

## THE PRECISION OF DIVINE PROPORTIONS IN MEASUREMENTS OF NATURAL RESOURCES: EXPLORING THE HOLY QURAN

(A Study to Reveal Quranic Aspects of Measurements of Material  
Resources & Comparison with Modern Sciences)

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## **THE PRECISION OF DIVINE PROPORTIONS IN MEASUREMENTS OF NATURAL RESOURCES: EXPLORING THE HOLY QURAN**

**(A Study to Reveal Quranic Aspects of Measurements of  
Material Resources & Comparison with Modern Sciences)**

Zafar Iqbal, Sanaullah Hussain

**ABSTRACT:**

Measurements serve as the cornerstone of modern society, essential for scientific progress, informed decision-making, and sustainable environmental practices. The Quran, in alignment with these principles, emphasizes the ethical and spiritual significance of accurate measurements. It encourages integrity and fairness in trade, underlining the importance of honest transactions and just weights. Furthermore, it symbolizes the concept of balance and accountability, urging individuals to reflect on their deeds and intentions with sincerity and mindfulness. Metaphorically, The Quran portrays precise measurements as a testament to the divine order and harmony in the universe, inviting believers to contemplate the intricacies of creation and the wisdom embedded within. By intertwining the practical and spiritual dimensions, The Quranic teachings on measurements illuminate the path towards equitable, transparent, and morally conscious conduct, fostering a holistic understanding of the interconnectedness between scientific advancements and ethical values.

**KEYWORDS:** The Quran & Measurements, The Quran & Modern Metrology

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**Introduction:**

1. The Holy Quran stands as the ultimate guide for humanity, addressing a myriad of essential aspects for human conduct and understanding. One of the many things addressed in its divine Aayahs is the importance of measurements, which is brought into the limelight in a few Aayahs. Exploring the focus of measurements, one is bound to think on why the Almighty, the owner of plenty, would decide to sketch out the preeminence of quantification and strict quantification in His works. This study attempts to unweave the wisdom behind this direction and investigates the immense lessons that man can get by reading the teachings in the Quran on how to live a measured life. On the importance of careful computation and responsibility, not only does The Quran insist on the need to acquire and develop measurement skills, but it also alludes to the inevitable part played by measurement in bringing order and cohesion to the society. It is made clear that all references in The Quran have profound implications and blessings and this is how important a carefully measured world is in the well-being of humankind. In addition, this discussion brings up a critical issue on the shortcomings in some spheres of human life where measurements are unattainable. There are aspects of life, which notwithstanding our endeavors, we still lack precise quantification due to the absence of suitable instruments or standards. In this context, The Quran serves as a reminder of the boundless knowledge and wisdom of The Almighty, Who encompasses every aspect of existence, both in quantity and quality. It is within this divine understanding that this research endeavors to shed light on The Quranic discourse concerning Measuring Technology, or Metrology, drawing upon Maulana Abdul Majid Daryabadi's translation of the Holy Aayahs from Arabic to English. Through this exploration, we aim to unravel the profound insights and

enduring wisdom that the Quran offers, providing invaluable guidance for humanity's pursuit of knowledge, order, and balance in all facets of life. This understanding further underscores the transformative power of incorporating divine teachings into the realm of human knowledge and technological advancements, fostering a harmonious integration of spirituality and scientific inquiry for the betterment of society and the world at large."

### **Measurement Technology (Metrology): Definition:**

2. The word “*measurement*” comes from the Greek word “metron,” which means “limited proportion.” Measurement is a technique in which properties of an object are determined by comparing them to a standard<sup>1</sup>. Measurements require tools and provide scientists with a quantity. A quantity describes how much of something there is or how many there are. A good example of measurement is using a ruler to find the length of an object.

### **Historical Background:**

3. Human progress through measurement has been a transformative journey, spanning millennia of innovation and intellectual evolution. Ancient civilizations laid the foundation by developing rudimentary measuring systems to assess agricultural yields, construct monumental structures, and navigate uncharted territories. The Egyptians<sup>2</sup> pioneered rudimentary tools like the cubit for construction, while the Babylonians<sup>3</sup> introduced a numerical system based on the number 60 that still influences

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<sup>1</sup> <file:///mac/Home/Downloads/TheImportanceofMeasurement.pdf>

<sup>2</sup> Denys A. Stocks, "Experiments in Egyptian Archaeology: Stoneworking Technology in Ancient Egypt" Routledge, 2003

<sup>3</sup> O. Neugebauer, "The Exact Sciences in Antiquity," Dover Publications, 1969.

modern time and angle measurements. The advancements in mathematics and astronomy during the Hellenistic period propelled measurement to new heights, with figures like Euclid and Archimedes contributing to the development of geometric principles and the concept of volume. During the Islamic Golden Age, scholars such as Al-Khwarizmi and Al-Biruni<sup>4</sup> made significant strides in trigonometry, algebra, and the refinement of measurement instruments, laying the groundwork for modern scientific inquiry. The Renaissance marked a pivotal era of scientific discovery, where visionaries like Galileo Galilei and Johannes Kepler<sup>5</sup> revolutionized the understanding of the physical world through precise measurements and observations. This era set the stage for the subsequent scientific revolution, which saw the likes of Isaac Newton<sup>6</sup> introducing fundamental laws of motion and universal gravitation, transforming measurement into a cornerstone of empirical scientific inquiry. The industrial revolution further accelerated the importance of measurement, driving the need for standardized units for mass production and trade. The establishment of the metric system in France and its subsequent global adoption streamlined international communication and commerce, fostering interconnectedness and facilitating technological advancements across borders. The 20th century witnessed unprecedented progress in various fields, from quantum

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<sup>4</sup> Bridget Lim, Bill Scheppler, "Al-biruni: Greatest Polymath of the Islamic Golden Age (Physicians, Scientists, and Mathematicians of the Islamic World)," Rosen Young Adult, 2006.

<sup>5</sup> Dedre Gentner , Sarah Brem , Ronald W. Ferguson , Arthur B. Markman , Bjorn B. Levidow , Phillip Wolff & Kenneth D. Forbus, 1997, "Analogical Reasoning and Conceptual Change: A Case Study of Johannes Kepler", Journal of the Learning Sciences, 6:1, pp 3-40.

<sup>6</sup> R. S. Westfall, "Never at Rest: A Biography of Isaac Newton," Cambridge University Press, 1983.

mechanics to space exploration, enabled by sophisticated measurement tools and methodologies. Breakthroughs in precision measurement technology, such as atomic clocks and electron microscopes, have propelled humanity into an era of unparalleled scientific and technological advancement, shaping the contemporary world and laying the groundwork for future exploration and discovery.

#### **Literature Review:**

4. "In the contemporary landscape, literature on measurement technologies spans a wide spectrum of disciplines, showcasing the transformative impact of precise measurements on diverse facets of modern society. Works by John P. Bentley<sup>7</sup> delve into the realm of industrial automation and process control, emphasizing the pivotal role of measurement technologies in optimizing production efficiency, ensuring product quality, and fostering sustainable manufacturing practices. The literature further highlights the significance of advanced data analysis techniques, as expounded by Ronald D. Snee and Roger W. Hoerl<sup>8</sup>, in enabling data-driven decision-making, fostering innovation, and enhancing operational performance across various industries. Additionally, studies by Wolfgang Osten and Malgorzata Kujawinska<sup>9</sup> underscore the rapid advancements in optical and imaging measurement technologies, shedding light on their transformative role in precision metrology, non-destructive testing, and biomedical imaging, thereby revolutionizing the fields of

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<sup>7</sup> John P. Bentley, "Principles of Measurement Systems," Pearson Education, 2005.

<sup>8</sup> Hoerl, R.W. and Snee, R.D., 2017. Statistical engineering: an idea whose time has come? *The American Statistician*, 71(3), pp.209-219.

<sup>9</sup> Osten, W. and Kujawinska, M. eds., 2010. Fringe 2009: 6th International Workshop on Advanced Optical Metrology. Springer Science & Business Media.

manufacturing, healthcare, and materials science. Moreover, literature focusing on environmental monitoring and measurement, including works by Trent L. McDonald<sup>10</sup>, highlights the criticality of accurate measurements in assessing and mitigating the impact of human activities on the ecosystem, underscoring the need for reliable data to inform sustainable environmental management and policy decisions. These multidimensional perspectives, as portrayed in the literature, collectively underscore the indispensable role of measurement technologies in driving innovation, sustainability, and progress across diverse sectors, reaffirming their status as the cornerstone of modern technological advancement and societal well-being."

"Within the sphere of healthcare and biotechnology, the literature reflects the pivotal role of measurement technologies in advancing diagnostic capabilities, personalized medicine, and therapeutic interventions. Works by Christine M. Hughes<sup>11</sup> highlight the transformative impact of advanced medical imaging modalities, such as MRI, PET, and ultrasound, in facilitating early disease detection, guiding precise treatment planning, and monitoring therapeutic efficacy, thereby revolutionizing patient care and clinical outcomes. Moreover, literature on molecular diagnostics and biomarker analysis, including research by Marta Bertolaso<sup>12</sup>, underscores

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<sup>10</sup> McDonald, T.L., 2003, "Review of Environmental Monitoring Methods: Survey Designs" *Environ Monit Assess* 85, pp 277–292

<sup>11</sup> Christine M. Hughes BA, Erich Kramer MA, Jennifer Colamonico MPP, Richard Duszak Jr. MD., 2015. "Perspectives on the Value of Advanced Medical Imaging" *Journal of the American College of Radiology*, Vol 12, Issue 5, pp 458-462.

<sup>12</sup> Marta Bertolaso, "The Future of Scientific Practice: Bio-Techno-Logos (History and Philosophy of Technoscience) 1st Edition". Routledge, 2015.

the significance of high-throughput measurement technologies in deciphering complex biological processes, unraveling disease mechanisms, and facilitating the development of targeted therapies, thereby paving the way for the era of personalized and precision medicine. These studies collectively emphasize the pivotal role of measurement technologies in redefining healthcare paradigms, fostering proactive disease management, and catalyzing breakthroughs in biomedical research."

"In the realm of digital transformation and information technology, the literature highlights the pervasive influence of measurement technologies in reshaping data analytics, cybersecurity, and network infrastructure. Works by Rashed Mohassel<sup>13</sup> elucidate the role of advanced measurement tools and algorithms in facilitating real-time data processing, predictive analytics, and business intelligence, thereby enabling organizations to make informed decisions, optimize operational efficiency, and gain a competitive edge in the digital marketplace. Additionally, literature focusing on cybersecurity and network monitoring, including works by Richard Forno and Corey Schou<sup>14</sup>, emphasizes the criticality of accurate measurements in detecting cyber threats, ensuring data privacy, and safeguarding digital assets, underscoring the need for robust measurement-

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<sup>13</sup> Ramyar Rashed Mohassel, Alan Fung, Farah Mohammadi, Kaamran Raahemifar, 2014. "A survey on Advanced Metering Infrastructure" International Journal of Electrical Power & Energy Systems. Vol 63, pp 473-484.

<sup>14</sup> Maconachy, W.V., Schou, C.D., Ragsdale, D. and Welch, D., 2001, June. A model for information assurance: An integrated approach. In *Proceedings of the 2001 IEEE workshop on information assurance and security* (Vol. 310, pp. 5-6). United States Military Academy, West Point. IEEE. And Norris, D.F., Mateczun, L.K. and Forno, R.F., 2022. *Cybersecurity and Local Government*. John Wiley & Sons.



based security protocols and risk management strategies to combat evolving cyber risks. These insights, as depicted in the literature, underscore the transformative power of measurement technologies in reshaping the digital landscape, fostering data-driven innovation, and ensuring the security and resilience of digital ecosystems in the contemporary era."

"Within the Islamic literature, the emphasis on measurement resonates with broader ethical and spiritual principles, underscoring the significance of integrity, fairness, and accountability in all aspects of human conduct. Works by Muhammad Iqbal and Seyyed Hossein Nasr<sup>15</sup> illuminate the Quranic teachings on just weights and measures, emphasizing the importance of honesty and transparency in trade, thereby fostering trust, equity, and social cohesion within the community.

Additionally, the literature highlights the metaphorical significance of precise measurements in symbolizing the divine order and balance in the Aayah, inviting believers to reflect on the intricate design of creation and the wisdom inherent within, ultimately encouraging a holistic approach to life that integrates ethical values with practical endeavors. These perspectives, as depicted in the Islamic literature, underscore the ethical and spiritual dimensions of measurements, guiding individuals toward a path of conscientious conduct, social responsibility, and spiritual contemplation in accordance with the teachings of the Quran."

All these literature reviews provide the overall picture of the importance of measurements in the contemporary world, as well as their influence on

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<sup>15</sup> Nasr, S.H. and Iqbal, M., 2003. Islam, science and muslims. *A Conversation With Seyyed Hossein Nasr. Islam & Science*, 1, pp.5-28.

different disciplines and the necessity to promote technological advancement and development in society.

#### **Facets of Measurements in Modern Era:**

5. The following are some of the areas that measurements in the modern era have been more focused: -

**(a) Metrology and Standardization:** The literature in this area is generally focused on the development of the measurement standards, methodology and technology, and therefore a special attention is paid to the role of the metrology in the aspects of accuracy and consistency in the industries.

**(b) Scientific Instrumentation:** There are many reviews in this area that look at the advancements of scientific devices and their impact on other scientific disciplines, such as nanotechnology to astrophysics, but highly focused on the accurate measurements as to its significance in advancing the limits of knowledge.

**(c) Data Analysis and Measurement Techniques:** This aspect of research has been discussed in literature reviews of the latest techniques of data analysis and how they can be applied to different industries, though the worth of precise measurements in enabling decision-making on the basis of the information and solving of problems is well-informed.

**(d) Environmental Monitoring and Measurement:** Surveys on environmental measurement technologies examine the application of measurements to environmental monitoring and mitigation of air quality, water pollution, and climate change to ensure the information of developing innovative tools to be able to measure the quality of air.

(e) **Healthcare and Biomedical Measurement:** The advances in healthcare and biomedical measurement technologies in the recent past are covered in the literature where its role in the diagnosis of the disease, effectiveness of treatment, and the treatment of the patients are identified and the importance of correct measurements in improving the health outcome can be effectively indicated.

(f) **Industrial Process Control and Automation:** The research papers in this field review the importance of measurements regarding the quality assurance of the product, enhancement of operational efficiency, and sustainable manufacturing processes.

(g) **Digital Measurement Technologies:** The recent trends of digital sensors and data acquisition systems and Internet of Things (IoT)-based devices are reviewed in review papers on digital measurement technologies and clarify the ways in which they are revolutionizing the data collection, data analysis, and decision-making processes in industries.

#### **Technology of Measurements (Metrology): The Holy Quran Viewpoint:**

6. The Holy Quran addresses the measurements and its implications in a number of Aayahs, which not only guide about this very important aspect of life but also illudes the readers and thinkers about concept of measurement embedded in every aspect of universe. A few examples are as under: -

(a) In the Surah of The Furqan Aayah 2 The Almighty says: -

وَحَلَقَ كُلَّ شَيْءٍ فَقَدَرَهُ تَقْدِيرًا ﴿٢٠﴾ (الفرقان)<sup>16</sup>

*(And Who created all the things and set them In the scale of a measure)*

This Aayah is a recollection of the purposeful concentrated precision which is worked into the mold of life in all that the Almighty Creator has brought forth. Despite the fact that his power is unlimited, each point of the creation is smartly planned and calculated to an accurate degree, which is the divine wisdom, and this is the reason behind the complexity of balance and order in the universe. The Aayah triggers the contemplation of the high degree of meaning of balancing and meaning in the natural world that causes the feeling of awe and reverence to the mindful design and the intentional creation of everything in the universe. It plays out the immense multi-faceted aspects of Godly knowledge and mission, and poses the query of how exactly the universe functions in its delicate harmoniousness to be quantifiable and the fine-tuning of the arrangement. Allah Almighty Who is the owner of all forces and knowledge can be the maker of everything and endowed everything generously, and not under any limit, as He Says in the Surah Al-Baqarah Aayah 20:-

إِنَّ اللَّهَ عَلَىٰ كُلِّ شَيْءٍ قَدِيرٌ ﴿٢٠﴾ (البقرة)<sup>17</sup>

*(Surely Allah is above all the powerful)*

The very precise creation of all with the aid of God puts the aspect

<sup>16</sup> Al-Furqan (2:)

<sup>17</sup> Al-Baqarah (2:20)

of judging the grand design of the Almighty as a quantitative as well as a qualitative matter. This significant attribute is commonly known as quantification and that is highly explained in the Quran. The location where the Almighty emphasizes the value of controlled generation and the premeditated and calculated appearance of all things in a well-challenged style is Surah al Hajr Aayah, 21. This is Godly insistence on measure, which testifies natural order and harmony in the universe, high wisdom and purport in the organization of things. The realization of the need to quantify is what makes the reader think of the vastness of the Godly knowledge, and of the reason and takes him to a higher state of thinking of how everything in this world is so complicated and things adjust and fit together.

**(b)** In Aayah 21 of Surah Al Hajr, The Almighty Says: -

<sup>18</sup> وَإِنْ مِنْ شَيْءٍ إِلَّا عِنْدَنَا خَزَائِنُهُ وَمَا نُنْزِلُهُ إِلَّا بِقَدَرٍ مَعْلُومٍ ﴿٢١﴾ (الحجر)

*(And there is of nothing, there is but with US the treasures thereof.*

*And We*

*it not down come down save in a measure known)*

The perfection of the divine process of creation is shown by the extreme precision of the Aayah according to which the field of balancing the universe and the order has been indicated. The Almighty has an inexhaustible means, but the Almighty in his infinite wisdom chooses to provide every one of the elements in a well proportioned quantity which leads to the high significance of

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<sup>18</sup> AL-Hijr (15:21)

the proportion and harmony in the natural world. The Aayah, by reminding us of the divine meaning of a proportionate giving, induces the thought of the natural wisdom and purposes which are intrinsic to the very fabric of the existence which in its turn contributes to a better valuation of the divine precision with which the universe is conducted.

(c) Yet, in Surah Yousaf Aayah 48, The Almighty Says: -

قَالَ تَزْرَعُونَ سَبْعَ سِنِينَ دَابًّا فَمَا حَصَدْتُمْ فَذَرُوهُ فِي سُنْبُلِهِ إِلَّا قَلِيلًا مِّمَّا  
تَأْكُلُونَ ﴿٢٤﴾ ثُمَّ يَأْتِي مِنْ بَعْدِ ذَلِكَ سَبْعٌ شِدَادٌ يَأْكُلْنَ مَا قَدَّمْتُمْ لَهُنَّ إِلَّا  
قَلِيلًا مِّمَّا تَحْصِنُونَ ﴿٢٥﴾ (يوسف)<sup>19</sup>

*(He told him: thou sowest seven years; and that he should reap in it ears, and leave a small part which he mayest eat. Then will an 7 hard years follow that will consume that which thou hasten prepared save a little which Thou wilt retain)*

The guidelines of resource Management of this Aayah are productive. The idea of wise use of resources and the value of prudence in the process of supplying them and shortages are also applied to this Aayah of Holy Quran. It also makes speculations regarding the need to plan ahead and be sustainable on the resource front whereby they must be distributed and stored properly in an age of plenty anticipating the future scarcity. This is good counsel on the importance of discretion in prediction and careful

<sup>19</sup> Yousaf (12:48)

conservation in dispersion, where prudent quantifying and prudent conserving has the most important part to play in making sure the future sustainability and survivability against all odds are established.

(d) In, Surah Sabha, Aayah 10, almighty Allah questions Hazrat Dawood (Peace be upon Him), thus: -

وَالْتَالَهُ الْحَدِيدَ ﴿١٠﴾ أَنْ أَعْمَلَ سِيغَتٍ وَقَدَّرَ فِي السَّرْدِ وَأَعْمَلُوا صُلْحًا (سبأ)<sup>20</sup>

*(Saying: Make thou complete coats of armour, and dispose the links, and work ye, righteously)*

The stress of the present Quranic Aayah of achieving and properly bonded armor, in full armed and properly structured connections, is a lesson that will not only live but live again in the art of perfection and correctness. It offers the soul of rough work and technical perfection that requires people to be interested in the best quality and utility in their products. The Aayah, with its preoccupation with wise design and utmost organization, advocates the general attitude of craftsmanship that stresses not just the endurance but the lightness of construction and precision and repeatability on the other, and re-creates on a different plane the same stable-portable tradeoff between one side and the other, or between accuracy and repeatability. It is a nice form of reminding the people to accept the idea of honesty and high quality on what they produce and instill the culture of responsible production and aware innovation.

(e) In the Surah Maryam, The Almighty Says: -

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<sup>20</sup> Al-Saba (34:11)

لَقَدْ أَحْصَيْنَاهُمْ وَعَدَّيْنَاهُمْ عَدًّا ﴿٩٤﴾ (مريم) <sup>21</sup>

*(Surely hath He understood them and was a Counting them Full Counting.)*

This is a Holy Quran Ayat that talks of the God of total accounting and correct measurement by the Almighty. It emphasizes on the careful accountancy and the correct measurement of every creature and thing and the smallest of the Godly understanding and management. This is the promise of God in the meaning of complete measuring as the testament of the care and thoroughness with which the Creator is watching every aspect of the world around him. It stresses on the standard of accuracy and responsibility of order of cosmic things, divine knowledge of all things and huge bracing of its location in the vast web of creation. This divine yardstick reminds us bitterly of the natural order and purpose that accommodates the universe resulting in a higher respect of the mere wisdom and prudence that was put in the designs of the universe.

(f) Again, in Aayah of Surah Al-Qamar, Allah Almighty says that, He had made everything to a measured quantity like it is in the Surah Al-Qamar: -

إِنَّا كُلَّ شَيْءٍ خَلَقْنَاهُ بِقَدَرٍ ﴿٢٩﴾ (القمر) <sup>22</sup>

*(Verily, everything! We have measured it by a measure)*

<sup>21</sup> Maryam (19:94)

<sup>22</sup> Al-Qamar (54:49)



This is the Holy Quran Aayah which translates to the fact that the Almighty has created measured things, and underlines the accuracy and sense which is within and predetermined in any particular aspect of life. It also emphasizes the aspect that everything in the creation is designed and developed to a given extent and this is the signifier of the conscious and deliberate thinking in the structure of the world. It is this description of creation in terms of accuracy of measurement which evokes the concealed pattern and oneness in the universe that introduces the abundant wisdom and purposefulness of the Creator. It causes us to ponder and be in the thoughts of the complicated oneness of exact detail and the harmonious balance that forms the natural world and the infinite depth of divine knowledge and intent that pervades all spheres of existence.

(g) This same idea was reiterated in Surah Al-Raad thus: -

اللَّهُ يَعْلَمُ مَا تَحْمِلُ كُلُّ أُنْثَىٰ وَمَا تَغِيضُ الْأَرْحَامُ وَمَا تَزْدَادُ وَكُلُّ شَيْءٍ عِنْدَهُ

بِقَدَرٍ ﴿٨﴾ (الرعد)<sup>23</sup>

*(Allah knoweth that which any female conceives and That wombs would and that which they excel at, and with Him all things are regulated)*

It is an excellent Quranic Ayah on the natural balance and rigid order of things according to which the Divine Creator keeps the

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<sup>23</sup> Al-Raad (13:8)

spheres of existences. Even the knowledge of how Godly wisdom rules over all the creation is a tragedy. The Aayah is also a hint to the reflection of natural order and arrangement of everything and the supreme truth that one must do things that are due. It is also the mirror image of the concept of heavenly proportions and the design method and gives the meaning of balance and proportionality as the most important elements of the natural order. this divine guarantee of proportionate harmony is an andragogy maxim and summons human being to the development of a feeling of proportion and moderation to his/her action, thought and activity leading to a more conscious feeling of the multivariate nature of the relationship between correctness and will in the universe plan. They go on to say that even the rain is streamlined in the best way of both the human being in quantity and quality.

**(h)** In the Surah Al-Zukhruf Aayah 11, The Allah Almighty says:-

وَالَّذِي نَزَّلَ مِنَ السَّمَاءِ مَاءً بِقَدَرٍ فَأَنْشَرْنَا بِهِ بَلْدَةً مَّيِّتًا كَذَلِكَ

تُخْرَجُونَ ﴿١١﴾ (الزخرف)<sup>24</sup>

*(And Who by the heaven water measures out; then We be life givers there With a dead : even so ye shall be brought forth)*

It is an Aayah in the Holy Quran that strengthens the meaning of measured bestowal, the imprecise and deliberate rain fall of water

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<sup>24</sup> Al Zukhrf (43:11)

in a specific amount. It betrays the divine play of ratified balance, the caution which the rhythmic process of life is inoculated with the balance and harmony. The Aayah also states the close interrelation that existed between measured resources and rejuvenation procedure or interdependence of divine gauging and rejuvenation of sterile soil. It will cause one to reflect concerning the way in which nature processes are carefully designed, how careful, cautious, thoughtful, industrious, is the minute fractionalization of resources. This picture of controlled sublimation and rest is a glorification of the divine order and structure of the natural world, and contributes to a higher realization of the complexity of the relationship between measuring, sustenance and life cycle, and its eternity in its regularity.

(i) There is another Aayah of the Surah Al-Momenoon which teaches similar teachings: -

وَأَنْزَلْنَا مِنَ السَّمَاءِ مَاءً بِقَدَرٍ فَأَسْكَنُوهُ فِي الْأَرْضِ \* وَإِنَّا عَلَىٰ ذَهَابٍ بِهِ

لَقَدْ ارْزُؤْنَ ﴿١٨﴾ (المؤمنون)<sup>25</sup>

*(And We send down the skies Water in measure, and We made it rest in the earth; and surely to remove it We are Able).*

(j) Another longitude of measure is described in the next Aayah of Surah Younas:-

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<sup>25</sup> Al-Momenoon (23:18)

هُوَ الَّذِي جَعَلَ الشَّمْسُ ضِيَاءً وَالْقَمَرَ نُورًا وَقَدَرَهُ مَنَازِلَ لِتَعْلَمُوا عَدَدَ السِّنِينَ

وَالْحِسَابَ (يُونُس) <sup>26</sup>

*(He it is Who hath made a glow The sun and the moon a light, and hath fixed mansions to her That ye may know the number of the years And reckoning)*

It is an Aayah within the Holy Quran that supports the deity of keen design at the heavens wherein the placement and site of the sun and the moon are under stringent care and foundation of the design in the universe.

It brings to the fore the idea of systematic cosmic balance, when these bodies in the sky play the major part in time tallying and years counting. The Aayah alludes to the intricate interplay between celestial movements and the measurement of time, underscoring the underlying wisdom and purpose woven into the cosmic order. It invites contemplation on the inherent balance and harmony within the celestial realm, emphasizing the profound depth of divine knowledge and governance. This portrayal of measured cosmic phenomena serves as a testament to the deliberate and mindful design embedded within the fabric of the universe, fostering a deeper appreciation for the intricate interplay between precise measurements, celestial phenomena, and the cyclical nature of time. In above mentioned Aayah states that Almighty Allah has even optimized the movement of sun and

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<sup>26</sup> Younas (10:5)

moon for the benefit of the mankind.

(k) In Surah Shurah Aayah 27, The Almighty Says: -

وَلَوْ بَسَطَ اللَّهُ الرِّزْقَ لِعِبَادِهِ لَبَغَوْا فِي الْأَرْضِ وَلَكِنْ يُنْزِلُ بِقَدَرٍ مَّا يَشَاءُ اللَّهُ بِعِبَادِهِ خَبِيرٌ

بَصِيرٌ ﴿٢٧﴾ (شورى)<sup>27</sup>

*And had Allah expanded the provision for His bondmen they surely would have rebelled in the earth, but He sendeth down by measure as He willeth; verily He is, in respect of His bondmen. Aware and Beholder.*

In this Aayah of Quran, emphasis is placed on the divine action of calculated dispensation where there is an emphasis on the conscious, willful distribution of food to mankind. It brings about the idea of judicious circumspectness which is the ultimate knowledge of the wise and prudent resource dispensation. is the pertinence of measured giving in the upholding of the order and averting surplus and the divine intuition of the human nature and the need to gain measured giving to avoid anarchy and imbalance. it reminds us of the acumen of the importance of measured bestowal, which underlines the weakness of the correlation between profusion and moderation in human experience. It is an image of measured provision; it is a eulogy of the divine inspired wisdom and insight settled in the very material of the being and somehow a constituent in a more appropriate conception of the interaction complex which exists between measured provision and human act on the one hand, and the maintenance of harmony on

<sup>27</sup> Shora (42:27)

earth on the other.

(l) In Surah Abs Aayah 18-19, The Almighty Says: -

مِنْ أَبِي شَيْءٍ خَلَقَهُ ﴿١٨﴾ مِنْ نُطْفَةٍ خَلَقَهُ فَقَدَرَهُ ﴿١٩﴾ (عبس)<sup>28</sup>

*Of a drop of seed. He molded him and fashioned him in a measure.*

The Holy Quran Aayah is also employed to affirm the divine action of creating something, but it is also intended to emphasize that the creation of the humankind was made so accurately and deliberate. It emphasizes the concept of restrained creation as deliberate and conscious thought, which is a formalized in all the areas of human life. The Aayah is the harmony and the order that had been applied in the creation of the human life implying the divine knowledge of all the complex details and proportions. It causes the deep meaning of the quantifiable creation to be reflected and the flaws of the relations of the divine knowing and human body complexities. It is a calculated hymn of eulogy to the divine knowledge and deliberateness of the intricacy of human life that follows the human being in the achievement of a higher thought of the inherent harmony and functionality that can be experienced and infused in the very substance of human life.

(m) In the Surah Al-Hajr Aayah 19, The Almighty Says: -

وَالْأَرْضَ مَدَدْنَاهَا وَأَلْقَيْنَا فِيهَا رَوَاسِيَ وَأَنْبَتْنَا فِيهَا مِنْ كُلِّ شَيْءٍ مَوْزُونٍ ﴿١٩﴾ (الحجر)<sup>29</sup>

*And the earth! We have stretched and cast on it mountains firm*

*And We have caused to spring up thereon everything weighed.*

<sup>28</sup> Abs (80:18-19)

<sup>29</sup> Al-Hijr (15:19)

This is a quote in the Holy Quran about the creation process by God, a balanced and divine one and how the earth was made taking much care and in a well balanced manner. It highlights the idea of moderate sustenance which is used to represent that higher level of intelligence of much smarter order of things and equal maturation of all living creatures of the planet. This Aayah makes us conscious of the fragile harmony and arrangement of the natural world in which there is a divine intelligence of all the type of elements and the amount of sustenance required to bring that element into existence. It also provokes us to think about the powerful consequences of moderation and restraint and the deed of the divine knowledge and the complex look of the earth ecosystem. This phrase of computing nourishment is the acclaim to the divine wisdom and purposefulness that is in the natural world and adds a higher idea of appreciation to the natural equilibrium and purpose embedded into the system of the ecosystem of earth.

(n) In the Surah Al-Rahman Aayah 29, The Almighty Says: -

وَالْقَمَرَ قَدَّرْنَاهُ مَنَازِلَ حَتَّىٰ عَادَ كَالْعُرْجُونِ الْقَدِيمِ ﴿٣٩﴾ (يُسِينَ)<sup>30</sup>

*And the moon! We have ordered it mansions to it, till it returns as the ancient branch of a palm-tree.*

This Ayah of the Holy Quran exposes the idea of a controlled natural movements and the names that were selected and calculated respectively and selectively the stages of the moon and the path

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<sup>30</sup> Yaseen (36:29)

that it chose. It underlines the image of slow motion that is an image of a high intelligence and conscious purpose of cycles of moon phases. The Aayah would operate with the intricacy of the arrangement and organization in the celestial world and consequently the divine knowledge of direction of the moon and the intelligent computation of the celestial movement. It creates the impression of the immense consequence of the factual motions of the heavenly bodies and highlights the insignificance between the divine knowledge and the heavenly order. It is an extension of the thought divine movement, an affirmation of the divine wisdom and willfulness of the intricate relationships of the universe of the divine order, a deeper understanding of the natural balance, of the natural end for which is predestined the fabric of the celestial events.

(o) In Surah Luqman Aayah 16, The Almighty Says: -

يُنَبِّئُ أَنَّ تَكُ مِثْقَالَ حَبَّةٍ مِنْ خَرْدَلٍ فَتَكُنْ فِي صَخْرَةٍ أَوْ فِي السَّمُوتِ أَوْ فِي الْأَرْضِ يَأْتِ

بِهَا اللَّهُ إِنَّ اللَّهَ لَطِيفٌ خَبِيرٌ ﴿١٦﴾ (لقمان)<sup>31</sup>

*O my son! though it be but the weight of a grain of mustard-seed, and though it be in a rock or in the heavens, or in the earth, Allah shall bring it forth. Verily Allah is subtile, Aware.*

This is a Holy Quran Aayah, which broods upon the theme of the right counting and awareness, and insists in the degree of extreme care and caution of all actions and motives even the slightest ones. It emphasizes the rule of measured responsibility which is

<sup>31</sup> Luqman (31:16)



affiliated with the most prudent and noticeable wit and with the critical sight of the very close examination even of the slightest actions and will. The Aayah is the equilibrium and order in the divine contrasting with the emphasis in the understanding of all the aspects of the human being. That makes a man reflect on the spiritual sense of the calculated responsibility and the flimsy balance between the Godly understanding and the elaborate structure of the human activity. This representation of controlled responsibility, is another attestation of the divine wisdom and pre-thoughtfulness of the complex processes which regulate the life of human beings bringing to life a higher value, which is instilled in the very form of human life.

#### **Conclusion & Lessons Learnt:**

7. The paper has touched on the pertinent issues of importance of measurement in the Creations of The Almighty Allah that signifies certain key things that can be learnt by the Muslims in particular and human beings in general. Few of these are summarized in the following way:

(a) This doctrine has been stated in the Quran, meaning that the resources provided by the Divine are aptly measured and distributed and it is a calculated and proportional gift. It brings out the fact that the human race must be extremely serious at gauging and keeping an eye on the utilization of these resources. The wastefulness or excessive consumption is represented as the violation of the natural order and balance in nature and it is desirable to be sensitive about the responsible use of the resources and creation of a culture of a sustainable use. This belief can help people understand the value of every resource that should be transformed into the attitude of gratitude, responsibility, and wise

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use of relations with the nature and society.

**(b)** This principle validates the relevance of measurement in the valuing of the entire dimension of different entities and resources that can make people make effective decisions using precise and full information. The measurement of various spheres of life and environment provides humans with the knowledge of the most effective use of resources and their further planning. This also contributes to the quantification of some items that cannot be measured currently, therefore, another point of view of their importance and contribution to the overall picture of life. With the philosophy of holist approach towards measurement spreading the principle also allows the culture of the prospective and active decision-making use that allows individuals and societies to preempt the challenges and make informed decisions to achieve sustainability and long-term well-being. Weighing brings the weight discrimination. Until it is measured, and its abundance is held to be, its significance and its scarcity are unknown and forgotten.

**(c)** The progress of humanity, facilitated by the foundations of mathematics, has hinged upon the fundamental principle of measurement. It has enabled the capture and utilization of various phenomena, driving innovations and discoveries that have significantly eased human life and advanced societal development.

**(d)** The limited practice of measurement in the Muslim world has resulted in an unquantified and unjustified abundance of resources, leading to a situation where a significant portion of these resources has been acquired by the Western world.

**(e)** In the light of The Holy Quran, individuals are encouraged

to adopt a measured approach to life, emphasizing conscious resource management, ethical conduct, and a balanced outlook. The Quranic teachings underscore the importance of accountability, reflection on actions, and responsible environmental stewardship. By incorporating these principles into their daily lives, individuals can cultivate a sense of integrity, mindfulness, and harmony, contributing to their personal well-being and the greater good of society.



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