

Complete Control of Climate Change and Its All Calamities and Rocketing the Floods of Worldwide Opportunities Lies Only and Only in Pakistan-Based Global Air Conditioners

Malik Muhammad Nazeer
Islamabad, Pakistan

ABSTRACT

Global Heating (GH) is alone cause of Climate Change (CC) resulting into its all Scariest Climates Calamities (SCC). And almost 86.4% cause of present too large GH growth rate (GHR) is the blunder of **Indus Basin Water Treaty Implementation (IBWT)** in 1960. This has disabled the naturally operated unique Global Air Conditioner (**GAC-I**) by averting its Freon, the water irrigating southeastern Pakistan to India. The role of all other GHR contributors including Greenhouse Gasses (GHG) is only remaining 13.6%. The **IBWT** made GH/CC a butcher of the Earth Globe (EG) environment making the annual Global heat dissipation budget (GHDB) 41.1% deficit since 1973 in place of 5.6% before 1960, It is continuously boosting CC/SCC intensities with continuous EG heat accumulation (GHH). Targeting 13.6% part for control of GH/CC/SCC can never control more than 6-7% with all possible efforts. The **only and only viable solution** of this Nightmare is in enabling **GAC-I**, along with **GAC-II & III**. If these 3 parts of GAC are mobilized immediately, it will restore back the safe Global Environment Status, perishing all the CC/SCC and their all terrible **multi dimensional further aftermaths**, making GHDB surplus by 58.44%, thus **boosting and streamlining Global rainfall and water flow circulation to 352%** and draining out all the **982 ZJ** additional heaped heat (GHH) since 1960 by about **2086**. Not only confined to this, but it will also result in too many huge multi prongs most beneficial opportunities with huge socioeconomic revolution over the entire Globe. The 4 aspects; the huge human blunder behind this CC nightmare, diagnostic based CC/SCC viable end, GAC role Globility and resulting **flood of Global opportunities** are elaborated in this work.

Keywords: Human Blunder Behind Climate Change, Divinely Crafted Unique GAC, Reverse gearing of CC, reversal of Polar/Glacier ice melting and Oceanic Levels growth by Pakistan based GAC and Indian Air Wheels as its Evaporator and Condenser

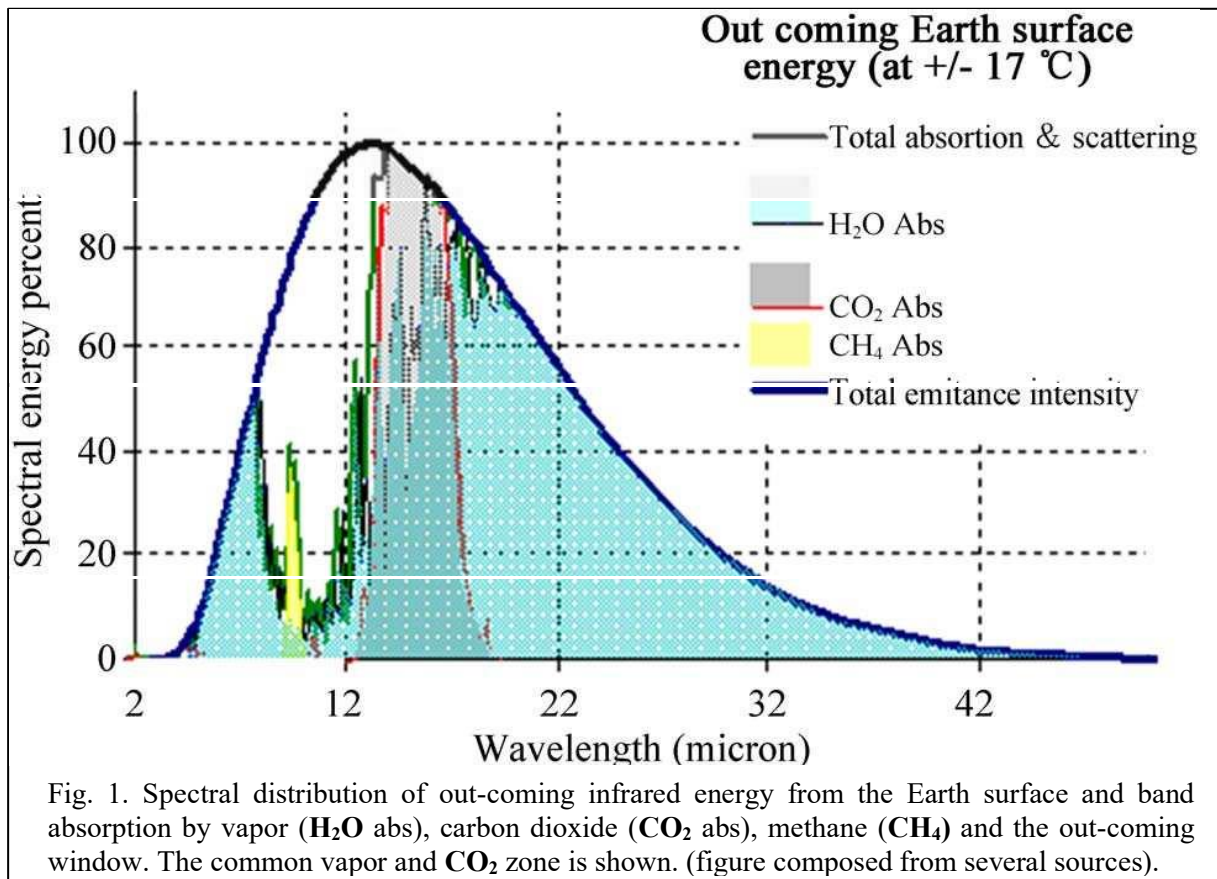
Symbols and Legends:

CC	Climate Change	IAW	Vertically rolling Indian Air Wheels
CCC	CC Control	IBWT	Indus Basin Water Treaty Implementation
EG	Earth Globe	IBIAW	IBWT affected IAW
GH	Global Heat	CGPS	CO ₂ , GHG, pollution, soot and smog
GT	Global Temperature	CTRT	Chulistan, Thal, Rajasthan & Thar deserts
GHH	Global heat heape	SCC	Scariest Climates Calamities
GHR	Global Heat input Rate	SDG	Sustainable Development Goals of UNO
GHG	Greenhouse gasses	AMOC	Atlantic Meridional Overturning Circulation
GHD	Global heat dissipation	UNO	United Nation Organization
GHDB	GHD annual Budget	WUUFGA	World Bank, USA, UK, France, Germany & Australia.
GAC	Global Air Conditioner	AALPDP	Agri/Aquaculture, Livestock/Poultry & Dairy Products
IR	Infra red waves	NAH	North Atlantic Hurricanes
FF	Fossil Fuels	NAHJ	a NAH only in early June
NHS	Northern Hemisphere	IPCC	Intergovernmental Panel on CC
ZJ	Zeta (10 ²¹) Joules heat	SLV	Solar, Lunar & Venus
PRF	Pacific Ring of Fires	ICJ	International Court of Justice
CTP	Climate Tipping Points	WGMS	World Glacier Monitoring Service

Introduction:

All Climates Calamities are crossing extremely horrible limits [1, 2] including Oceanic level rise, Global Temperature (GT) growth, dangerous activation of Pacific Ring of Fires (PRF) and perishing of all ecosystems etc. Oceans are also boosting number of other Scariest Climate Calamities (SCC) with the help of their heat contents and temperature dynamites. In other words, Oceans are multifunctional tool promoting Climate Calamities with the help of their accumulated Global Heat Heap (GHH). Contrary to a few years back, when scientific community was divided on the very existence of Climate Change (CC) and Global Heating (GH), it has now created some what consensus over its existence and GH as its cause, but there are yet too many wrong standings highly needing corrections. Most of the stakeholders are of the view that CO₂ concentration in the atmosphere is main cause, partly through heat absorption and partly through earth IR radiation obstruction/reflection in spite of the fact that no definite relationship has been found between the GH and the atmospheric greenhouse gasses (GHG) concentration [3]. Even, the IPCC's reports are unconvincing and are with lacks of any support to any link between these two [3]. Moreover, the efforts of GHG reductions by means of all resources have turned out with no result to stop or even slowing down the GH growth: the Globe is still getting warmer and warmer, especially in the recent years, at record breaking rate each year [3]. In context of Global warming or climate change, the GHG supporters have even not considered seriously the huge amount of waste heat (almost 80% of the directed from input for human energy needs) being poured into the climate system from human activities [3]. They have not even considered direct heat due to volcanic eruptions, large wildfires, huge explosive use in warfares, nuclear tests and other geothermal energy contributors. From chemical point of view analyzing molecular structure and polarity of H₂O and CO₂ molecules and radiation spectrum, [4] concluded that heat absorption by the amount of atmospheric water vapors resulted directly or indirectly by human activities with its molecular heat absorption capacity is 60-74%, while CO₂ has 20-24% and all other gasses 8-12%. The concentration of H₂O in atmosphere is also very high and thus, GHG affect of CO₂ is no where: approximately 400 ~ 3600 or 1 ~ 9-12 time in both obstruction and absorption. Also [5] concluded that Global temperature do not follow CO₂, rather otherwise is true in some times domains, not always, whereas decreasing temperature is not followed by CO₂ decrease. He also has shown band absorption by vapor (H₂O abs), carbon dioxide (CO₂ abs), methane (CH₄) in the out-coming window (Fig. 1), which indicate their comparative role. As per [6] IPCC claims about CO₂ role are questionable and water vapour accounts for approximately 87% as compared to CO₂ only 10%. Majority of the stakeholders are engaged in dealing with the consequences and aftermaths of this issue, completely ignoring its cause and diagnostics based competent treatment [1, 2], whereas the real and perfect solution of the issue can never ever be achieved without eliminating the main cause. Almost all stakeholders are contented on wide spread gossip that the major contributor to the CC issue is CO₂ and the other GHG, which block the Earth IR radiations to the outer space. This mythology has not only de-tracked the efforts for solution of this issue, but also created a huge contention too, between Scientific Community and petroleum industrialists, the producers of fossil fuels (FF) resulting in GHG including CO₂. Some researcher charged H₂O with 87% responsibility as compared to CO₂ as 10%, but they could not manipulate it into Global heat dissipation, while some researchers could not go beyond El Niño and La Niña. Irrespective of the numbers, nature, role, stature and limitations of all positive or negative contributors, **The Nature has exposed a unique solution through irrigation water of Pakistan, complete in all respect and with a limited human role**. As per Quranic saying **وَجَعَلْنَا مِنَ الْمَاءِ كُلَّ شَيْءٍ حَيٍّ** and **We have made from water every living thing**, He has made water, particularly irrigating Pakistan as safety of life on EG. This is exposed, showing a working example of **Indus Basin Water Treaty**

Implementation (IBWT) indicating it as a major (86.4%) cause behind present CC/GH by blocking 14.235 ZJ/year Earth Globe heat dissipation route towards Troposphere as discussed below. This solution was crafted by *The Nature* complete in all respect with a minor human role of available water flow regulation and its surface extension through irrigation only within Pakistan. This solution approach is **absolutely new, unique, based on solid scientific principles with solid reasoning and proofs, never pointed out in any scientific journal or social/print or electronic media except by this author.**



Guidance to Climate Change Rollback Process:

With Natural guidance, the culprit behind GHH/CC/SCC is found through diagnostic analyses of the following observations and thus an ideal and unique solution is arrived at.

1. Earth Globe (EG) heating rate (GHR) 2.245 ZJ/year before 1960 by all contributors jumped to 16.48 ZJ/year during 1960-73 as estimated from graphs of Fig. 2 [7-12]. This also showed extraordinary departure, rather *take-off* of both land and oceans temperature from their previous normal trend (Fig. 3) without any significant change in any of the previously known contributors. Also, this new GHR is carried on almost continuous since 1973 against the behavior of all time bound heat forcing activists.
2. Heating rate of Earth Northern Hemisphere (NHS) and melting rate of northern polar and glaciers ice are both more than that of Southern---58%~42% [13]. ***It means that the new contributor to Global Heating is oriented more towards north side of the Equator.***
3. World's largest heat containers, the Sahara and Middle East deserts are in NHS.
4. North side of all Oceans is heated more than that of their South [9, 11, 13, 14]. This shows that ***new Heat source and its transport system are both in NHS.***
5. Global atmospheric air movement on both sides of equator is from east to west [15, 16].

6. Easterlies/monsoon move from east to west under Solar/Lunar traction over the west to east rotating earth. **Thus, heat of this new source must also be moving mainly from east to west with heated air as its main carrier.**
7. Heat contents of Atlantic Ocean is at top of the list, then southern, then Indian and then Pacific [13] in spite of the fact that their surface areas are **23.5%, 6.1%, 19.5%** and **46.6%** respectively of oceans total surface area and similar ratio is of their volumes too. Surface area being heat entry gate and volume as storage capacity, thus contrary to their area and volume, their heat input intensities must be proportional to their heat contents overruling both area and volume roles. This **indicates that new heat source is on east of Atlantic and north of Indian Ocean, hence its exposure is more intensive to Atlantic on its west and Southern on its south, both under direct main attack, then Indian and too least is Pacific.** Thus, five most important findings **are revealed, that contributor of this additional heat is (1) a new one, other than all previous in vision, (2) of extra-large heat flow, (3) with continuous contribution without brakes, (4) has forced its entry by 1960 and became grown up by 1973 and (5) location of its distribution system is in NHS.** No extraordinary large activity matching the timings, statures, space/location limits with continuous forcing is found in any of the contributors already in action, nor even **any extraordinarily solar activity.** Thus, **this extraordinary huge growth of both heat and temperature may be by any new contributor, not in the present vision.**

Within the above stated limits, no other extraordinary matching event has been found except, **Indus Basin Water Treaty implemented (IBWT)** in 1960, which shifted water flow of eastern three Pakistani rivers to India during 1960 to 1970. This water was the **Freon of the Naturally Operated Global Air Conditioner (GAC-I)**. This, **GAC-I** was dissipating the heat of Sahara and Middle East deserts to Troposphere before 1960 and thereafter this was disabled during 1960-1973 and accordingly this Global heat from worlds largest heat zone started poring into **GHH**, which reached to its peak 16.48 ZJ/yr by 1973, from 2.235 ZJ/yr in 1960 with 3 year **logical** lagging the **IBWT** shifting completion by 1970. The vertically westward rolling Indian Air Wheels (**IAW**), generated at Chulistan, Thal, Rajasthan and Thar (**CTRT**) deserts of Indian subcontinent by solar radiations upon the eastward rotating **EG** were the evaporators, absorbing water with its evaporation Latent heat at their bottom on the earth from environment and condensing water vapors at their top in Troposphere into rain and snow to fall back over earth, while the said carried heat to outer space, completing the water cycle [11], **as long as the required water was available from the said 3 Pakistan rivers till 1960.** Thereafter, that heat is being pumped into rest of the **EG** starting by 1960 (grownup by 1973), when that water started shifting to India. The calculations based on realistic assumptions of all logical contributing parameters [11] show that **GHR** is almost equal to the aftermath of **IBWT** disabled **GAC-I** [17, 18] and thereby switched the **GH** flow to earth in place of its dissipation to outer space. Thus, all the footprints of present **CC/GH** tragedy lead to **IBWT** blunder, with 3 years lag, all logical in its step by step followup.

8. Both this water and its irrigated area of Pakistan were found to be the unique Freon and unique Freon feeding port of **GAC-I** transporting **GH** to the Troposphere before its disability by **IBWT** [11]. The **IAW** are navigated jointly by Solar, Lunar and Venus (**SLV**) continuously varying gravitational drag within a year [19] depending on their location with respect to **IAW** along with coastal winds drag, Centrifugal and Gyroscopic forces effects. The main target of this de-tracked heat was surely the Atlantic Ocean, **NHS** itself and northern side of all oceans more as the **IBWT**, **GAC-I**, Pakistan, Middle East, Sahara, **IAW** and **CTRT** deserts are all in **NHS**.
9. Also, the **IAW** generated as trains of air wheels splits into **three parallel rolling IAW**

trains with Chulistan+Thal, Rajasthan and Thar deserts as their 3 distinct bases with different mutual relative speeds, temperatures and differential interfaces due to their different Longitudes and Latitudes based locations and different distances from the Tropic of Cancer and Equator, hence, a bit relatively different heat and water contents, rolling speeds and SLV traction.

10. Every year from July to end of November, North Atlantic Hurricanes (**NAH**) and storms take birth in India and Pakistan [20, 21] in form of 1-3 trains of **IAW**. The central one lands on USA as train of **NAH** and generally northern too, but rarely all three. However, very soon with **GT** and **GHH** further growth, all the three **NAH** trains separately or merged together are likely to land well deep and wide areas inside USA. The southern train is generally forced towards south with initial southward kick by Land to Sea coastal wind and late-year **SLV** strong southern traction. This confirms close dependence of **NAH** on **IAW** and **IBWT** aftermaths with 10-12 days travel time and their intensity and frequency strictly depends on irrigation water scarcity in Pakistan.
11. The Indus River flow quantity and **NAH** frequency match together in sense and magnitude as their drivers, the Monsoon and **IAW** are navigated by the same **SLV** [19], but **NAH** are much boosted during Venus first **summer** transit and diminished in sense during later **due to their relative location by booster and resistive action on IAW motion**. This confirms the **SLV** active role in dragging the **IAW** all over the World.
12. Extraordinary Growth of about 15 **NAH** parameters within **IBWT** era confirms their close dependence on IBWT [20]. **SLV** and other physical parameters' are directing and tracking **IAW** in a year (Fig. 4) combinedly show the Global role of IAW and GAC. This also confirms close dependence and follow up of **NAH** intensity/frequency and all Calamities growth with time on **GHH** growth with time by **IBWT** aftermath.

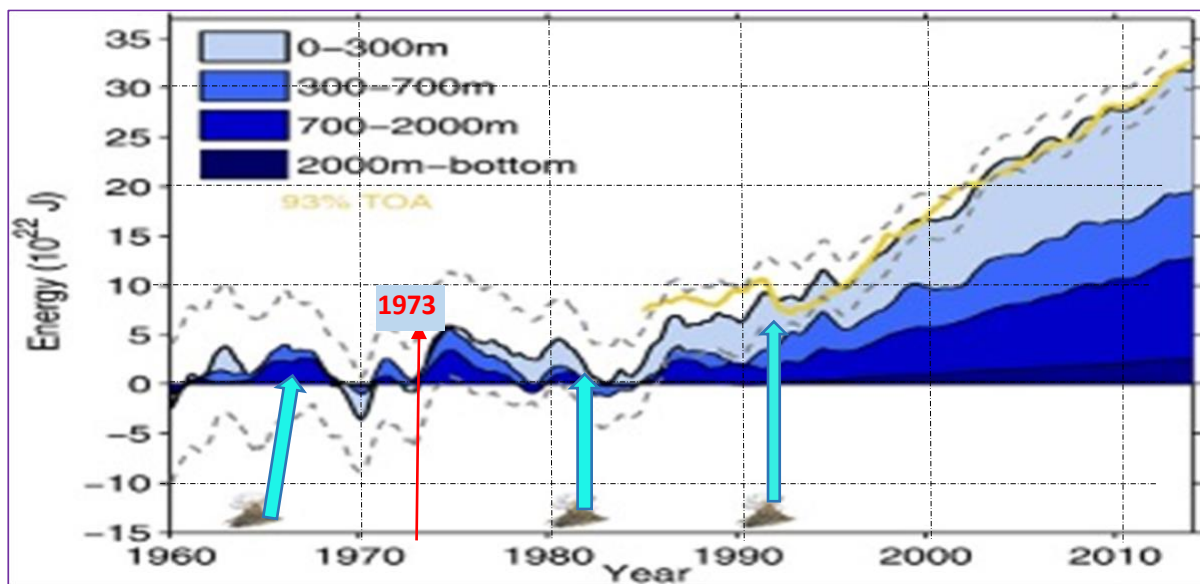


Fig. 2 The graphs above show the Estimate of the ocean energy budget relative to 1960-2014 base period, and is claimed to be more realistic. The three major volcanic eruptions are also shown and their ultimate cooling effect may clearly be observed. The oceanic total heat is 93% the total Global heat contents and only 7% is the total heat energy of land + ice + atmosphere.

The annual rate of total Oceanic heat rise= $10 \times (31.8 + 19.15 + 12.75 + 2.3) / (2014 - 1971) = 15.33 \text{ZJ}$

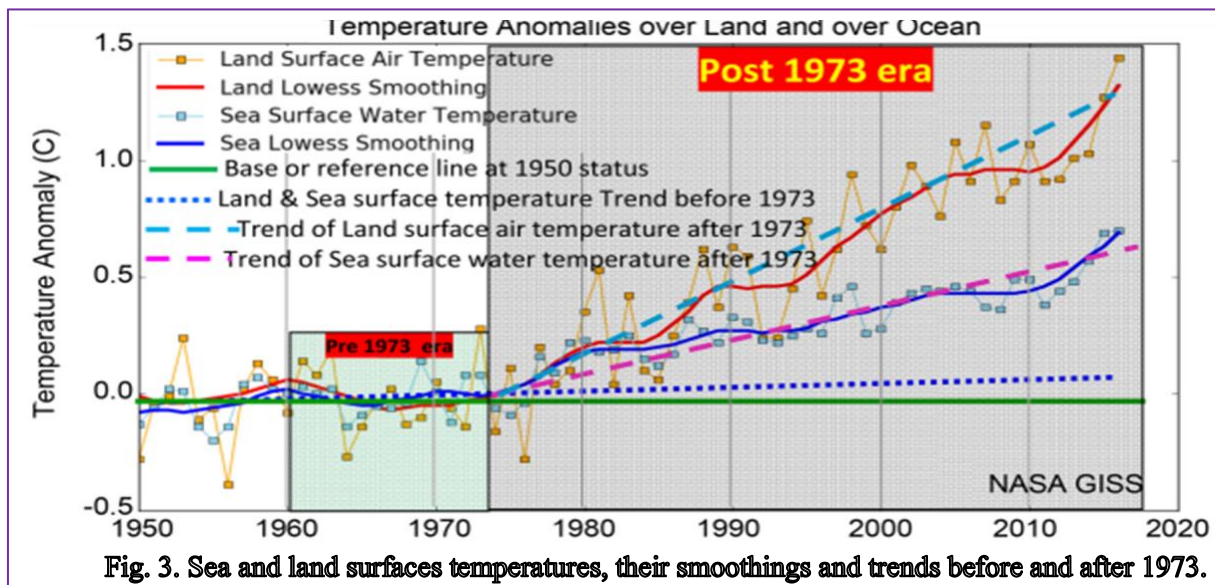


Fig. 3. Sea and land surfaces temperatures, their smoothings and trends before and after 1973.

13. The permanent sustaining of 16.48 ZJ/year addition rate with minor fluctuations (Fig.2) leads to the fact that this new activity is sustaining continuously due to the Pakistani area's permanent deprival of matching irrigation water by IBWT.
14. Throughout IBWT era, both polars and glaciers ice increasing melting rates experience huge brakes by large decrease in their rates (Fig. 5) following the footprints of evaporation of flood water entrapped and absorbed in flooded area of Pakistan (Fig. 6), in their initiation-time, rate and duration [11] along with matching fluctuation in GHH graphs (Fig. 2) [22]. This confirms GAC cooling performance over all the Earth Globe.
15. The Sahara and Middle East deserts lacks in water availability, thus their heat contents were mainly dissipated by GAC-I with IAW rolling over these, using Pakistani water again and again as Freon before its reaching the earth. This means that rain water gets all needed evaporation heat and returns to Troposphere, pumping heat of upper layers reducing IAW diameter and increasing rolling frequency. It also means that GAC-I has much more heat dissipation potential, if IAW are fully charged with water vapors and that is quite possible in form of GAC-III, with water availability through flood water storage in dams and regulating the irrigation flow for its surface extension on huge barren areas in place of its going to sea of fixed surface area (Fig. 6). After IBWT disabling GAC-I in 1960, all this heat is being transported by dry IAW to all EG.
16. The 2022 disastrous heatwaves and wildfires throughout EG were triggered by scarcity of irrigation water in Pakistan due to Indian unauthorized control of river Chenab over & above IBWT [23]. This resulted in heatwaves and various instances of wildfires in Pakistan. The aftermaths of this in form of extraordinary heat and high temperature were carried over the Middle East and then to Sahara by April to June spell of IAW, where these were further boosted in intensity to very high limits. Then, IAW carried these terrible heatwaves and catastrophic wildfire to Europe and Russia. Thereafter, these went to Eastern Russia, China and Pacific and here these absorbed water as per their remaining heat contents and this resulted in scariest rains and disastrous floods in India, Pakistan and some parts of Middle East (Fig. 4 tracks under 1A) during September-October [23]. This confirmed the IBWT terrible role, boosted by Indian obstruction of irrigation water of Pakistan from Chenab river. Meanwhile after May/June Eurasian trains, the subsequent follower IAW spells carrying heatwaves absorbed by IAW carried on their activities on NHS till Far-east and then Southern part of EG from eastern coast of Indian Ocean towards its east till the east of its western coast.

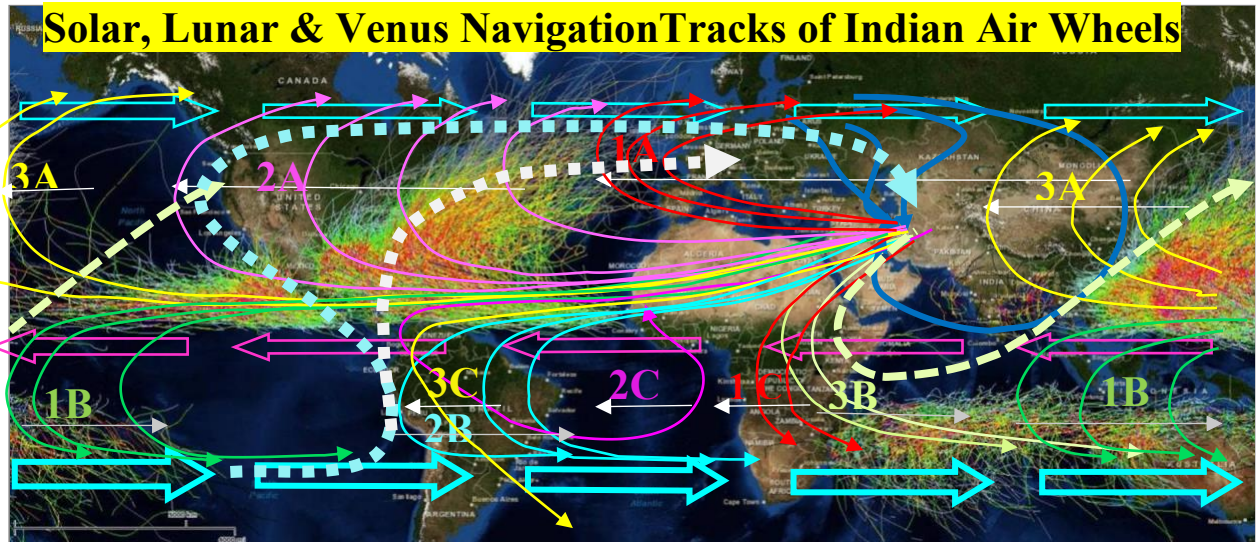


Fig. 4. Yellow, red and green multi-color lines are tracks of hurricanes and storms [21, 25]. Pink boundaries wide arrows are Easterlies and that with cyan are Westerlies. The other colored lines are tracks of IAW. From April to June tracks of IAW are shown by red and their end by blue arrows beneath the white arrow 1A stated as Eurasian Trains Group. These are mostly of closed loop starting and ending at Pakistan. From late June to early September pink arrows under white arrow 2A show the tracks of next IAW/NAH and Northeast Pacific storms including Pineapple Express or atmospheric river (white dashed lines) attacking USA [33] with some fallout on Europe and northern Asia, while those beneath 3A are IAW tracks (yellow) in form of storms, tornadoes/twisters hitting Far East, China and Japan. The tracks of their southern fallout shown in corresponding colors are 1C, 2C and 3C. Their sequence in time is 1A, 2A and 3A with 1C, 2C and 3C from east to west even within the group too. The sequence in southern hemispheres groups is 1B, 2B and 3B from west to east in the next six months. In NHS, the IAW end in Northern Westerly following the preceding one forming train, while in the Southern these meet their follower at southern westerly jointly boosting the westerlies. The fallout of Australian heatwave is snowstorms shown by cyan and white dotted lines.

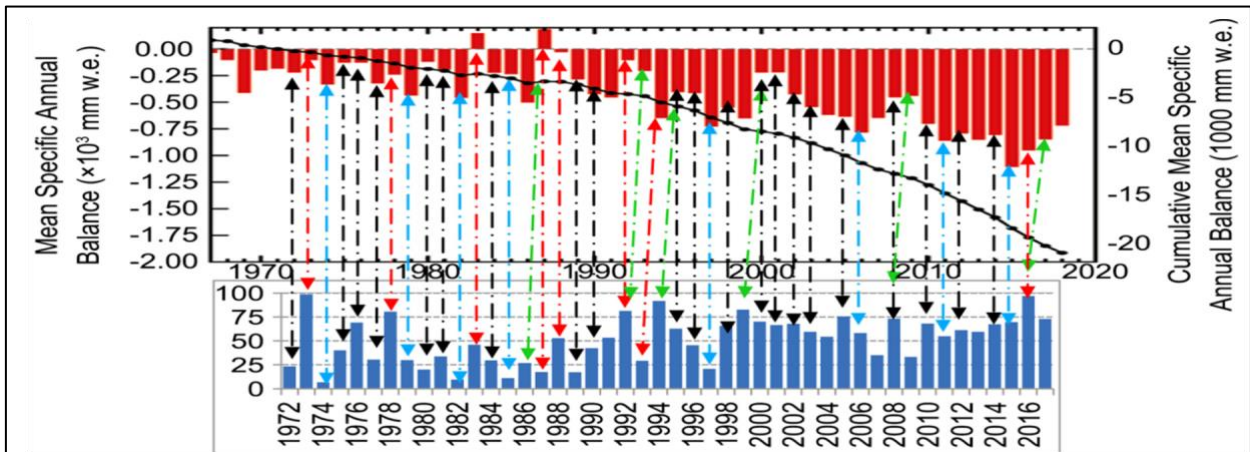


Fig. 5. Upper red bars graph shows year wise mass balance of WGMS 37 Alpine reference glaciers since 1968, while total mass loss over time is black line. (Credit: State of the Climate in 2018. Bull. Amer. Meteor. Soc.) The blue bar graph is flood water (1972-97) drained to Arabian Sea, whereas, 1998 onward is Indus total flow. It is assumed that a proportionate quantity has rushed to flooded area, a portion absorbed and a portion entrapped, standing in flooded area and ultimately evaporated to feed GAC partly in this and rest in the next years, particularly when its quantity is large. This is not exactly the same as Component Rivers have different ratio of the flow caught for to evaporate and that drained to Arabian Sea. From mutual comparison it is clear that glaciers melting rate closely (about 80%- 90%) responds to cooling by GAC fed by Pakistani Floods. Red markers show higher melting and green less showing effect in the next year too and reverse for blue, while black show relative instant response.

17. Record breaking Heat and Temperature was observed in Oceans during 2023 [24]. It was primarily due to 2022 heatwaves and secondly due to the obstruction in cold water addition from polar and glacier ice melt because this melting was obstructed heavily by atmospheric cooling in 2023 by **GAC** fed from Pakistani scariest floods water of 2022.

On the pattern of **GAC-I**, if the other possible irrigate-able areas in southern Pakistan are irrigated too, then another 15.78 ZJ/year heat dissipation by **GAC-III**, with about 43.5 MAF irrigation water is possible [22] and this is much highly needed for **CC/SCC** solution and 982 ZJ **GHH** drainage. This water availability is possible along with start up of **GAC-II** with 9.893ZJ/year heat dissipation potential, if all possible multiyear water storage Dams (about 488-500 MAF capacity) and optimum irrigation system are developed. The storage sites are naturally available along with initially 146 MAF (revised for 37 year monsoon cycle from 143 MAF of 40 years average with repeated 3 drought years) annual average available water flow [42] and all the necessary arrangements are naturally available for boosting it to annual available flow for boosting it to annual average 393 MAF average, perfectly matching with the needs of both **GAC-II & GAC-III**. If the 39 MAF water shifted to India by **IBWT** is **immediately** reverted to Naturally operated **GAC-I** then, **GHH** dissipation will start immediately mainly from Sahara and Middle East to troposphere at the rate of 14.235 ZJ/year, while functionality of **GAC-II** will need minimum 10 years and that of **GAC-III** at least 20 years. Hence, the total 16.48 ZJ/yr heat input to **EG** will soon reduce to **2.245 ZJ/yr** and thus, further growth of its resulting calamities will reduce to 13.6%. After about 10 years, the heat addition to **EG** will stop and **GHH** will start draining at **7.658 ZJ/year** and after 20 years this draining rate will rise to **23.438 ZJ/year**. Thus, the major culprit in this game is **GAC-1** disabled by **IBWT** with **86.4%** contribution to **CC**, while **GHH** has at the most only 3.4% share and remaining 10.2% is that of all other contributors, mostly direct heat addition to **EG** environment (Table 1) over and above that of Sun. These values match with that of [6] too. The 13.6% has not to be bothered in view of **GAC** operations and its 5 prong attack on this and their all aftermaths, along with too many profound bounties stated below. **Even their further growth may become vital for maintaining the water flow contingencies.** It is pity, that in

all the discussion of **GHH** or **CC**, only **GHH** and mainly **CO₂** is blamed as an only culprit and never ever pointed out the direct heating sources except in [3] and never ever **GAC** with boundless rewards and benefits pointed out below. It is worth pointing out that evaporator and condenser of **GAC** are the **IAW** and these need initial Freon, the water only from Pakistan and never ever from India, nor from any other location because only this is the feed of **GAC** draining major **EG** heat from **Sahara** and **Middle East** with unique thousands of **IAW** cycles. As stated above, the heat was being added to **EG** at **2.245 ZJ/yr** before 1960, then during 1960 - 1973 it rose to **16.48 ZJ/yr** as shown in light reddish background in Figures 8-a and 8-b.

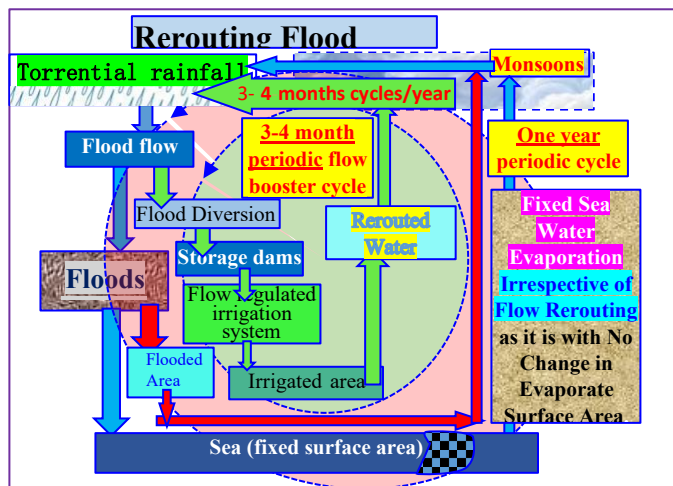


Fig. 6. Rerouting Flood Water through irrigation to benefit from it in boosting 3 times rainfall/flow, hydropower production, agriculture & aquaculture products, jobs, economy and huge Global role as fed to **GAC** in place of terrible flood disasters. The present route of flood water is shown in red background with blue arrows, while greenish background and green arrows is of its rerouting and between the two is route of water entrapped in flooded area going through Global route shown by red arrows.

Since then, it is continuously maintaining this pace as shown in period 1973-2025 with red background. The criticality of this may further be viewed from Global Heat Dissipation budget (**GHDB**) **41.1% deficit** since 1973 (Table 1) in place of 5.6% before 1960. Thus, as per new paradigm, heat @16.48 ZJ/year is continuously being added to **EG** since 1960 with minor fluctuation and hence about **982 ZJ** additional heat has been heaped in **EG** by 2026. About 93% of this is contained in the Oceans and only 7% in land, atmosphere and ice (Figs. 2 & 7) [8, 9, 11]. The intensities and frequencies of **SCC** are dependent on both, the quantity of **GHH** as an explosive shared by all oceans and its annual addition to **EG** as mobile detonator in hands of **IAW** before its settlement. That is why, their brutalities and frequencies are continuously rising with **GHH** triggered by this detonator.

Aftermaths of Temperature Growth and Oceanic Levels:

Although, all of the Climate Calamities are the aftermaths of Global Heating, yet most of these and all disturbed Oceanic Ecosystems are activated through growth of Oceanic heating. These are wind storms, hurricanes, tornadoes, cloudburst, heavy rains, scariest floods, huge landslides, earthquakes, Tsunamis, Oceanic floods attacks, wildfires, Pacific Ring of Fire and its activation chain, avalanches, volcanic eruptions, threats to **Atlantic Meridional Overturning Circulation (AMOC)**, Global Climates, Climate Tipping points and deadly snowstorms etc. In other words, Oceans are the **SCC** promoting multifunctional tool in hands of Global Heating.

Table 1. Global heating contributors status comparison.

Items	IBWT disabled GAC-I	CO ₂ , GHG	All others	Total
GHDB deficit	35.5%	1.4%	4.2%	41.1%
Annual heat added to EG %	86.4%	3.4%	10.2%	100%
Estimates of [6] from a different angle	87%	10%	3%	100%
Max. Controllable portion of this author estimates with all efforts	86.4%	2.5%	5.1%	94%
Max. Possible Percentage Control ability of above (approximate)	100%	55%	45%	-
Further extension limit of Control Ability	273% with GAC-II & III mobilization.	0	0	-

Mechanism of Global Air Conditioner Role:

The **GAC** has two main and basic components. One of these is 1 to 3 parallel moving trains of vertically westward rolling **IAW** of 10 Km diameter. The 2nd major and most important components, the water as its Freon only from irrigation of Pakistan. Initially, these **IAW** roll westward between the Earth surface and the Troposphere due to Earth eastward rotation about its polar axis and boosted by gravitational traction of Solar, Lunar & Venus (**SLV**) against the Earth rotation, further assisted by the Easterlies. Then, **IAW** are navigated over Middle East and Sahara and then further over the whole Globe in a year (Fig. 4) under their net gravitational traction [20, 21, 22, 25], changing the route as per changing **SLV** distances, inclination and orientations during a year[19] with respect to **IAW**. At the bottom, **IAW** absorbs water vapors (if available) along with latent heat of evaporating water and any further heating too from the atmosphere near the Earth surface and at their top the water vapors condense in cold Troposphere, causing rain and snowfall along with dissipating the said carried heat to the outer space as a continuous process train. In most of the situation on the way back, the rain water evaporates again before reaching the earth, absorbing heat from atmosphere and returns to Troposphere with a new load of heat. In this way **GAC** carries on continuously exporting the **GHH** to outer space by these **IAW** throughout their journey over the **EG** if water is available on Earth surface with its surface extended in form of irrigation and plants transpiration. Thus,

if water vapors are available in IAW, the GHH dissipation process continues proportionate to water vapors quantity, may there be rain/snow or not, when IAW roll over atmospheric layer much faster than rolling over the earth surface. In absence of said water from Pakistan, this heat is carried over by IAW and forced into the whole Globe. With the **particular locations and orientation of IAW generation sites** in the Globe near the **tropical region, their regenerative Pakistani corridor of Freon supply potential** at the forefront of IAW generation sites and the relative **locations** of Sahara and Middle East Deserts with acute water scarcity and huge heat contents are all particularly crafted by the **Nature** for major and extraordinary GHH dissipation and other multiple functions. Thus, the **initial Freon feed for GAC became absolutely most vital and specified too for the irrigation supply of Pakistan.** All necessary arrangements for IAW navigation over all the Globe and the needed Freon are already made available by **The God** and created all supporting components and the needed systems throughout the whole Globe along with their all required patching and assembling, except their human mobilization through flood water storage and its regulated supply management for its surface extension through irrigation system in Pakistan. The **GAC-I** (14.235 ZJ/year) was operated naturally before 1960 and other two, **GAC-II** (9.893ZJ/year) and **GAC-III** (15.78 ZJ/year) were kept ready in reserve for their mobilization by the mankind, as and when needed. **The GAC-I capability was spotlighted to the mankind through its disability by IBWT and this further showed the path towards other two [11,12, 14]** along with most of their facilitators [26] and many other blessings stated in the text below. The routes of IAW in a year (Fig. 4) change under SLV navigation [19, 23] in such a way that it covers whole the NHS starting from Pakistan to the west up till Far-east and then turns to southern half part of EG from Malaysia/Indonesia to east up till Indian Ocean. All the above stated activities involved are out of human reach, except management of available water and its surface extension through dams and irrigation system for evaporation augmentations.

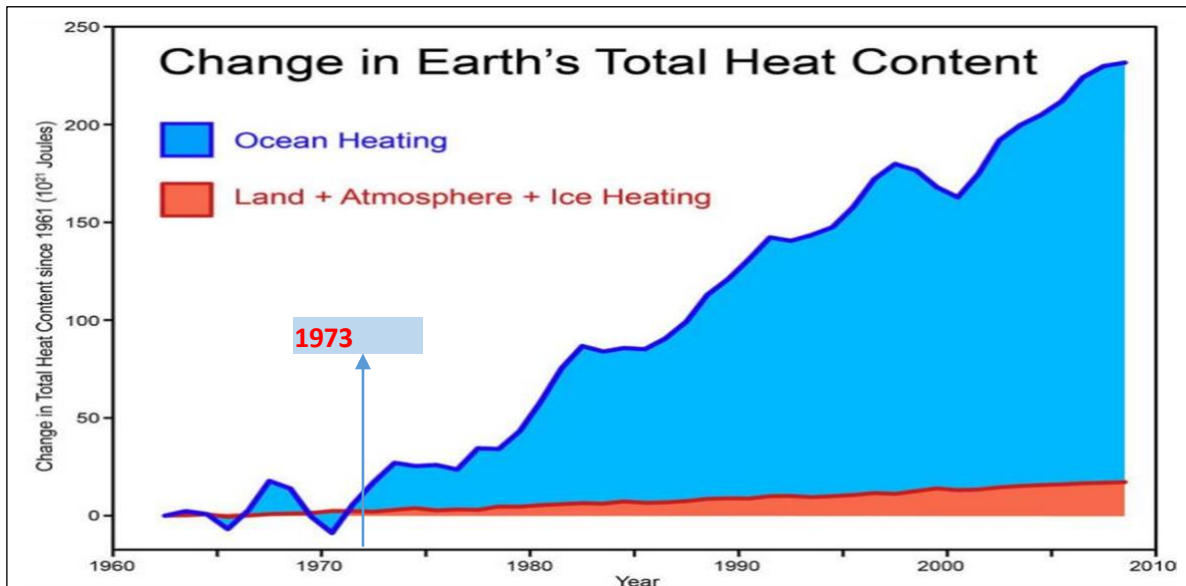


Fig. 7. Heat contents variation of Earth Globe from 1962 to 2008 as one estimate. The Global heat growth rate may be imagined by the sum of the two groups. This however, is too small and seems to have neglected its many components.

Global Heat Control by Global Air Conditioner:

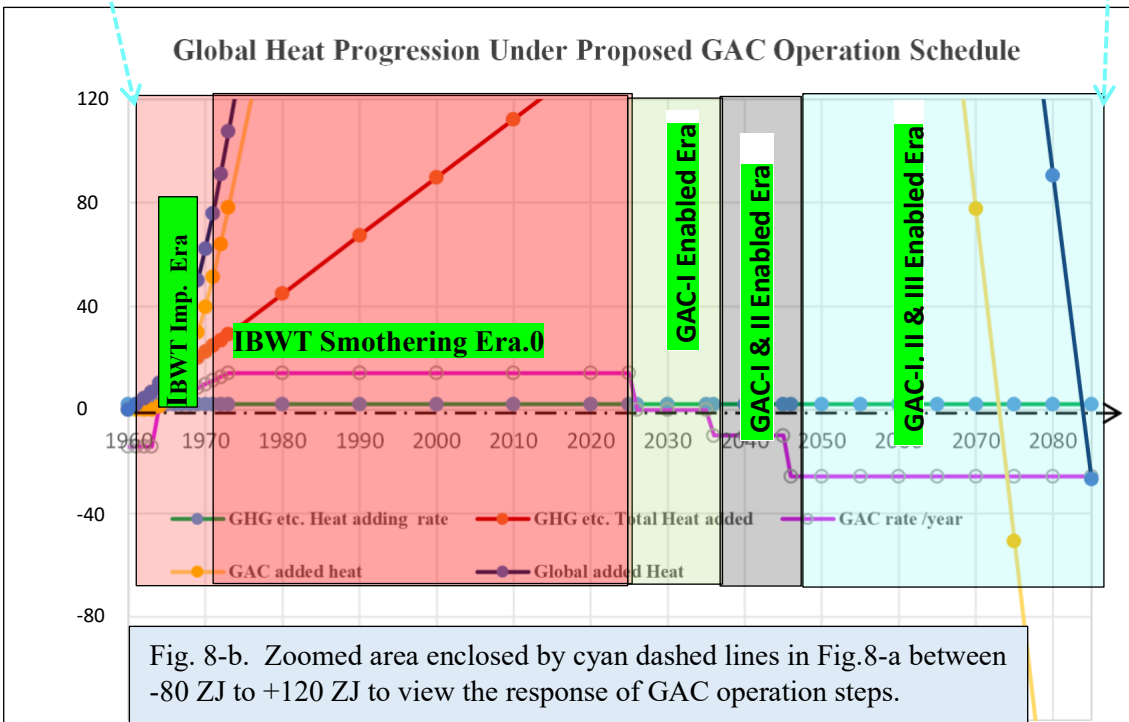
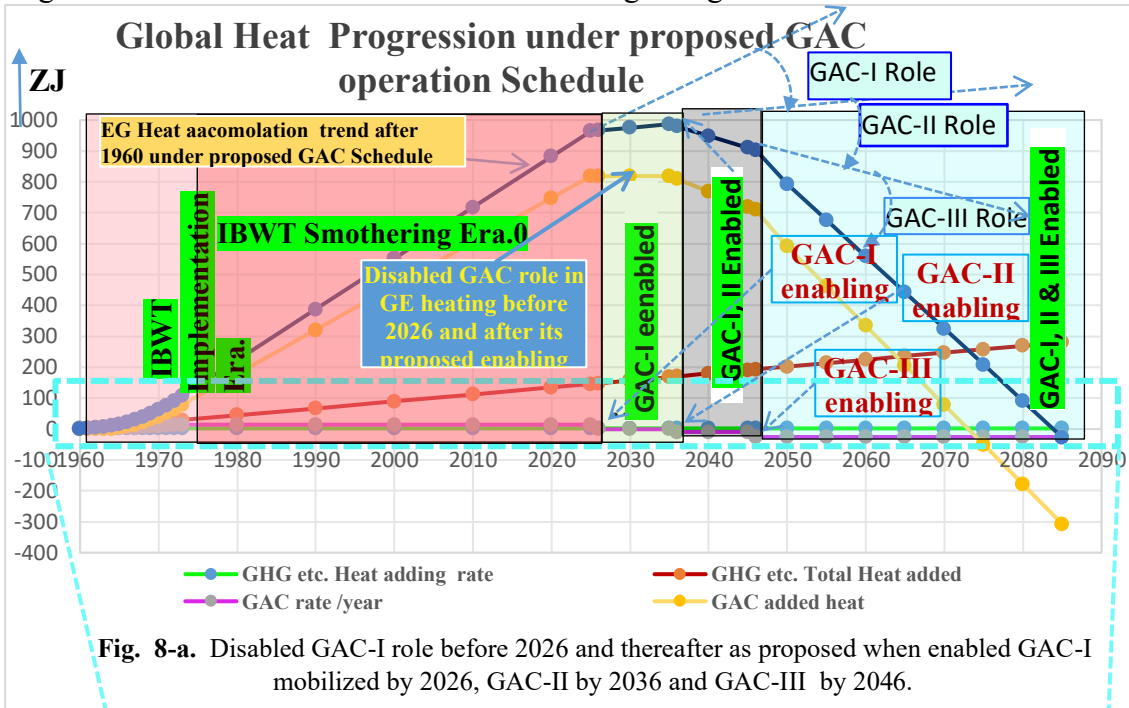
As stated above **GAC** role in **GHH** dissipation (**GHD**) has too huge further growth potential [11] beyond 86.4% as long as **heat, water and area for water surface extension** through irrigation are available. With Pakistani resources, the **GHD**, can be 237.2% ($39.09 \times 100 / 16.48$)

of present heat input, whereas, so called **GHG** control route can never ever approach elimination of its own complete 3.4% share, nor 10.2% waste heat too, at the most only total 6.8%. In the 41.1% deficit in **GHDB**, the share of direct heat input by wildfires, burning of all fossil and nuclear fuels, explosives use in warfare, volcanic eruptions, artificial intelligence and other geothermal activities etc. is 4.2%, the share of **GHG** is 1.4% and that due to disability of **GAC-I** is 35.5% as shown in Table 1. The water cycle role through irrigation route within Pakistan i. e. the **GAC** mobilization has been Divinely facilitated to a potential that can easily make the **GHDB** 58.44% **surplus** (without taking into account 5.6 % gain due to 5 prongs indirect attack of **GAC** on all other contributors) in place of its present 41.1% **deficit** as discussed below. If this is considered too then, 58.44% will become 64% and 237.2% will become 251%. For this, the flood water going to sea along with that absorbed and entrapped in flooded area will have to be rerouted through irrigation route comprised on storage dams and irrigation system to be developed in Pakistan (Fig. 6) for its sustained continuous evaporation.

Global Air Conditioner Mobilization:

All components of **GAC** including **IAW** and all supporting systems are Divinely crafted fully, complete in all respect, except its initial Freon feed, the water through its surface extension for evaporation in Pakistan, which is to be managed by the mankind. This initial Freon Feed is absolutely vital for major part of **GHD** from Middle East and African Sahara. Restoring the performance of **GAC-I** by reversal of **IBWT** to 1946 flow status will **reduce global heating rate** by 86.4 %, but it will still be adding annually @ 13.6% (Fig.8-a) to **EG**. To stop this addition too and rollback almost all Calamities along with drainage of 982 ZJ heat heaped in **EG**, the **GAC-II** and **III** need to be mobilized through further irrigation only within Pakistan. If all the works needed for these three units of **GAC** are started immediately, almost all in parallel so that these all may become fully functional as scheduled in Table 2 below, then progress estimated is shown in graphs Figures 8-a and 8-b, and the climate status of pre-1960 blunder may be regained by 2086. The **local irrigation water flow cycle** in northern Pakistan starting from irrigation, evaporation, transportation to precipitation sites in its north, then precipitate flow to irrigation sites is of average 3.5 months. Leaving the rivers' flow of 3 MAF per 3.5 month (10.5 MAF/year) for **sustaining the rivers and mangroves culture, sea fishes upstream move and avoiding sea salt attacks and 12.4 MAF per 3.5 month for GAC-III**, there remains 131.6 MAF for irrigation supply to the area of **GAC-II** per 3.5 month from total 146 MAF present water annual average flow, has to be managed for restoring the 1960 **GT** and resulting too many huge most vital opportunities indicated below. For this, as stated above the flood water will have to be rerouted through irrigation (Fig. 6) for its regulated sustained continuous evaporation with the help of storage dams and irrigation system development in Pakistan. With 10% water absorption in the ground, may be pumped back proportional to recharge ability to stabilize underground aquifer and there remains 131.6 MAF which may route again through this cycle with **GAC-II** working along with more than 12 MAF/3.5 month out of 43.4 MAF of **GAC-III** and 39 MAF for **GAC-I** supply returning back in local cycle of Pakistan, hence after 3.5 month, the cycle will repeat with 143 MAF initial input again and again completing any deficiency from the reserve storage managed during extraordinary flood flows or pumping underground water if vital. These figures of water quantity are the average of fluctuations between present maximum 180 and minimum 110 MAF/year and with re-recycling it will boost to three times; annual 395 (3*131.6) MAF. The storage dams 488-500 MAF will be needed for above stated average stable and regular feed to **GAC** through irrigation in a 37 years Monsoons roaming cycle, directed by two Lunar Nodal precession cycles, each of 18.6 years cycle period. The **GAC-II** may dissipate 9.893 ZJ/year heat in a local cycle with 395 MAF feed. The annual water supply for **GAC-I** is 39 MAF and for **GAC-III** is estimated as 43.4 MAF. About 1/3 of this (39+43.4 =) 27.5 MAF will go on intercontinental routes with

GAC-I and GAC-III and rest 55 MAF will rain mainly in form of river flow and partly as direct rains in plane areas, approximately 43 MAF in India and 12 MAF in Pakistan. Thus, similar proportionate growth in the local rainfall may occur if flood water routed through irrigation managed as much required, when, and where from the storage dams with optimal irrigation system development in place of its flow to sea with no additional surface extension for any additional evaporation (Fig. 6). About all of 10% water absorbed in the ground will have to be pumped, so as to avoid water logging and maintaining recharge-ability to underground safe water reserves for extra use during droughts.



Maximum function of **GAC**, a huge **Divine Gift** willfully created by The God complete in all respect is at the disposal of mankind to mobilize it as per its needs for his safety from all calamities along with huge welfare and well beings through too many huge emerging opportunities and benefits for many centuries. Moreover, with His extreme kindness and mercy, He has warned mankind by intensifying and highlighting the **CC/SCC** through **IBWT** blunder and forced the mankind to mobilize all the 3 parts of **GAC**, also for needs of incoming generations too, otherwise mankind would have been much reluctant to move these optimally resulting in their hap-hazardous deteriorations. Most of the **SCC** are aftermaths of **GHH** through Oceanic route, detonated by the heat carried on by dry **IAW/disabled GAC-I**. Reversions of a few of these pertaining to Oceans are estimated to die down by year 2086 as pointed out below:

1. Polar and Glaciers ice melting rate is continuously rising (Figs. 5 & 9) under temperature rise proportionate to **GHH**. With **GAC** enabling, it will start decreasing and within 30 years, it will start their rebuilding and by 2086 their balanced and stable state will emerge.
2. Oceanic level rise endangering submerging of low level area and cities under water is expected to start decreasing soon to safe and stable state.
3. Oceanic ecosystems being continuously damaged will soon restore to safe/stable state.
4. Aquaculture damages will start reducing and ultimately return to safe progressive state.
5. Oceanic floods, storms, tornadoes, hurricanes, cloudburst, scariest floods, terrible land slides, life-jamming snowstorm and perishing Tsunamis etc. continuously increasing in frequencies and intensities and the resulting growing disasters will die down.
6. Continuously boosting brutalities of storms/hurricanes will return to normal safe/stable state.
7. All Oceanic abrupt dangerous activities critically on rise will die down.

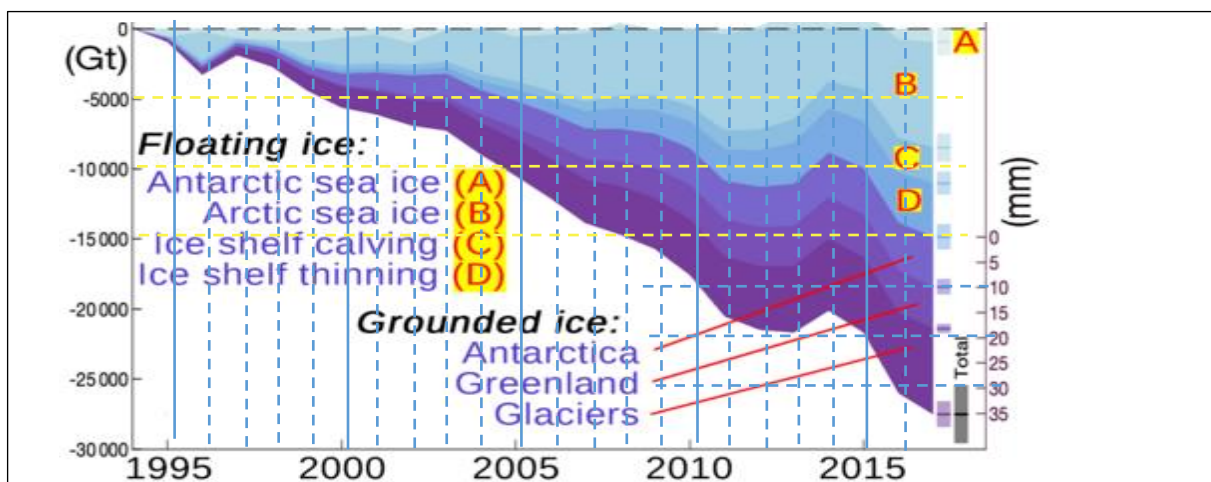


Fig. 9 Earth lost 28 trillion tonnes of ice between 1994 and 2017, with melting grounded ice (ice sheets and glaciers) raising the global sea level by 34.6 ± 3.1 mm. [13] The rate of ice loss has risen by 57% since the 1990s—from 0.8 to 1.2 trillion tonnes per year [13]. This Global ice mass change between 1994 and 2017 is partitioned into the different floating (blues) and grounded (purples) components. Shaded bars indicate the cumulative mass change and estimated uncertainty for each individual ice component (blues, purples) and their sum (black). The equivalent sea level contribution due to the loss of grounded ice from Antarctica, Greenland and mountain glaciers is shown in the y axis on the right-hand side.[13]

Rainfall and Water Flow Hike:

Rerouting of flood water continuously through irrigation (Fig. 6) for feeding **GAC** will boost, regulate & streamline the water cycle in place of its abrupt, large cloudbursts and scariest floods. This additional **GAC** feed will increase Global rainfalls and Water Circulation by about 252% (Table 2) as estimated below for full **GAC** working including 3 times boost in Pakistan water flow.

The present Global rainfalls rate proportionate to present **GHD** budget = $40.09 \times 0.75 = 14.235$ = 15.83 ZJ/year, where 0.75 being share of water based heat export in **GHDB** [11, 7].

With **GAC** mobilization additional **GHD** will be proportionate to $14.235 + 9.893 + 15.78 = 39.908$ ZJ/year. Thus, additional rains fall & water flow will be $= 39.908 / 15.83 = 2.52$ times or 252%.

Accordingly, streamlined and regulated water circulation will be boosted to 352%.

Table 2. Global Air Conditioner's Schedule, Potential and Boosted Water Flow.

Items	GAC Units Operation Sequence	GAC-I	GAC-II	GAC-III	Total
GAC Mobilization Schedule year wise		2026	2036	2046	-
GAC Heat Dissipation Potential ZJ/year		14.235	9.893	15.78	=39.908
GAC Boosted Water Flow since year		2027	2037	2047	-
Boosted additional Water Flow w.r.t. that of its annual average flow before 2026		89.91%	152.4%	252%	252+100 =352%

Benefits of Regulated Hike of Water Flows & Rainfalls:

The, 252% addition of regulated water flow and rains or 352 boosted regulated flow will make the following possible.

1. About 252% additional clean water will be available for domestic, industrial, agriculture and all other uses.
2. The Sahara and Middle East deserts will start becoming green and much worth for agriculture within 30 - 40 years.
3. About $252 + 100/2 = 302\%$ additional hydropower production, with the assumption that 50% of the existing abrupt and intermittent flows neglected in hydropower production will come in use too, due to its regulation and additional 252 MAF flows.
4. About 302% additional hydropower production will avoid equivalent **fossil-fuel** based power production, along with huge **saving of exhaustible fossil-fuel** for other uses.
5. Additional rains and resulting lower **GT** will heavily reduce power needed for cooling and air conditioning, hence will further **save exhaustible fossil-fuel heavily.**
6. About 352% streamlined clean water circulation throughout the world, will
 - a) trickle down **huge boost in agriculture, aquaculture, livestock, poultry and dairy products (AALPDP)** and **related industrial** outputs.
 - b) Avoid huge health hazards based on water contaminations.
7. About 252% additional water flows will result in man-made and natural vegetations and plants growth.
8. About 252% additional jobs will become available in each of **AALPDP** sectors along with their transport and distribution, hydropower production, its transmission and

distribution, irrigation, related industries, constructions of their required infrastructures and many other sectors throughout the EG.

9. Abrupt and unmanageable water flows will be streamlined and regulated by control on abrupt huge changes in GT and GHH by GAC. This will reduce the huge abrupt cloudburst, scariest flash floods and regulate, streamline and flatten them over the time and space with boosted flow.
10. Huge savings of forthcoming unimaginable huge losses in Climate Calamities along with extra AALPDP products and related industrial output, all the jobs in these and also in above stated sectors will contribute too huge to the Global Economy, very well distributed over all the Globe.
11. Enhanced rains/water flows will avoid droughts and their difficulties and disasters.
12. Will avoid huge obstruction to transcontinental trades like that needed in Panama Canal based upon scarcity of water flow and rainfall and also by avoiding oceanic extreme storms disturbances and Tsunamis and in place will thrive with augmentation of regular water flow availability to ships' waterways boosting Local, National and International commercial activities liberated from excessive constraints, harmoniously complemented by meticulously regulated GHH defusing/dissipation operations by GAC.
13. Enhanced rains and water flow will avoid water and environment pollution and their dreadful aftermaths boosting keen attention on sanitation.
14. **GAC Five Prongs Attack for Decarbonisation :**
GAC Will Avoid Terra-tons of addition of CO₂, GHG, Pollution, Soot and Smog (CGPS) in atmosphere along with heat addition by following 5 prong major attack.
 - a) **CGPS and Heat Production Control.**
 Huge dangerous CGPS and heat production will be heavily controlled through
 - i. alternate 302% additional hydropower production.
 - ii. reduced GT, GHH by GAC and raised regulated rains will heavily reduce
 1. cooling and air conditioning needs and hence fossil fuel power needs for this.
 2. and by avoiding heatwaves and wildfires.
 - b) **Removal of added CGPS and Heat** in the earth environment.
 The added CGPS and Heat in the EG environment will be removed by GAC through
 - i. Additional rains absorbing and dragging CGPS to earth and converting these to fertilizers with help of lightning along with absorption of heat.
 - ii. Additional vegetations and plants growth by additional rains and water flow with pleasant weather will be absorbing these CGPS proportional to additional plants growth.
 Hence, it will block Terra-tons of CGPS and heat addition to EG, clean the atmosphere, promote healthy, pleasant and safe environments by washing down CGPS and reducing temperature peaks.
15. Additional rains will avoid all dry weather viruses of too many pandemics and viral diseases.
16. Save huge quantity of Fossil Fuel (FF) reserves, the most vital for existence of life on EG by additional hydropower replacing FF based power productions and also

reducing its needs for cooling and air conditioning due to reduced temperature and additional rains.

17. It will boost the **Oxygen** contents in atmosphere by reducing its consumption in all above stated **FF** burning processes replaced/reduced by **GAC** and by 252% additional plant growths along with due to further flourishing/nourishing of existing.
18. The flood water rerouting (Fig. 6) through irrigation (green route) will not only regulate and streamline the water input to **GAC**, thus streamlining its output and avoiding **CC/SCC** with too many beneficial outputs, but will exchange all possible flood disasters, multiple losses and troubles emerging from its both unwanted red and blue marked routes (Fig. 6) by too many huge local benefits.

Polar/Glaciers Ice Sublimation Aftermaths:

The **GT** rises monotonically with the growth of **GHH** and hence, rises the temperature difference driving the polar and glaciers ice melting rate as can be seen in figures 5 and 9 as a result of **GHH** growth promoted mainly by **IBWT** [9, 13].

1. Six times increase observed in rate of Antarctic and Greenland ice sublimation in 2017 as compared to that in 1990s [28, 13] is obviously due to ever-increasing growth of driving temperature-difference (*approximately 0.25°C in 1990 and 1.45°C in 2017, i.e. 1.45/0.25 = 5.8 ≈ 6 times in 2017 as compared to that in 1990*). This may further rise to more than 2.0°C by 2030 with unimaginable huge Global disasters.
2. The mass reduction of **NHS** as a result of 58% ice melting rate as compared to 42% in southern [13] and collection of this sublimate around Equator is mainly due to **IBWT** terrible activity more affective in **NHS** with the help of Sahara and Middle East deserts, the Major heat containers, **IAW**, the transporters of this heat and their generation sites, all being on Northern side. Thus, there is nothing strange in this different sublimations rates, but their aftermath seems to be extremely dangerous. This may result in number of critical instabilities in the Earth system for example
 - a) Increasing the variation in polar axis inclination under Solar gravitation resulting into
 - i. wobbling, bobbling and hobbling of the polar axis,
 - ii. Intensifying and elongation of the winter season of **NHS** and summer of the southern.
 - iii. further disturbing rather intensifying Climate Calamities and various other complexities.
 - iv. The collection of sublimate with less momentum/torque around Equator will reduce Earth rotation speed, elongate the day and year duration with unknown complexities.
 - b) It may result into shift of centre of gravity of the Earth towards south resulting in number of unimaginable instabilities.
3. The aftermaths of No. 2 above is somewhat diminished by **IAW** motivated transport of huge quantity of water from southern Pacific Ocean by wind heated by Australian wildfires and heatwave to the **NHS** in form of snow storms in USA, Canada, Europe and all Asia indicated in Figure 4 by wide cyan and white dotted lines.
4. Also, **IAW** with heavy wind blasts directed by the land topography of southern three continents short of southern pole with relatively higher temperature and low water vapors density, the Antarctic ice will melt and this raises the water level as well as the heat capacity of the oceans.

5. Any variation in Freon feed of **GAC** by flood water entrapped in flooded area of Pakistan and forced to evaporate is **followed** by reduction of ice melting rate of both poles and almost all the glaciers (Fig. 5) closely match with the quantity of this water [14, 12] proving close sequential linkage of **GAC** activated by floods water in Pakistan as Freon, brakes applied to Global ice melting rate with Oceanic level growth control. Thus, Pakistan based regular and continuous Freon feed to **GAC** is unique key to reestablish safe, sound and stable status of **GT**, Oceanic levels and **GHH** with net polar/glaciers ice accumulation as a result of reverse gear applied by **GAC** after their net melting stoppage by it, till emergence of their safe/sound/stable state.

Only and Only, GAC Can Tumble Down Climate Change:

As stated above the **CC** is an aftermath of **GHH** and the major contributor to this all is Sahara and Middle East deserts' heat misguided through **GAC-I** disabled by **IBWT**. With the availability of water, the Freon of **GAC**, the **IAW** will carry on rolling and transporting **GHH** to Troposphere, absorbing it through water vapors from earth environments at their bottom and handing it over to Troposphere at their top with water back to earth in form of rain and snowfall. In the wake of only **GAC-I** working, this rain water mostly evaporates again and again before reaching back to the earth and hurries up to returns to Troposphere, accelerating the stated heat transport process particularly from Sahara and Middle East.

As shown in table 1, all the heat added annually to **EG** by all contributors, other than that due to **IBWT** is only 13.6% and with all possible efforts this can never ever be reduce more than 50% of this, i. e. at the most by 6.8% (1.1225 ZJ/year) and hence it can never control the 16.48 ZJ/year heating of **EG**. While **GAC** can dissipate at 39.09 ZJ/year or 237.2% (39.09*100/16.48) of present total annual heat input. **The comparison of the two is 1:35**. The 16.48 ZJ/year in dissipating the present annual input and 22.61 ZJ/year in draining 982 ZJ **GHH**. **Thus, there is no other option at all except to go for this rollig back of CC/SCC at all cost and this is theee... ..best and largest of all the known processes in this context.**

In all this process, the human role is only in the regulation and management of available water and its surface extension through storage dams and irrigation system development within Pakistan [12, 20]. The **GAC** dissipation of **GHH** is mostly from Sahara, Middle East and Indian Subcontinent and then Atlantic and Indian Oceans. This will not only save the rest of the world from horrible attacks of this heat, but will also dispose off the heat of rest of the world too by **IAW** further endurance. In the sequence, with the **IBWT reversal**, **GAC-I** will become operational immediately, transporting 14.235 ZJ/year, but 2.245 ZJ/year will still be adding to the already **982 ZJ** heap of **EG**. To stop this too and drain out **982 ZJ** heap too, the **GAC-II** and **GAC-III** also need mobilization, which can be within 10 & 20 years respectively if their working be started immediately. These all three will drain all the current as well as already heaped heat and bring the **EG** back to the **1960 status by about 2086**. As a result of this, the **GHDB** will become surplus at **63.518 ZJ/year (158.44% i. e. 58.44% surplus)** against routine budgetary demand of **40.09 ZJ/year**.

All deep prays to Allah (swt) who created this unique system, not only for solution and blocking of too many terrible Climate Promoted Calamities, but also with too many facilitations, opportunities and benefits for the mankind with an only GAC turnkey operation within Pakistan and is continuously reminding and forcing mankind through lashes of Climate Calamities to mend its inhuman ways and go for this unique solution.

GAC is Unique Throughout the Whole World:

On all the Globe, **GAC** is unique

a. By its Roles:

1. It is the only **GAC** (all 3 units) on the entire **EG**, which can successfully rollback all **CC/SCC** in about 60 years by making the **GHDB surplus** by **58.44 %** in place of present **41.1 % deficit**.
2. **GAC** has strongest, matchless and firm 5 prongs **CGPS** depleting attacks through its aftermaths.
3. **GAC** has strongest, matchless and firm 3 prongs attacks on Oxygen depletion controls, two big productions from additional forests and **CO₂** and **NO₂** decomposition and one big is its saving in reduced **FF** burning by **GAC**.
4. **GAC** can contribute such a large role in **GHD** to meet the forthcoming such horrifying future challenges in view of continuously growing **GHH** and **GHG** input activities as a result of inevitable world's population growth.
5. It has firm, widest and strongest accomplishment capability in all the **UNO** highlighted **SDG**.
6. It is a huge fountain of more than 60 too much beneficial & vital opportunities stated below.
7. **GAC** is a turnkey solution of almost all **CC/SCC** along with number of best and unique solution to too many other Global serious issues and challenges as stated below.
8. Drainage of **982 ZJ** of **GHH** in limited time (Fig. 8-a & 8-b) is matchless in the entire World.
9. It will boost Global peace/harmony by avoiding mutual conflicts due to cross border propagation of heatwaves, **CGPS**, storms, floods, pandemics and Calamities based human migration/traffic.
10. Its all 3 units are matchless in the entire world as **GAC-I & III** dissipate large **EG** heat through thousands of **IAW** cycles over Sahara and Middle East in their west and over Africa and Indian Ocean in south with only small water feed using it again and again, while **GAC-II** will do so with only few cycles, but with re-reproduction and re-usage of large quantity of its water feed.

b. By Numbers of its Parameters:

GAC is also unique in all the Globe through number of its parameters, a few stated here are

1. Mutual relative locations of 3 main deserts in **CTRTR** generating 3 parallel westward running trains of vertically rolling **IAW** [22, 27, 17].
2. The **location of above three deserts near the tropical regions of all the Globe**.
3. **Is unique with Pakistani unique Freon feed at unique Freon feeding port**.
4. Its immediate and proficient supply of Freon feed only from Pakistan that can dissipate heat from Middle East and Sahara deserts, the major source of the culprit in **GH**.
5. The tracks of its vertically rolling **IAW** (Fig. 4) navigated over the entire Globe between the Earth surface and Troposphere by the **SLV** joint gravitational traction is unique in all **EG**.
6. Locations of numbers of large glaciers readily equalizing the deficiency of water flow needed for continuous **GAC** operation during **droughts** with the help of Sun high radiations in summer with the help of storage dams flow regulation.
7. Location and patterns of number of World largest mountains, orientations of their valleys, precipitation booster trap, Topographic profile of Indian subcontinent, coastal orientations directed coastal winds patterns boosting and guiding rains, Counter Clockwise Whirling 4 Air Spiral Cycles of Pakistan boosting water cycle through boosting evaporation [22] and boosting water flow by re-recycling of 3-4 months

periodic local water cycle, are unique Natural Gifts to the mankind for the best Global role of GAC. Their combined role will boost annual water flow of 146 MAF to more than 395 MAF if optimum storage dams and irrigation system is developed to reroute flood water to irrigation and manage drought's blockage in water cycle.

8. More than 500 MAF water storage sites are available in Pakistan to manage optimum, continuous and regular Freon (water) supply to GAC in view of its needs in both annual monsoon roaming in time and space and its water flow fluctuations in multiple years, mainly the 13-14 years drought period in 37 years Monsoons cycle [20, 17].
9. Multiple storage sites in line are available for heat, pollution and CGPS free maximum hydropower recovery fully utilizing both the flow quantity and the heads available through all parallel and tandem working dams and power generation systems [17].
10. Easterly channel Location is boosting IAW's westward rolling and also as their carrier round the Globe. Moreover, it being mostly centre of Global air flow activity, almost throughout the year as recorded by NASA's Satellites [15, 16] further assists its role.
11. Sizes, locations and roles of all basic and supporting components of this GAC system are all unique [20] in the entire world, completely compatible, exactly matching the requirements and readily available at most suitable location, seams to be created particularly for these roles, hence, all praises to The Almighty Allah who created these all for the safety, service and welfare of the mankind

فَتَبَارَكَ اللَّهُ أَحْسَنَ الْخَالِقِينَ

12. *All GAC physical mobilization activities are limited only within Pakistan, while its roles have automatic global reach and most prominent at multiple fronts. A few of these are economic growth; promotion of clean, pollution free and healthy environments with pleasant, stable and peaks free seasons; development of atmosphere free of GT, GH, CGPS & SCC based health hazards; emergence of trillions of jobs; boost in job securities, hence outgrowth of favorable and safe social behaviors and harmony; excessive food availability; abundant access of clean and fresh water; revival of all ecosystems; boost in hydropower generation free of heat, CGPS and cost; boost in forests by natural and human's managed plants and vegetation growth, a life line of life on earth; effective control of heatwaves and wildfires and too many others benefits both direct and indirect.*

Other Benefits of GAC:

The proposed mobilization of multifunctional GAC will transform the GHDB from a current 41.1% deficit to a surplus of 58.44%, draining 982 ZJ heat-heap and ultimately maintaining an outflow of Global heat proportionate to its all inflows. In doing so, it will mitigate extreme climate peaks, prevent unprecedented calamities and minimize abrupt climate changes as well as avoid economic losses of infrastructures and properties through right and tight affective control of scariest Calamities. The construction of the necessary infrastructure for GAC will take approximately 15 to 20 years. Once this strategy is initiated, rainfall is predicted to boost up by 352% within a span of 20 to 25 years. Upon completion of the heat drainage process, rainfall levels will stabilize to align with heat inputs. Should there be any shortfall in required heat input, the petroleum industry may be permitted to compensate this demand to satisfy water flow requirements. Nonetheless, population growth and its associated heat generating activities will likely counterbalance these demands and gradually return to a stable 352% or higher status. In addition to the previously mentioned 18 multiple benefits outlined under the "**Benefits of Regulated Hike of Water Flows & Rainfalls**" headings, the further opportunities expected in various other sectors are.

1. The regulated global rainfall and consequently clean water flow will increase to 352%. This will encourage the development of multipurpose water storage dams, proportional hydropower production and innovative advancements in all **AALPDP** sectors over all the earth Globe.
2. This initiative is expected to create worldwide 100's of quadrillions of job opportunities.
3. It will undoubtedly foster peaceful, improved, safe and comfortable social environments by providing numerous jobs opportunities and boosting the economy in a pollution-free atmosphere with pleasant weather conditions.
4. Enhanced regulated rainfalls will proportionately boost
 - a. Irrigated and arid agriculture, alongside cultivated plants, orchards and pristine forests, heavily contributing to the global economy and thriving to exceptionally favorable environment swallowing **CGPS** and boosting matching oxygen input in the global environment.
 - b. Innovative concepts in sanitation, effective management of waste through recycling and judicious disposal practices.
5. Reduction of **GT** will **enhance the normal flow** of geothermal heat from interior of the Earth driven by an augmented thermal gradient. In the era of **IBWT** aftermaths, not only long sleeping volcanic sites have woken up, but has given births to new sites and developed numerous new faults lines along with motivating the activities of many already existing. **GAC** consequently, will not only block their extremely disastrous further growth, but will reduce occurrences of volcanic eruptions, earthquakes, tsunamis and avalanches, among other geological phenomena, by diminishing the abnormal transference of earth core heat that surpasses established thresholds through these pathways.
6. The polar and glacial ice melting rate (Figs. 5 & 9) is anticipated to diminish and will soon revert to the accumulation of glaciers and polar ice formations. Consequently, this phenomenon will avert and potentially reverse the rise in ocean levels, thereby preventing the submergence of numerous regions and low level areas.
7. Glacier accumulation, coupled with increased regulated snow and rainfall and irrigation will significantly enhance the recharge potential of subterranean aquifers. This phenomenon will yield a substantial augmentation in agricultural productivity in arid regions too, thereby boosting food supply and markable reduction in poverty, which in turn will stimulate global economic growth.
8. With streamlining of the Global weather, **global winds flow regulation will be motivated and this** will open huge gates for regulated solar and wind-power generation over all the **EG**, avoiding transmission losses and costs and **huge saving of critical exhaustible inevitable fossil fuels reserves** with releasing pressures on power generation systems along with avoiding their peaks.
9. All the heat, pollution, **GHG** emissions, food scarcity and financially driven health issues will be inherently resolved in a harmonious manner through this strategy.
10. Resulting in an augmented population of plant-forests, the risks associated with wildfires will create opportunities for harnessing wood as a **reproductive** source of energy for domestic heating, cooking and particularly for electricity generation. This strategy aims to mitigate the catastrophic consequences of wildfires akin to those experienced in Europe and Russia in 2022 [23], California in 2017/18 [32] and the unanticipated terrible disasters in Los Angeles/California in 2025. Consequently, this preemptive transformation of potential disasters into valuable **regenerative** (with reproduction of plants) power resources serves to avert significant resource depletion, alongside avoiding the immense losses and numerous challenges that accompany the extremely huge losses & many terrible troubles.

11. Too many jobs' opportunities and thus being busy in fair paying work, satisfied with easy/safe earnings and large Financial saving due to too much reduced health problems and thus saving of financial drainage in healthcare will
 - a. Diminish the mental and physical discomfort or disorder, enhancing the occupational performance and comfortable social behaviors.
 - b. alleviate the socioeconomic challenges stemming from poverty and unemployment, thereby fostering peaceful and comfortable environments.
 - c. promote cooperation and harmony among various human circles.
 - d. Promote healthy dealings, behaviors, human values and consonant culture.
12. Health hazards stemming from heat, **CGPS**, Flood, wars and aftermaths of **SCC** will diminish by an astonishing 900-1500%. This will prevent significant depletion of financial resources within the healthcare sector by fostering a healthier environment, curbing health-related issues, mitigating discomforts and reducing mental strains, with simultaneously exerting substantial control over the pharmaceutical industry.
13. Will significantly mitigate incidences of wars, battles, conflicts and disputes among nations arising from water scarcity and cross-border propagation of undesirable heatwaves, **CGPS**, floods water, sewerage and wastes, as these all will be sternly controlled by **GAC** aftermaths.
14. will establish robust control over an unstable economy, insecure peace and vulnerable food supply chains, thereby significantly mitigating the political instabilities/crises and opportunities of terrors that are often exploited by opponents and rivals utilizing these vulnerabilities.
15. In the wake of a significant surge/boom in employment opportunities, coupled with enhanced job security and increasingly demanding work schedules, as well as flourishing business and financial endeavors, many of the social issues exacerbated by their absence are likely to dissipate automatically, raising an environment of safety and peace.
16. All the aforementioned factors will significantly enhance economic savings, foster tranquility and yield a plethora of additional benefits.
17. Will restore Nature and rebuild all the ecosystems destroyed by huge **GHH** and **GT** buildups.
18. The **GAC** strict Climate Calamities control (**CCC**) will avoid perishing of the global resources, safeguarding them for their optimal, efficient and beneficial use.
19. The **CCC** will avoid many quadrillions of **USD** use in dealing with their aftereffects and rehabilitation.
20. The satisfactory performance of **CCC** will avoid too many terrible troubles, difficulties, restlessness along with saving of property damages and other financial losses.
21. A comprehensive **CCC** with substantial mitigation of disasters will alleviate the pervasive fears, dangers, anxieties and terrors experienced by the general public as well as within the realms of management and administration.
22. **GAC** will heavily promote **AALPDP** growth, too much more than those indicated in [33] and help accomplishing the **UNO** most emphasized **SDG** drive.
23. Will mitigate the potential depletion of global resources by diminishing **CC** related disasters and their associated mismanagements.
24. Will reduce the depletion of resources through proactive and preemptive measures for the management of floods and other calamities.
25. Flood of employment opportunities and socioeconomic advancements will enhance the judicious and advantageous utilization of resources, supplanting their haphazard drainage compelled by climate change.
26. Water Vapors' Beneficial Role as a Greenhouse Gas.

Behavior of water vapors in the Earth's atmosphere, a significant greenhouse gas, is often cited as a major contributor to global warming due to its obstruction of heat radiation. This assertion is not only fundamentally flawed, but also overlooks its immensely beneficial role that water vapors plays for the inhabitants of our planet. Water vapors in the atmosphere predominantly exists in transparent vapors and clouds. The transparent vapors have a negligible impact on reflection of radiation and further heat absorption rendering it largely inactive in the context of global warming, regardless of the time of a day or season. Conversely, the clouds exhibit a dual role; they absorb a small amount of radiation and transmit some, but predominantly reflect most, a phenomenon that is advantageous for life on Earth. During winter, when nights are cold and prolonged, this reflective property of clouds mitigates the Earth's long-wave radiation more effectively than the sun's radiation during the shorter days. Consequently, clouds serve as a comfortable blanket in winter nights. In summer, the extended daylight hours allows the clouds to obstruct a greater amount of solar heat radiations, providing a desirable compared to the brief blockage of Earth's radiation at shorter nights, which is generally less impactful as it typically follows rainfall, leading to a reduction in temperature and discomfort. Thus, the net effect is a positive contribution to **GHH** dissipation (**GHD**) and their absence would result in adverse consequences.

Furthermore, during the transitional periods between these two seasons, the favorable effects of clouds oscillate with the shift from night to day and back again, maintaining an annual net positive effect on **GHD**. Even if the criticisms were all valid, the role of water vapor in facilitating heat transport to the Troposphere through water cycle processes of evaporation and precipitation overwhelmingly compensates for all perceived deficiencies. Promptly managing the water cycle continuous and streamlined will streamline the **GHH** dissipation to outer space, while rainfalls and water flow to the earth manly streamlined both in time and space. This will make the weather pleasant, healthy, peaks free and clean from **CGPS** and will avoid health hazards and pandemics.

27. New environments and newly augmented resources will inspire the innovative research and development endeavors like
 - a. One such area of exploration is the diversion of wildfire energy wastage and terrible disasters to its beneficial human use before its disasters startup.
 - b. Another focus is the conservation of finite underground fossil fuel resources through the adoption of renewable energy alternatives such as solar, wind, hydropower, Sea tides, ocean currents and **forest wood** etc.
 - c. Additionally, there is an increasing emphasis on the sustainable utilization of surface water resources in contrast to the extraction of subterranean water reserves, which should be restricted to use only during emergencies while, everyday usage limited to their natural and human crafted recharging capacity.
 - d. Waste management through beneficial recycling.
28. Human migration forced by poverty, jobs scarcity, all aftermaths of climate change, wars, disturbances and droughts etc. will diminish almost to zero with **GAC** performance..
29. Financially forced criminality and all associated dilemmas will ultimately subside.
30. Peaceful export and import business will boom up in calamities free environment, stable weather conditions and promoted mutual cooperation and harmony.
31. Lives and property disasters in aeroplane crashes and traffic accidents through abrupt furious weather changes borned will subside by the peaks free and streamlined weathers.
32. Further emergence of unparalleled challenges stemming from climate change, **GHH**, **GT** escalations and their consequential phenomena—such as the fracturing of the terrestrial surface in California along with subsidence of land at various locations, based

- on too much excessive pumping of underground water as compared to its recharge ability,—will culminate in a plethora of complexities and damages, all of which will be meticulously addressed with due diligence by **GAC** boosted surface water availability and terrestrial water recharge ability.
33. The critical instability in Earth rotation with potential perils associated with the gradual deceleration of the Earth's rotational velocity—resulting in an extension of both solar day and year due to accumulation of polar and glacial ice melt with less momentum/torque around the equator [13, 29], thus reducing its over all speed for maintaining the Earth torque invariability, will reset with the restoration of polar and glacial ice masses under the **GAC** operations.
 34. The critical instability in Earth rotation system of wobbling, nobbling and hobbling of its axial tilt, hence Risk of faster Growth of **CC** as a consequence of escalated melting of ice in the **NHS** as compared to that of South [29] due to Earth north as first largest target of **IBWT** than Southern and the subsequent movement of this differential ice melt towards the Equator. Hence, the southward shift of centre of gravity will inevitably subside by **GAC** operation.
 35. Ozone layer depletion [34] is exacerbated by the emissions of gasses utilized in air conditioning systems, refrigeration units, some firefighting equipments and various medical treatment methodologies. The implementation of **GAC** operations, as stated above, will markedly reduce their demand by decreasing **GT**, thereby mitigating the deterioration of the ozone layer and its promoted diseases and terrible troubles.
 36. As **GT** rises, ozone layer decomposes, ecosystems are affected increasingly and thus human health begins deteriorating. **GAC** operation will promptly block this issue.
 37. The climate of Middle East and Sahara desert will change particularly to much moderate and relaxed state. After about 20 - 30 years operation of **GAC**, the rainfall will start here with optimum water feed in **GAC** and thus result in too much agricultural products growth.
 38. The Pacific Ring of Fire and its chain activity is being continuously boosted by **GT** growth. The down tracking of **GT** will reduce the frequency and intensity of this nightmare.
 39. Regular working of **GAC** will regulate snowfall, which will reduce Albedo feedback to **GHH** and extraordinary melting of polar ice.
 40. Through reduction of **GT**, the **GAC** will avoid terrifying threats of collapse of **AMOC** [35, 36, 37, 38, 39, 40, 41] and thus to European, rather whole Global climate based disasters along with drainage of huge financial resources in preventive measures like construction of proposed 80 km dam across the Bering Strait [37] which if carried up will result in many other irreversible losses of many ecosystems along with huge blockage to marine species movements across this Strait.
 41. Reduction in **GT** will avoid not only the terrible threats of 16 Climate Tipping Points (**CTPs**) indicated by [40, 41], but will also solve many other yet not unearthed/visualized or emerged horrible climate dragons activated by further growths of **GT** and **GHH**. Even within the Paris Agreement, goal of limiting Global warming to well below 2°C, preferably 1.5°C [41], 6 of these 16 **CTPs** have already crossed their threshold temperature. Thus, even 1.5°C is not safe. Threshold temperature crossing of many of these will multiply the risks of 16 **CTPs** as these can generate positive feed backs or cascade that may increase the likelihood of crossing other **CTPs**. Currently the world is heading toward ~2 to 3°C of global warming and its shooting up and up in the scenario of their cascading and multiple positive feed backs would never ever be stopped with all present resolves and struggles unless full **GAC** strategy is implemented **immediately at full spirit, speed, parallel at its all fronts and at all costs.**

GAC Roles Globility Confirmations:

The **GAC** roles and its aftermaths are naturally widespread over the entire Globe, both positive and negative depending upon its initial Freon supply or blockage respectively from its essential port, the Pakistan. All its aftermaths are very much disastrous in the absence of Freon supply and are most beneficial as pointed out above if this Freon is made fully available at its right inlet-port, the Pakistan. The globility of its role over all the Globe may be visualized and confirmed from the following events.

1. With almost all past floods instances in Pakistan, heavy brakes were applied to the polar and glaciers ice melting rates on all over the Globe, matching in time and proportionate to Flood water quantity entrapped outside rivers tracks and forced to evaporate feeding **GAC** (Fig. 5). All these show its very effective and efficient role on the **GT** throughout the Globe enabling it by the Freon (water) supply from the floods in Pakistan.
2. The frequency trend of USA bound storm and hurricanes (**NAH**) take birth in India and Pakistan as **IAW** trains and their intensity & frequency are dependent on **GHH** [19]. **IAW** are navigated by **SLV** traction over the whole Globe within a year and globalizes the **GAC** role, may that be negative or positive. Due to spherical shape of **EG**, its eastward surface linear speed about its axis varies as cosine of the latitude, maximum at Equator and zero at the poles. Thus, the track of these **IAW** relative to Earth initially goes westwards, as their absolute eastwards speed is less than that of earth. As their north or south component moves these towards poles, the local earth speeds carry on reducing, thus these initially going west, start turning towards poles and then to east (Fig. 4). Under 3 dimensional variation of **SLV** traction in half of the year, every next track of **IAW** repeats on west of the leading one (Fig. 4) [11, 35], till the **SLV** southward traction pulls these towards south over the Far-East and due to earth decreasing speed turns these all towards east when their eastward speed star becoming more than that of the earth. Here and henceforth, every next **IAW** track repeats the leading one on its east in Southern Hemisphere during next half of the year (Fig. 4). Thus, their end around north pole form steadily moving train following the preceding one as compared to the south, where these are continuously boosted by all the preceding ones on this side. This all globalizes the **GAC** role, may it be positive or negative.
3. It is proved that almost all **NAH** and storms (in USA) are initiated at **CTRT** deserts of Indian Subcontinent [20, 27, 31] as trains of vertically rolling **IAW**, toppled by African south western coastal wind (track indicated by **2C** in Fig. 4) into horizontally rolling **NAH** over the African Western coast, except perhaps one which escaped from toppling and went vertically rolling, trolling and slipping hurricane.
4. One sever alone **NAH** in June (**NAHJ**) traverses as discussed above in “Guidance to Climate Change Roll Back Process” also shows Globalability of **IAW** and **GAC**.
5. The fluctuations in 100 years **NAH** family graph [30, 31] is an x-ray of roles of some geophysical contributors to **GAC** & **IAW**; Indian Subcontinent location on **EG**, the **EG** track around the Sun within 20th July to 10 November window for USA main direct attacks of **IAW** aftermaths indicated by **2A** in Fig. 4, except the one, **NAHJ** outside this window indicative of one natural technical cyclic events of 3-4 year cycle due to 10-11 day Lunar lead per year with respect to Solar year.
6. Almost all tornadoes, twisters, windstorms, rains and sea-floods attacks on Far-East, Phillipine, Japan, China etc. are the result of **IBWT** affected **IAW** (**IBIAW**) rolling over the Mexican bay, Central America and Pacific Ocean shown as “**3A**” in Fig. 4 since September.

7. Almost all wind and sea storms in Malaysia, Indonesia and Australia are the result of aftermaths of **IBIAW** rolling over Central American states and Pacific on the tracks marked as “**1B**” in Fig. 4.
8. Almost all heavy snowstorms in USA, Canada, Europe and Asia are initiated from Australian heatwaves and wildfires --- rolling over the Pacific along **Chilli** directed by west coastal mountains of both American Continents shown by cyan dotted line with part crossing over the Central America towards USA southern states shown by white dotted line --- are the result of **IBIAW** aftermaths initially crossing westwards over the Central America and rolling over the Pacific as shown by the tracks marked as “**1B**” in Fig. 4.
9. Almost all wind storms attacking Antarctica (Figs. 10 & 11) are the result of **IBIAW** aftermaths slipping towards south with the help of Earth terrain topology during Northern summer as shown by the tracks marked as “**1C**” and “**3C**” and the portions slipping towards south from “**1B, 2B, 3B**” during Northern autumn and winter (Fig. 4).
10. As detailed above, the 2022 Eurasian heatwaves and wildfires were brought by **IAW** trains from Middle East and Sahara deserts on their April-May tracks [22] boosted by heatwaves and wildfires in Pakistan initiated by the scarcity of irrigation water as a result of Indians unjustified control on water flow of Chenab river. Then, these **IAW** trains moved to northern Pacific quenching their thrust on the way from eastern Russia, China and Pacific and discharged this too heavy water load in India, Pakistan and Middle East causing scariest floods and extremely heavy disasters there over and above their tragedies in rest of **EG**.
11. Then, this large flood water entrapped in Pakistani flooded area supplied Freon to **GAC** and thus 2023 was much moderate as compared to 2022 and 2024 against its much more expected disasters than these two, being within the 3-5 years agitated group of 18.6 years lunar nodal precession cycle [22].
12. The drop in Global atmospheric temperature in 2023 as a result of **GAC** operation with Freon of water from 2022 extreme floods in Pakistan as stated at number 11 above, substantially decreased the polars and glacier’s ice routine melting rate and this substantially decreased the routine cold water entering the oceans and decreasing their temperature already boosted as a result of heatwaves and wildfires of 2022 [22] particularly in Asia, Africa and Europe boosting **GT**. Hence, critical temperature growth was observed in oceans during 2023 [24], before its subsequent settlement lagging behind the **GAC** preceding activity.

All these show continuous **Global role of GAC, very much positive with the help of water irrigating Pakistan (GAC Freon) and extremely negative and disastrous without it [22].**

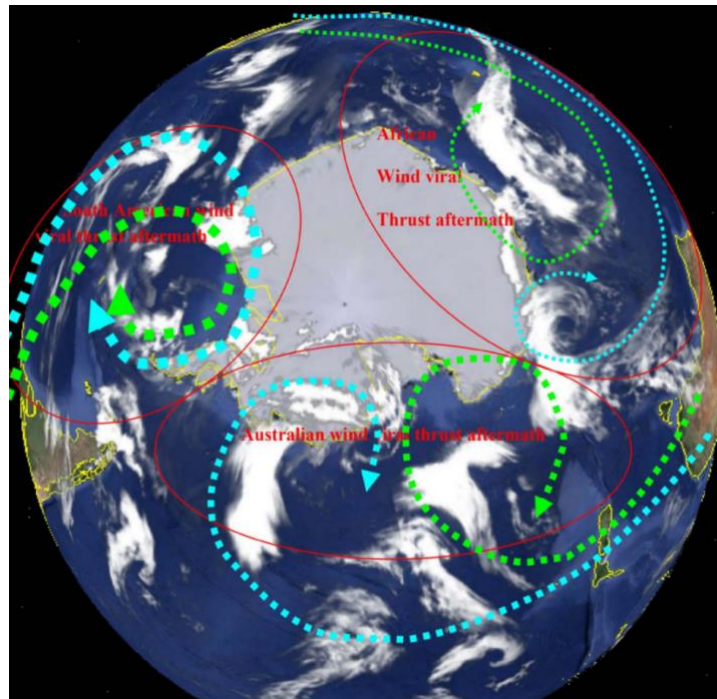


Fig. 10. Antarctica ice heap under attack by wind whirl blasts from South American, African and Australian Continents motivated by **IBWT** through its nurtured Global Heat Contents the and Temperature and directly by offshoots of its water vapors deprived **IAW**. The cyan dotted lines show the route and intensity of fired wind whirl attacks on Antarctica by 3 continents.

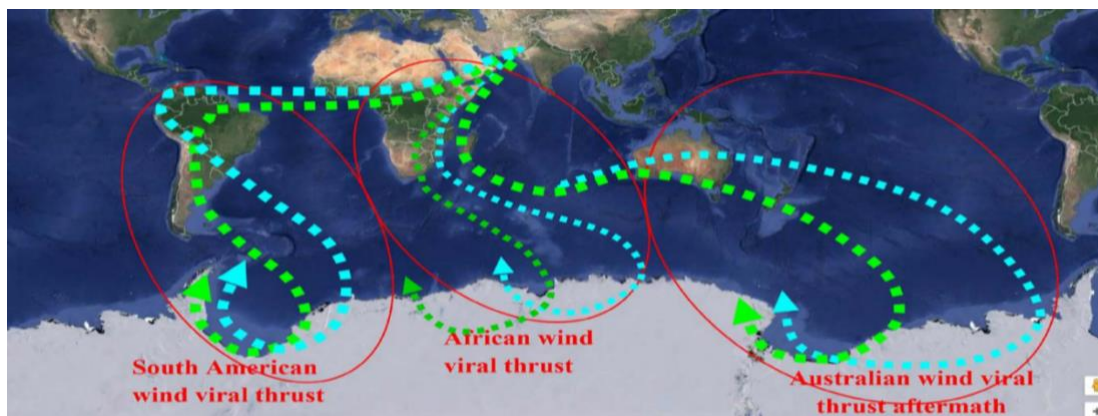


Fig.11. Antarctica ice heap under attack by wind whirling blasts from South American, African and Australian Continents motivated by **IBWT** through its nurtured Global Heat Contents and Temperature and directly by offshoots of its water vapors deprived **IAW**, with their possible tracks shown above. Africa being at more distance has less effect in ice melting.

Main Infrastructures for GAC Mobilization:

For mobilizing **GAC-I**, no main infrastructure is needed except **IBWT** reversal to 1946 water flow status and repairs of irrigation system ruined during past 65 years. For mobilizing **GAC-II**, **GAC-III** however, the following developments of main infrastructures are needed.

I. Storage Dams:

The present main source of **GAC** Freon is the monsoons annually roaming both in time and space with huge flow fluctuations from 180 to 110 MAF/year [31] along with 13-14 years long drought period in 37 years Lunar directed flow cycle [19]. With the help of Divinely crafted facilitators, the annual average 146 MAF can be boosted to 3 times as pointed above, if optimally managed with adequate storage dams and needed irrigation, drainage

and hydropower generation systems for the above stated roles of **GAC**. This boosted flow is vital to maintain continuous and uninterrupted optimum Freon Feed to **GAC**. Thus, to meet its flow management needs and compensation of flow deficiencies during droughts, the dams with 488-500 MAF multiyear storage capacity are required as shown in Table 3, along with Power Tunnels stated below for recovery of green energy. This will obviously, avoid the flood disaster and meet the irrigation, aquaculture needs, while hydropower generation may require even more dams.

Table 3. Dams Capacities and other Statistics.

S/No	Dams	Storage Capacity MAF	Hydropower MW (Initial)	Hydropower MW (Ultimat)	Diversion Channel
1	Tarap (Makhad)	152	12,000	12,000	1
2	Jam Rao	115	150	150	5
3	Kalabagh-263 M	1.25	1,250	1,900	0
4	Rasul	53 - 64	2,000	2,000	2
5	Katzara-Skardu	35	15,000	21,500	0
6	Upper-Warsak	23	1,166	1,166	0
7	Marala	10	0	0	1
8	Khaplu	10	0	0	0
9	DM Bhasha	6	6,000	21,000	0
10	Tarbela (exists)	4.6	4,800	16,600	0
11	Mangla (exists)	8.77	2,000	2,000	0
12	Karot, Rohtas, Bunnah	9	1,100	1,100	0
13	Swat, Ambahr	9	1,270	1,270	0
14	Chutiari (exists)	0.9	0	0	0
15	All Baluchistan dams	25	0	0	0
16	Karachi Coastal Dam	25	0	0	0
	Tota	487.52-498.52	46,736	80686	9

II. Flood diversion Channels

(a). **01 in -Tarap:** Tarbela-Lund;

(b). **02 in-Rasul:**

i. Marala-Khahrian,

ii. Pathankot –Jammu-Akhnor-Jabba Kas if possible,
otherwise Paraganwala to Jabba Kas.

(c). **01 in -Marala:**

Chak Amru-Marala

d) 05 canals feeder of Upper Thar canal + flood diversion chanales for Jam Rao dam:

i. Head Sulemanki-Peer Jamaal

ii. Islam Headworks - Peer Jamaal

iii. Punjnand - Peer Jamaal,

iv. Khan Bella - Peer Jamaal with a barrage across Indus river at Khan Bella upstream of Chachran Shareef and

v. Guddu Barrage-Peer Jamaal with barrage at Peer Jamaal to allow flood flow to Jam Rao Dam, otherwise feeding Upper Thar canal.

III. Power Tunnels:

S/No	Power Tunnel	Storage	Hydropower MW (Initial)	Hydropower MW (Ultimat)	Tunnls Nos.
1	Neelum Jhehlum(exists)	0	969	969	1
2	Arja in place of Kohala	3.5	3,063	3,063	2
3	Bunjee	1.5	2,000	9,000	1
4	Warsak- Charsada	0	1,993	1,993	1
	Total	5	8,025	1,5025	5

IV. Irrigation Canals:

S/No.	Canal Name.	S/No.	Canal Name.
1.	Indus West Bank Canal	4.	Lower Thar canal
2.	Kotry-Karachi-Gawadar canal	5.	Upper Thar canal.
3.	Marala -Sutlaj canal.	6.	Thal canal.

Thus, overall 8/9 large & 14/15 news mall dams with 488-499 MAF water storage capacity, 4 new power tunnels, 4 flood diversion plus canal feeders, 4 flood diversion channels, 9/10 irrigation canals, 46,736+8,025=54,761 MW initial and 80,686+15,025=95,711 MW final power would have to be developed.

Financial Resources for GAC and their Logical Liabilities:

All the countries must contribute finances for GAC mobilization proportionate to their role in promotion of the 2.245 ZJ/yr (13.6%) heat input in the EG and contribution by the above stated WUFGA and India proportionate to 14.235 ZJ/yr (86.4%) heat input in the total required finances proportionate to 16.48 ZJ (100%). A simple way for example to charge 13.6% part of finances is, say one USD per barrel of petroleum production along with one USD per barrel consumption and 2 (say) USD per acre burned by wildfire per year right from 1960 till the problem is amicably overcome, repeated as many times as needed. A way for 86.4% part may be on mutual understandings of the concerned countries. The UNO and International Court of Justice (ICJ) should seriously and immediately intervene and take a so-motto action to avoid all climate based troubles and life eradication of all the living human beings, animals, vegetations, plants and plankton from this horrible nightmare by enabling GAC-I through reversal of IBWT and mobilizing GAC-II and GAC-III as soon as possible. Within a few years, this activity will contribute to suitable and better rather best climate, huge reduction in financial and properties losses, floods and other sever Climate Calamities, health hazards, mortality rates, safety threats, disasters of vital infrastructures, droughts, oceanic levels rise, GT, human migration and disturbances, foods shortages, CO₂ and other GHG, sublimation rates of polar and glacier ice, Ozone layer depletion rate, volcanic eruptions, Earthquakes, new fault lines generations and their activation, wildfires and their disasters and too many other issues of immense human concerns etc. along with GHH. The funds allocated by UNO for these must be diverted for use in this activity. It may take at least 15-20 years to establish all the needed infrastructures and mobilize all the 3 parts of GAC. The UNO and ICJ should also intervene for the compensation of losses of Pakistan due to IBWT implementation as indicated in [17] and World Bank technical blunders in its recommended report of 1967 on “Water and Power Resources of West Pakistan” [17, 31]. Also, the funds allocated by all the countries for research to find the Cause and Control of CC be transferred honestly to this researcher. The Nobble Prize Committee should also review this research against physics, Climate change, environment and solution to an extremely stringent Global Life Eradication Challenge. For

more technical details of scientific scenario and know how, one may refer to author's climate related published research papers stated below in references available at ResearchGate too.

Conclusion:

From the above discussion it is concluded that

1. **IBWT** is the real and major (86.4%) cause of all **CC**, contributing continuously to heighten the present **GHH** along with boosting intensity and frequency of all **SCC**.
2. **IBWT** contribution to **GHH** and thus to **SCC** is continuous without any break, since 1973, contrary to that of all other contributors with intermittent and limited time bound contribution like wildfires, warfares, nuclear tests or bombing, volcanic eruptions etc., which booms up and then settles down with some extra heat dissipation with time.
3. Targeting **CO₂** with 3.4% total share in **GHR** or even all the 13.6% share of all contributor other than **IBWT** for control of **HG/CC/SCC** with all possible efforts is **absurd, rather nonsense**. These all can control not more than 5-6% at the most.
4. Through **IBWT** aftermaths, The **God** has guided mankind to the unique and sole successful solution of all **GHH, CC** and **SCC** for centuries through **GAC** mobilization.
5. The **God** has not only guided, rather pushed hard towards this solution, but has already created and kept ready all the components of this **GAC** and also its all the helping systems almost ready for its mobilization.
6. The **God** has created **GAC** complete in all respect with limited mankind role in its mobilization confined within limited area, but with complete control of all the Global Climate Problems.
7. **GAC** will start with 86.4% contribution by **GAC-I** and finally 237% by whole **GAC**,-- 100% (16.48 ZJ/year) to compensate the present annual heat input and 137% (22.61 ZJ/year) in draining the 982 ZJ Global heat heap.
8. **GAC** mobilization will reinstate all ecosystems disturbed by **CC**, stabilize all possible instabilities and reverse the growth of all nightmares brought up by **CC**.
9. Over and above the most pertinent solution of all Global Climate Calamities, The **God** has made this **GAC** with most profound benefits, contributing in more than 60 most critical and crucial Global issues of all mankind's deep concerns as stated above under "**Benefits of GAC**" and "**Regulated Rainfall Hike**".
10. **GAC** will carry on performing its full role as long as the **GHH** and its annual input support it and will decrease with input heat deficiency and at some critical situation petroleum industry help may be needed. This situation however, will rarely arise with population, industries and their energy needs continuous growth.
11. **CC** can never ever be controlled by any **GHG** or direct heat generation control.
12. **GAC** is **the only solution of Global heating, Climate Change** and their all terrible aftermaths.

Recommendations:

The following actions are recommended in this regards

1. The **UNO** should call meeting of scientists/engineers from all over the world engaged in search of the solution to **CC** and elaborate this solution to them for wide consensus and supports.
2. Both the General Assembly and Security Council of **UNO** should pass
 - a) resolution to go for this solution through **UNO** management with **ICJ** strong verdict to all the countries for cooperation and payment of their all liable dues estimated by **UNO** management for **GAC** project.
 - b) A resolution, that all countries must discharge their financial liabilities as outlined above in "**Financial Resources for GAC and their Logical Liabilities**".

- c) A strong resolution that all countries, groups, agencies must refrain from any activity that may disturb the piece, safety in Pakistan and hindrance in progress of **GAC** implementations directly or indirectly.
 - d) A strong resolution that all non cooperative and defying countries, groups, agencies will have to face sever consequences and sanctions not to be challenge-able in any court of law and not to be Vetoed.
 - e) Counties with Veto power must not exercise Veto, but may have two votes only except to vote with two votes in place both in favor or opposition or one each.
3. **UNO** should set aside the **IBWT** and restore all the water flow to Pakistan as was before 1946, so that **GAC-I** may become fully functional.
 4. **UNO** should also assist in restoring irrigation system ruined in last 65 years after **IBWT**.
 5. **UNO** should set up the Head office of this project in Islamabad and sub-offices and site offices at suitable locations as and when required.
 6. Its technical wing should get completed the work schedules, surveys, designs, cost estimates, land acquisition, Contractors Qualifications, tendering the construction of all parts of each sub-project with collaboration of concerned Pakistani Authorities.
 7. Its financial wing should estimate financial liabilities of each country and collect this promptly on yearly bases matching with advanced estimates of the expenses.
 8. All needed infrastructures as outlined above must be constructed to complete within minimum possible time for early mobilization of **GAC**.
 9. All the project already in progress and even those which are yet in visionary state that will contribute to **GHH** Control or **UNO** highlighted **SDGs** should be financed from **UNO** funds taking or sharing their supervisory charge.
 10. The rehabilitation and compensation of all affected must be taken up at priority.
 11. Pakistani authorities must be made ready for all cooperations and security measures for all the staff and infrastructures.

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