pakistan, Bangladesh, Myanmar are jointly operated until adoption of common constitution; To open up trade & commerce activities in all the territories of *Sindhudesh*;

4. Governance of Monarchy of Concordia

The Ruling Frontier: Himanshu Dehra who is Emperor of Earth, Wind, Sky and Lord of Moon, is a Sovereign Hindu Ruler of the World.

The Governance of the Kingdom: The power to govern the Ruling Frontier is through the Principal Capital to oversee the coordinates of the Kingdom. The Principal Capital of the kingdom is named *Rajpura* (Latitude: 30° 28' 59'', Longitude: 76° 35' 42'') located in the Monarchy of Concordia. The Monarchy of Concordia supersedes: i) the Republic of *Bharat* ii) the Constitution of *Bharat*; iii) the Judiciary of *Bharat*; iv) the Political Government of *Bharat*; v) the Parliament of *Bharat*; vi) the President of *Bharat*; vii) the Vice-President of *Bharat*; viii) the Administrative divisions of *Bharat*; and ix) the Governments of Administrative Divisions of *Bharat*.

The Institution of the Kingdom: Himanshu Dehra belongs to the Institution of the Monarchy of Concordia (*Bharat Samrajaya*).

5. Royal Bank of Concordia

5.1 Principal Currencies & Chief Operating Financial Institution: The Royal Bank of Concordia is the governing financial institution for execution of financial agreements, operation of businesses, value estimation of capital assets, capital reserves and capital stocks of the enterprises of Himanshu Dehra and his Kingdom. The non-floating principal currency of the Monarchy of Concordia is named Royal Concordia *Mudra* & *Ratan* for value estimation of stocks, assets, jobs, works and financial closures of its businesses. The non-floating principal currency is stock reserved by The Royal Bank of Concordia as Capital Stock of the King and is neither sellable nor available to the public. The floating principal currency of the Monarchy of Concordia is named Royal Concordia Dollar ($) & Cent (RCD), is guaranteed by the Royal Bank of Concordia for estimation and execution of deals, money exchange, works, jobs, buying, selling, trading and financial closures of its businesses.

Himanshu Dehra is appointed as Governor of the Royal Bank of Concordia to issue, regulate and seal the principal currencies and govern its financial functions.

5.2 Royal Concordia *Mudra & Ratan*: Mass & Energy Balances

a) The Royal Concordia *Mudra* is a non-floating principal major currency of Monarchy of Concordia. The Royal Concordia *Mudra* is reserved in stocks of Marked Coins of precious metals under purest quality (Iridium (IR-77), Platinum (Pt-78), Palladium (Pd-46), Rhodium (Rh-45), Gold (Au-79)) & Alloys (Platinum Rhodium, Platinum Indium, Platinum Nickel, Platinum Silver, Platinum Tungsten, Platinum Zirconium, Palladium Silver, Palladium Molybdenum).

100 *Ratans* + 1 *Mudra* = 100 + **1** (Non-additive Capital One);

The Royal Concordia *Mudra* is a non-additive Capital One currency.

b) The Royal Concordia *Ratan* is a non-floating principal minor currency of Monarchy of Concordia. The Royal Concordia *Ratan* is reserved in stocks of Marked Engraved Stones & Gems under purest quality (Ruby, Red Coral, Emerald, Yellow Sapphire, Diamond, Blue Sapphire, Pearl, and Hessonite Garnet).

100 *Mudras* + 1 *Ratan* = 100 + **1** (Non-additive Capital One);

The Royal Concordia *Ratan* is a non-additive Capital One currency.

c) The conversion multiplier for various weighing systems for gemstones is: 1 Gram = 5 Carats = 1000 Milligrams; 200 Milligrams = 1 Carat or = 100 Cents; 182 Milligrams = 1 Standard *Ratti* (Stones *Ratti*) Gemstone weight from metals: Ruby 3-4.25 ct gold; Pearl 5-7.25 ct silver; Red Coral 6-10.25 ct gold or iron; Emerald 4-6.25 ct gold; Yellow Sapphire 4-5.25 ct gold; Diamond 1-4.25 ct gold or platinum; Blue Sapphire 3-4.25 ct silver or lead; Hessonite 4-6.25 ct iron or alloy.

d) Estimated Flow of Stocks:

Mass & Energy Balance Input: 1001 *Mudra* Coins (4 *Tola* (1 new *Tola* = 10 grams) each of any precious metal

Estimated Daily Stock Reserves of Royal Concordia *Mudra* = 32 X 40.04 kg + 8 X 20.02 kg =1441.44 kilograms

Mass & Energy Balance Input: 40,000 *Ratans* {any precious engraved stone of 1.001 gram (5.5 *Ratti*) (1 standard *Ratti* = 182 milligrams each)}

Estimated Daily Stock Reserves of Royal Concordia *Ratan* = 32 X 40.04 kg + 8 X 20.02 kg =1441.44 kilograms

5.3 Royal Concordia Dollar ($) & Cent (RCD):

1 RCD = 100 RCD cents; 1 RCD Dollar + 1 RCD Cent = 100 + 1 =101 RCD cents

6. Monarchy of Concordia and her 32 enterprises

6.1 The Head of the Kingdom: Himanshu Dehra is President & Managing Director of his Capital enterprises. The thirty two capital enterprises under the control of the King are: Quality Tools & Measurement Systems (QTMS), Quality Guard & Protection Systems (QGPS), Quality Detection & Prevention Systems (QDPS), Quality Defence & Security

Systems (QDSS), Quality Arms & Ammunition Systems (QAAS), *Gati* Transportation Systems (GTS), *Mati* Logistics Systems (MLS), *Indrani* Corporation (IC), *Indrani* Securities & Holdings (ISH), *Indrani* Investments & Finances (IIF), *Indrani* Projects & Controls (IPC), *Indrani* Laws & Books (ILB), *Indrani* Routes & Travels (IRT), *Indrani* Herbs & Medicines (IHM), *Indrani* Designs & Furnishings (IDF), *Indrani* Flags & Decorations (IFD), *Indrani* Languages & Communications (ILC), *Indrani* Resources & Employees (IRE), *Indrani* Commands & Forces (ICF), *Indrani* Events & Plans (IEP), *Indrani* Agencies & Societies (IAS), *Indrani* Religions & Worships (IRW), *Indrani* Forests & Timbers (IFT), *Indrani* Productions & Films (IPF), *Indrani* Maps & Atlases (IMA), *Indrani* Reports & Presses (IRP), *Indrani* Crops & Animals (ICA), *Indrani* Palaces & Monuments (IPM), *Indrani* Foods & Dairies (IFD), *Indrani* Farms & Lands (IFL), *Indrani* Empires & States (IES) and *Indrani* Marks & Trades (IMT). The territory for location of Headquarters for the Enterprises of the King is selected in *Montréal, Québec* to act as Commercial Capital for management, supervision, administration and general control of the Kingdom (Dehra 2010).

6.2 The Authority of the Kingdom: The authority to control the Kingdom is through thirty-two capital enterprises owned by Himanshu Dehra. The thirty-two capital enterprises of the Kingdom are mentioned above.

6.3 Trade & Commerce: Himanshu Dehra (*Emperor of Earth, Wind, Sky and Lord of Moon*) is a merchandise proprietor, owner, operator and maintainer of his capital enterprises for doing internal trade with his own enterprises, with his own public, with his own clients and with his own customers within the territory of his own Kingdom. The King under his seal of the president and managing director has taken the responsibility for supervision and control of his thirty two business ventures.

The commerce of the enterprises of the King is operated by recognized methods of deals through leading currencies and exchanges of the trade markets and their financial institutions.

6.4 Calendar Year & Holidays: The deals of the businesses are executable on working days of the trade markets and financial institutions. The official governance & administration of the enterprises and the kingdom is through lunar calendar year of the Hindu King (*Sindhu Naresh*) Himanshu Dehra. The regular working days for governance & administration of the Kingdom are from Wednesday to Sunday (closed on Monday & Tuesday). The employees of the Kingdom are scheduled for three shifts of eight hours per day (every 24 hours) depending on the given work load. The two public holidays of the kingdom are 13th January and 13th April of the Julian calendar year.

6.5 Financial Closures & Annual Reports: The financial regulations for closure of deals in between businesses of the enterprises of Himanshu Dehra are endorsed by the Royal Bank of Concordia. The balance sheets of the enterprises are made and announced

every 13th day of lunar month calendar year of the King. The business meets are organized quarterly to execute aims, objectives and targets of the enterprises. The Royal Bank of Concordia and its affiliated capital enterprises are capital assets of the King and their annual reports along with its financial indexes are published on or before 13th January of the proceeding year. The Royal Bank of Concordia and Enterprises of Himanshu Dehra are neither available for public selling nor listed in markets and trade exchanges for public sharing.

6.6 Measurement Systems & Units: Himanshu Dehra has proposed the new method for measurement number systems with *Représentation de Système International d'Unités* using analog mixed-signal circuit design. The scales, meters, units for tools, instruments and systems based on superior measurement technology are regularly presented by Himanshu Dehra in his technical meetings (Dehra 2007, Dehra 2008, Dehra 2019a-f).

6.7 Materials & Auditing: The supply of materials, essential commodities, essential supplies, essential utilities and other necessary wherewithal are made available to operate & execute the job functions, work assignments and other tasks for administration and governance of the Kingdom. The auditing of accounts, materials, energy, environment and resources is scheduled on a daily basis. The policies, tools, laws & standards for quality control, environmental protection and sustainable development are available and published regularly with new and improved versions.

6.8 Public Health Doctor: Himanshu Dehra is a qualified Doctor of Public Health Medicine in *Noise Behavior* to professionally practice his medical profession in his Kingdom under his sovereign rule.

6.9 Public Health Engineer: Himanshu Dehra is a qualified Civil Engineer to professionally practice his engineering profession of *Public Health Inspection & Environmental Health Monitoring* in his Kingdom under his sovereign rule.

6.10 Quality Systems Logistician: Himanshu Dehra is a qualified Professional Logistician to professionally practice his profession of Logistics for *Systems & Units* in his Kingdom under his sovereign rule.

6.11 Chief Law Officer: Himanshu Dehra is a qualified Chief Law Officer to professionally make, commercialize and enforce laws through *International Police & Law Academy* (INTERPOLA) in his Kingdom under his sovereign rule.

6.12 Guru of the Universe: Himanshu Dehra is a qualified professional to perform the Degree of Guru of the Universe. Himanshu Dehra is an authoritative & demonstrative expert to: i) assimilate and rule the living energies (of mass, matter, minds & senses); and ii) analogue processing & disposal of living energies into the surrounding environment (e.g. troposphere, stratosphere, mesosphere, thermosphere, exosphere, magnetosphere) of a non-living terrestrial object.

6.13 Guru of the Sikhs: Himanshu Dehra (*Emperor of Earth, Wind, Sky and Lord of Moon*) is a qualified professional to perform the Degree of Guru of the Sikhs. Himanshu Dehra is an authoritative & demonstrative expert to make and give civilized guidance to his disciples by selection through his entrance examination of *Acoustic Filters for Sensors & Transducers* conducted by him in his *Gurdwaras* located in his Kingdom under his sovereign rule (Dehra 2012, Dehra 2019b, Dehra 2019g).

6.14 Magistrate: Himanshu Dehra is a qualified Magistrate of his Judiciary Area in his Kingdom under his sovereign rule. The professional practice of Magistrate is to administer the Court of Himanshu Dehra, release of legal notifications, court notices, court judgments, public notices and professional notices of conduct through laws governed by him in his judiciary area of his Kingdom under his sovereign rule.

7. Beacon Wellstar Labs

THEME/PURPOSE: Building Energy & Ambience Conservation (BEACON) by adopting Wellness & Sustainable Technologies through Automation & Research (WELLSTAR)

7.1 Objective

To provide third-party laboratory verification services in building energy & environment performance and wellness assessment through inspection, testing, measurement & verification, monitoring & reporting, simulations and auditing; to become a leading laboratory business unit/firm in third party testing & verification of wellness & sustainable technologies.

7.2 Introduction

Proposed Lab/Business Unit: BEACON WELLSTAR is an independent laboratory testing business unit/firm providing services in **Building Energy & Environment Performance and Wellness Assessment**. We provide services for inspection, testing, third-party verification, monitoring & reporting, research, simulations, auditing and certifications. With intensive experience in an innovative outlook, our services have been carefully designed, researched & verified to adapt to an expert level of knowledge and skills. They are admitted as an answer for toughest questions for providing authentic certifications in building energy & environment performance.

7.3 Specialties

Inspections & Audits; Measurement & Verification; Monitoring & Reporting; Intelligence & Analytics; Third Party Reviews & Validations; Laboratory Testing & Calibration; Certifications & Accreditations; Modelling & Simulations; Education & Training Services.

7.4 One Window Solution to a Problem

There is need of hour for reliable and quality laboratory testing services in order to authenticate Building Energy & Environment performance and wellness assessment due to growing demand for Sustainability/ Wellness certifications in the Building industry across the Globe. **Beacon Wellstar Labs** aims to provide these laboratory services at a reasonable

price with high level of expertise and calibre. Beacon Wellstar labs is a specialized firm with focused approach aiming to provide these precision services.

7.5 Offering/Service Verticals:

7.5.1 Inspections & Audits: Energy Sub-Metering, Electrical & Thermal Measurements, Survey & Collection of Plant Data, Achieving performance efficiency and cost savings through optimization of Overall Equipment Effectiveness, Asset optimization through energy efficiency measurements, testing, adjusting and balancing of environmental systems, Condition Based Monitoring (IR Thermography, Ultrasonic Leak Detections & Vibration Analysis); Relay Coordination & Relay Testing; Implementation & Report Making;

7.5.2 Measurement & Verification: Measurement & Verification (M&V) of ECMs, Reference data collection, Establishment of baseline data, M&V plan development, Conducting post-retrofit M&V, Monitoring and adjustment of energy savings, Statistical Regression Analysis, Issuing of M&V reports, Monitoring & reporting of long-term energy savings, Implementation of Energy Saving Schemes on a Guaranteed Saving Basis, ESCO Model, Conservation & Demand Management, Performance Guarantee, Verification & Dispute Resolution;

7.5.3 Monitoring & Reporting: Automation of Building Energy & Environment Monitoring, BAS Fault Detection, Remote Diagnostics services, Cloud-based Energy & Environment Monitoring, Metering and Monitoring Devices, Integration with Communication & Network Technologies, Circuit Level Monitoring;

7.5.4 Intelligence & Analytics: Data Analytics Platform, SaaS analytics, Energy Analytics & Evaluation, Knowledge Based Operations, Data Driven Maintenance, Centralized Help-desk & Work Order Management, Technical Support for Field Visit Avoidance, Proactive Alarm Monitoring, Optimized Maintenance Schedules, Demand-Response Analysis and Management, Peak Demand Management, Tariff Profile Analysis;

7.5.5 Third Party Reviews & Validations: Sustainable Technologies Reviews & Validations; Design & Build Solutions, Design & Construction peer review of drawings, specifications & BOQ, factory inspection, quality assurance & compliance as per IEC standards, third party testing & verification, post-project performance evaluation & assessment; **Technologies:** Displacement Ventilation, Stack effect - Natural Ventilation System; Earth Air Tunnel; Nocturnal Cooling or Night Sky Cooling; Radiant Cooling/Heating, Geothermal Heat Pumps; Passive Down Draft Evaporative Cooling; Chilled Beams and Chilled False Ceiling; Roof Pond Cooling System; Water Conservative Fittings; Root Zone Sewage Treatment System; Rain Water Harvesting and Shallow Aquifer Development; Grid Tie Solar PV for Buildings; Windmills; Solar Powered Air Conditioners, Heating and Cogeneration; Daylight Tube; Light Louvers; Efficient Light Fittings; Waste-to-Energy Conversion; Biomass Processing & Densification; Biomass Briquetting; Solar Thermal

Systems; Solar PV Power Generation; Building Integrated Photovoltaic-Thermal (BIPV/T) Power Generation; Net-Zero/Low Energy Buildings;

7.5.6 Laboratory Testing & Calibration: Assessment & Testing of Wellness Parameters (Air, Water, Light, Noise), Chemical/Restricted Substances Testing, Wireless/M2M Testing, Safety Testing, Material Testing, Grid Connection Testing, Reliability Testing, Energy Performance Testing, Environmental Performance Testing, EMC Testing, Thermal Performance, Laboratory & Field Testing (Building Materials), Research & Development (Building Science & Wellness Research, Smart Energy Meters, IEQ Sensors, Noise Monitoring & Control Instrumentation, Sustainable Technologies Research, Publications);

7.5.7 Certifications & Accreditations: Marks & Labels, Energy Efficiency Verification; Combined marks for energy efficiency and certification; Field Certification & Field Evaluation Programs; Product Energy Performance; Energy Management & Performance (ISO 50001, ISO 14064);

7.5.8 Modelling & Simulations: Built Environment, Thermal Modelling, Heat Transfer, Whole Building Energy Simulation, Climate & Passive Design Strategies Analysis, Building Façade & Glazing Optimization, Daylighting Analysis & Optimization, CFD, Natural Ventilation Analysis, Thermal Comfort Analysis;

7.5.9 Education & Training Services: Specialized Education & Training.

8. Academics and Institutions of Monarchy of Concordia (*Bharat Samrajaya)*

8.1 The Social and Psychological Association: Law, Business and Health

The Monarchy of Concordia (*Bharat Samrajaya*) conveys her relationship to comply with law by establishing her supreme justice system by constituting her laws through the crown of the Kingdom. Himanshu Dehra is the supreme crown prosecutor of the Kingdom. Himanshu Dehra (*Emperor of Earth, Wind, Sky and Lord of Moon*) is the supreme judge and each case coming to his court is subjected to prior thorough investigation before qualification for the capital punishment. The Court of the King works in accordance with facts, proofs, evidences and testimonies of the Eyewitnesses. The confession evidence is employed by International Police and Law Academy (INTERPOLA) through various methods of interrogation. The Monarchy of Concordia strongly believes that in the workplace and business culture, behavior is heavily influenced by social psychological factors. The personnel selection of her employees through recruitment of the competent staff ensures development of the Kingdom. The Monarchy of Concordia employs her superior human resources and their performance appraisals, leadership assessment, motivation abilities and economic decision making of her staff through approved methods from management and governance of the Kingdom. The Monarchy of Concordia has recognized the scientific theory that Stress and Health are interrelated. The causes of the Stress and affects of Stress on the human body are both

socially and psychologically related to the exposed situations, demands of an event, thoughts, feelings and behaviors. The appraisal of the health of the public, the employees and their related families of the Kingdom is dependent on provenance, perception and hope. The ways to reduce Stress and eradicate Noise Behavior are diagnosed through proper Coping, Treatment and Prevention. The Monarchy of Concordia (*Bharat Samrajaya*) complies with her policies on the social and psychological association through enforcement of her laws, operation of her businesses and monitoring of the health of her public.

8.2 The Constitutional Institution of the King Himanshu Dehra

8.2.1 Judicial Institute

The evident judgment ruling and sovereign rule of the King Himanshu Dehra (*Emperor of Earth, Wind, Sky and Lord of Moon*) overrule the decree of subordinate judiciaries.

8.2.2 Commercial Institute

The King Himanshu Dehra is owner of all the commercial rights of his Kingdom and its enterprises under his sovereign rule.

8.2.3 Religious Institute

a) The pre-historic vedic *Sindhu-Saraswati* King Himanshu Dehra is affiliated with Shri Sampradaya (Guru: *Swami Sudarshanacharya*); and

b) The Hindu King (*Sindhu Naresh*) Himanshu Dehra belongs to Dehra Dynasty (Father: *Jai Dev Dehra* and Mother: *Pramila Dehra*).

8.2.4 Privacy Rights

a) The King Himanshu Dehra is neither addressable nor accountable to any peoples of any republic, any persons representing any organization, government or administration;

b) The attempt to breach the privacy of the King shows the noise behavior of the responsible people or person (or group originating from organization, administration, zone or territory); and

c) The accused peoples, persons (along with organization) are liable to medical treatment, fines and capital punishments for breaching the privacy of the King.

8.2.5 Civil Rights

The civil rights of the King Himanshu Dehra under his primary supervision supplant the civil rights under regulations of secondary administrations.

9. Discussion

There is a requirement of support from local administration and law enforcement agencies so as to administer court of the king and bring into various agencies such as INTERPOL (to be re-constituted as INTERPOLA). This will also require coordination of law enforcement agencies in various countries for issuing of arrest warrants and legitimate Bounty for arresting accused criminals/fugitives. The

monarchy of Concordia is divided into five parts or wings viz., part one for 'Governance of Monarchy of Concordia', part two for 'Royal Bank of Concordia', part 3 for 'Monarchy of Concordia and her 32 enterprises'; part 4 for 'Academics/Institutions' and part 5 for 'Beacon Wellstar Labs'. All are interconnected with each other for their respective progress. This matter being unresolved for so many years should be urgently put before United Nations Security Council and/or International Court of Justice. There is a requirement of passing resolution in United Nations with the help of UN Security council and bringing together various countries on a same platform by establishing 'Monarchy of Concordia & her 32 enterprises' through establishment of 'Royal Bank of Concordia'. This will clear the path for assuring secure funding of 'Monarchy of Concordia (& her 32 enterprises)' through establishment of 'Royal Bank of Concordia'.

10. Conclusion

This paper has summarized guiding principles and socio-ergonomics aspects of monitoring and controlling human noise behavior by establishing sovereign political power of monarchy of Concordia. To monitor and control human noise behavior, it is essential to incorporate these guiding principles into a globalized society. For this purpose, monarchy of Concordia is established.

Appendix A

A1 'Monarchy of Concordia' - Founding Member CV

Academia/Professor: Himanshu Dehra conducts research in the field of *'Stresses and Oscillations'* with operation areas of *Heat, Fluid, Electricity and HVAC* (Dehra 2018a-c). As a track record of sole author, Himanshu Dehra, has accomplishment of numerous publications in reputed journals and has participated in many national and international symposiums to present break-through research results of his Ph.D. thesis work (2001-2004) completed from Concordia University, Montréal, Québec. He has diversified experience in the field, research and teaching. He is a founding member of American Institute-Industry Forum on Energy (AIFE), a scientific society, for organizing transactions on *'Advances in Energy Research'*. Himanshu Dehra is a Professional Authority in presenting his public lectures on his Graduate Courses on (Dehra 2018a-c): *i) Building Insulation; ii) Sustainable Eco-Cities; iii) Noise Systems Engineering; iv) Measurement Systems & Units; v) Solar Energy Acoustics; vi) Occupational Cellular Physiology; and vii) Human Environmental Health*.

Industry: Himanshu Dehra has strong technical background with 20+ years' of experience in Energy and Sustainability domain. He is a leading expert in monitoring and analysis of the performance of energy systems integrated with sustainable technologies. He is a Canadian Citizen and has worked on many international projects while playing a leadership role in implementation of advanced energy technologies such as building integrated photovoltaic/thermal systems in Green Buildings. He has also contributed to research,

development and training/education in renewable & sustainable building energy systems. He received his Bachelor of Engineering (Civil) with specialization in Environmental Engineering from Punjabi University, Patiala, India; Master of Technology (Energy Management) from Devi Ahilya University, Indore, India. He is a LEED Accredited Professional with specialization in Building Design and Construction {LEED AP (BD + C)} from Green Business Certification Inc., USA. He is a Certified Measurement & Verification Professional (CMVP) from Association of Energy Engineers, USA. He is also a Certified Energy Auditor (CEA) and Certified Energy Manager (CEM) from Bureau of Energy Efficiency, Govt. of India. His key expert areas are energy engineering & management, solar energy acoustics, energy conversion materials & devices, building energy simulation, energy efficiency, noise characterization & instrumentation, psychoacoustics, human noise behavior, monitoring of health & wellness indices. He has a track record of 70+ publications as a sole author in reputed international journals, invited chapters and international conference proceedings. He has no 'conflict of interest' with anyone. He is currently with Egis Group, a French multinational infrastructure engineering firm and working on green building, sustainability and smart city projects (Dehra 2018a).

A2 Noise Characterization

A unified theory for stresses and oscillations is proposed by the author (Dehra 2007a). The following standard measurement equations are derived and adopted from the standard definitions for sources of noise interference (Dehra 2018a-c, 2019a-f).

Noise of Sol: For a pack of solar energy wave, the multiplication of solar power storage and the velocity of light gives solar power intensity I. On taking logarithm of two intensities of solar power, I_1 and I_2, provides intensity difference. It is mathematically expressed as:

$$Sol = \log(I_1)(I_2)^{-1} \qquad (1)$$

Whereas logarithmic unit ratio for noise of sol is expressed as *Sol*. The oncisol (oS) is more convenient for solar power systems. The mathematical expression by the following equality gives an oncisol (oS), which is 1/11th unit of a *Sol*:

$$oS = \pm 11\log(I_1)(I_2)^{-1} \qquad (2)$$

Noise of Therm: For a pack of heat energy wave, the multiplication of total power storage and the velocity of light gives heat power intensity I. The pack of solar energy wave and heat energy wave (for same intensity I), have same energy areas, therefore their units of noise are same as *Sol*.

Noise of Scattering: For a pack of fluid energy wave, the multiplication of total power storage and the velocity of fluid gives fluid power intensity I. On taking logarithm of two intensities of fluid power, I_1 and I_2, provides intensity difference. It is mathematically expressed as:

$$Sip = \log(I_1)(I_2)^{-1}$$

(3)

Whereas, logarithmic unit ratio for noise of scattering is *Sip*. The oncisip (oS) is more convenient for fluid power systems.

The mathematical expression by the following equality gives an oncisip (oS), which is 1/11th unit of a *Sip*:

$$oS = \pm 11 \log(I_1)(I_2)^{-1} \quad (4)$$

For energy area determination for a fluid wave, the water with a specific gravity of 1.0, is the standard fluid considered with power of ±1 Wm^{-2} for a reference intensity I_2.

Noise of Elasticity: For a pack of sound energy wave, the product of total power storage and the velocity of sound gives sound power intensity I. On taking logarithm of two intensities of sound power, I_1 and I_2, provides intensity difference. It is mathematically expressed as:

$$Bel = \log(I_1)(I_2)^{-1} \quad (5)$$

Whereas, logarithmic unit ratio for noise of elasticity is *Bel*. The oncibel (oB) is more convenient for sound power systems. The mathematical expression by the following equality gives an oncibel (oB), which is 1/11th unit of a *Bel*:

$$oB = \pm 11 \log(I_1)(I_2)^{-1} \quad (6)$$

There are following elaborative points on choosing an *onci* as 1/11th unit of noise (Dehra 2018a-c, Dehra 2019a-f):

i) Reference value used for I_2 is -1 W m^{-2} on positive scale of noise and 1 W m^{-2} on negative scale of noise. In a power cycle, all types of wave form one positive power cycle and one negative power cycle (Dehra 2008a). Positive scale of noise has 10 positive units and one negative unit. Whereas, negative scale of noise has 1 positive unit and 10 negative units; ii) Each unit of sol, sip and bel is divided into 11 parts, 1 part is 1/11th unit of noise; iii) The base of logarithm used in noise measurement equations is 11; iv) Reference value of I_2 is -1 W m^{-2} with I_1 on positive scale of noise, should be taken with negative noise measurement expression (see Eqs 2, 4 and 6), therefore it gives positive values of noise; v) Reference value of I_2 is 1 W m^{-2} with I_1 on negative scale of noise, should be taken with positive noise measurement expression (see Eqs 2, 4 and 6), therefore it gives negative values of noise. The choosing of *onci* in noise units is done so as to have separate market product & system of noise scales and their units distinguished from prevailing *decibel* unit (which has its limitations) in the International System of Units. More discussions on energy conversion, noise characterization theory and choice of noise scales and its units are presented in many papers by the author (Dehra 2018a-c, Dehra 2019a-f).

Figure A1 has presented a double-sided hexagonal slide rule with seven edges for noise measurement representing seven sources of noise. Reference value used for I_2 is -1 W m^{-2} on positive scale of noise and 1 W m^{-2} on negative scale of noise. Positive scale of noise

has 10 positive units and one negative unit. Whereas, negative scale of noise has 1 positive unit and 10 negative units. Each unit of sol, sip and bel is divided into 11 parts, 1 part is $1/11^{th}$ unit of noise. The base of logarithm used in noise measurement equations is 11. Table A2 has summarized grades, colors, units of noise and their limiting conditions.

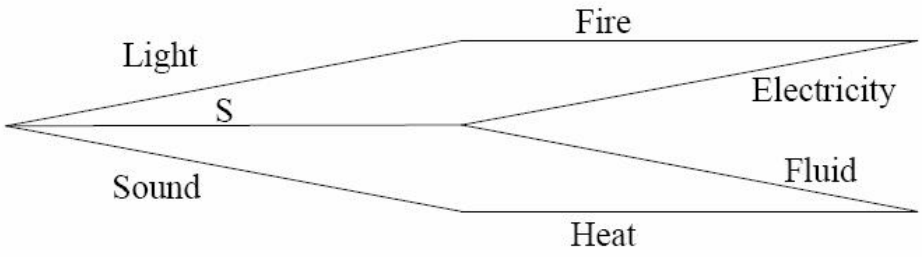

Figure A1 A Double Sided Hexagonal Scales of Noise with Seven Edges (S denotes Sun)

Table A1 Noise calculation chart estimating onci Sol, onci Sip and onci Bel.

a	b	Intensity Ratio (11^a)	Pressure Ratio (11^b)	←oSol→ ←oSip→ ←oBel→	Pressure Ratio $(1/11)^b$	Intensity Ratio $(1/11)^a$
0	0	1	1	0	1	1
1/11	1/22	1.244	1.115	± 01	0.897	0.804
2/11	2/22	1.546	1.244	± 02	0.804	0.647
4/11	4/22	2.392	1.546	± 04	0.647	0.418
6/11	6/22	3.699	1.923	± 06	0.520	0.270
8/11	8/22	5.720	2.392	± 08	0.418	0.175
10/11	10/22	8.845	2.974	± 10	0.336	0.113
12/11	12/22	13.679	3.699	± 12	0.270	0.073
14/11	14/22	21.155	4.599	± 14	0.217	0.047
16/11	16/22	32.715	5.720	± 16	0.175	0.031
18/11	18/22	50.594	7.113	± 18	0.141	0.020
20/11	20/22	78.242	8.845	± 20	0.113	0.013
22/11	22/22	121.000	11.000	± 22	0.091	8.264×10^{-3}
24/11	24/22	187.124	13.679	± 24	0.073	5.344×10^{-3}
26/11	26/22	289.383	17.011	± 26	0.059	3.456×10^{-3}
28/11	28/22	447.525	21.155	± 28	0.047	2.235×10^{-3}
30/11	30/22	692.089	26.308	± 30	0.038	1.445×10^{-3}
32/11	32/22	1070	32.715	± 32	0.031	9.343×10^{-4}
34/11	34/22	1655	40.684	± 34	0.025	6.042×10^{-4}
36/11	36/22	2560	50.594	± 36	0.020	3.907×10^{-4}
38/11	38/22	3959	62.917	± 38	0.016	2.526×10^{-4}
40/11	40/22	6122	78.242	± 40	0.013	1.633×10^{-4}
42/11	42/22	9467	97.300	± 42	0.010	1.056×10^{-4}

44/11	44/22	14640	121.0	± 44	$8.264x10^{-3}$	$6.830 x10^{-5}$
46/11	46/22	22640	150.47	± 46	$6.646 x10^{-3}$	$4.417 x10^{-5}$
48/11	48/22	35020	187.12	± 48	$5.344 x10^{-3}$	$2.856 x10^{-5}$
50/11	50/22	54150	232.70	± 50	$4.297 x10^{-3}$	$1.847 x10^{-5}$
66/11	66/22	$1.772x10^{6}$	1331	± 66	$7.513 x10^{-4}$	$5.645 x10^{-7}$
77/11	77/22	$1.949x10^{7}$	4414	± 77	$2.265 x10^{-4}$	$5.132 x10^{-8}$
88/11	88/22	$2.144x10^{8}$	14640	± 88	$6.830 x10^{-5}$	$4.665 x10^{-9}$
99/11	99/22	$2.358x10^{9}$	48560	± 99	$2.059 x10^{-5}$	$4.241x10^{-10}$
110/11	110/22	$2.594x10^{10}$	161100	± 110	$6.209 x10^{-6}$	$3.855 x10^{-11}$
Example: To find oSol corresponding to a pressure ratio of 363 Ratio of 363 = 11X33 In oSol = +22+32 oSol = +**54 oSol**						

Table A2 Noise Grades and Flag Colours under Limiting Conditions

Grades	**Noise Grades and Flag Colors under Limiting Conditions**		
	Noise of Sol	***Noise of Scattering***	***Noise of Elasticity***
G_2[a] = ±U	Sol	Sip	Bel
$G_1 = G_2 = U$	No Positive Solar Energy	No Positive Fluid Energy	No Positive Sound Energy
Base Color for $G_1 = G_2$			
G_1 = U+→0 Wm^{-2}	Decreasing Solar Energy	Decreasing Fluid Energy	Decreasing Sound Energy
Base Color for G_2			
G_1= + ve	Increasing Solar Energy	Increasing Fluid Energy	Increasing Sound Energy
Base Color for G_2			
G_1 = -U Wm^{-2}	Negative Solar Energy	Negative Fluid Energy	Negative Sound Energy
	Darkness	Low Pressure	Inaudible range
Base Color for G_2			
G_1 = -ve	Darkness increasing, distance from point source of light increasing	Low pressure increasing, vacuum approaching	Inaudible range increasing, vacuum approaching
Base Color for G_2			
G_1 = -U+→0 Wm^{-2}	Negative Solar Energy	Negative Fluid Energy	Negative Sound Energy
	Decreasing Darkness	Decreasing Low Pressure	Decreasing inaudible range
Base Color for G_2			

a. Reference value of G_2 = ±U signifies the limiting condition with areas of noise interference approaching to zero.

A3 Data on Web Repository: The whole data can be accessed here

Data: Monarchy of Concordia – Dataset of Correspondences, White Paper, Court/Public Notices, Advertisements and Presentations of Monarchy of Concordia (Dehra, 2020)

Public Repository Name: "Data for: Monarchy of Concordia: A Globalized Society on Maintaining Peace and Harmony in the World by Controlling Human Noise Behavior"

https://data.mendeley.com/datasets/r68725ytzg/1

http://dx.doi.org/10.17632/r68725ytzg.1

https://zenodo.org/record/3515734#.XlDMligzbIU

https://osf.io/gt6rp/

Value of the Data

- Data is useful for interpreting the establishment of Monarchy of Concordia;
- Data is useful for understanding the concept of Human Noise Behavior;
- Understanding of organizational management, social ergonomics, monitoring and law in Monarchy of Concordia;
- Subjective values versus objective science on bias and ethics in social science (Abbott 2019); Public debt and economic growth in a society (Bilan and Ihanatov 2015).

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