



Aayka Waterproofers PVT.LTD.

Waterproofing & Rehabilitation

#ENTRAPPED DAMPNESS

aaykapolymers@yahoo.in

www.waret1996.com

WA-RET1996

[Waterproofing-Rehabilitation Engineering Technology]

A REVOLUTION in

#WATERPROOFING

#REHABILITATION

WITHOUT DISMANTLING

With specific reference to #ENTRAPPED DAMPNESS

AAYKA WATERPROOFERS PVT LTD -an

ISO:9001 MSME

Using PATENTED & COPYRIGHTED products & technologies

The 1st WA-RET (Waterproofing-Retrofitting)
Revolution 2016 Crack management,
Waterproofing & Retrofitting without dismantling



Dear Delegates,
Greetings !

We welcome you all and Present ,

“Revolution needed in Waterproofing & Rehabilitation industry for achieving the needed stable infrastructure for \$ 5 trillion Economy “

“The 36th Indian Engineering Congress Century Celebrations .

Delhi State Centre, Delhi on December 26-28,2021

**“Engineers for viable Technology and \$ 5 trillion Economy
“**

at

Vigyan Bhawan Maulana Azad road, New Delhi-110001

A WORLD RECORD 23 YEARS PERFORMANCE CERTIFICATE

Tele: 25693678
NIC Mail: ambshsp4-mes@nic.in

Military Engineer Services
Garrison Engineer (E/M)
Base Hospital
Delhi Cantt-10

8001/Gen/ (18) TE8

17 Jan 2022

PERFORMANCE REPORT


It is certified that **AQUA SHIELDS** have executed a waterproofing job for roof of buildings VIP Ward, T-12 at Base Hospital in 1999, as applicator/ manufacturer for Waterproofing using 'Supreme Aqua Shields', **AQUAVENT** and other products.

The performance of the same is Satisfactory, as no major leakage and seepage is observed/ reported till date.

This certificate is issued on request of Mr. Ajaya Kumar Harit, Director Aayka Waterproofers Pvt Ltd. The principle franchise of "AQUA SHIELD" B-63 2nd Floor, Ardee City, Sector-52, Gurugram, Haryana – 122002.

And issuing this certificate to them is without any obligations.




(Sudhanshu Mishra, IDSE)
EE (SG)
GE (E/M) Base Hospital

Its REDRESSAL With specific reference to LEAKING

RCC / Non RCC. structures:

- ❖ OVERHEAD TANKS AND UNDERGROUND TANKS(RCC/NON-RCC)
- ❖ METRO STATIONS, TUNNELS , BASEMENTS
- ❖ SUNKEN SLABS
- ❖ RISING DAMPNESS
- ❖ [A] DPC FAILURE
- ❖ [B] COLUMNS/WALL/floor of BASEMENTS.
- ❖ [C] SUNKEN SLABS
- ❖ CHAJJAS/PORCHES:
- ❖ ROOFS



Content

OUR SERVICES

1

**WATERPROOFING #WITHOUT DISMANTLING
#ENTRAPPED DAMPNESS Management Protocol**

2

Waterproofing of Basement

3

Waterproofing of Water Tank

4

INJECTIN GROUTING NIPPLE

5

**DISTRESSED ABANDONED/RCC
AUGMENTATION & REHABILITATION OF DISTRESSED
RCC.**

6

Waterproofing of lift Pits.

7

Differential Settlement

WATERPROOFING



Aquavent Wall model



Aquavent Floor model



Joints of RCC



Injection Grouting nipple



Reverse bleeding of grout from floor.



Expansion joint Area.

Repair & Rehabilitation



Drying of walls after grouting.



PCC GOLA



Coating on walls for waterproofing



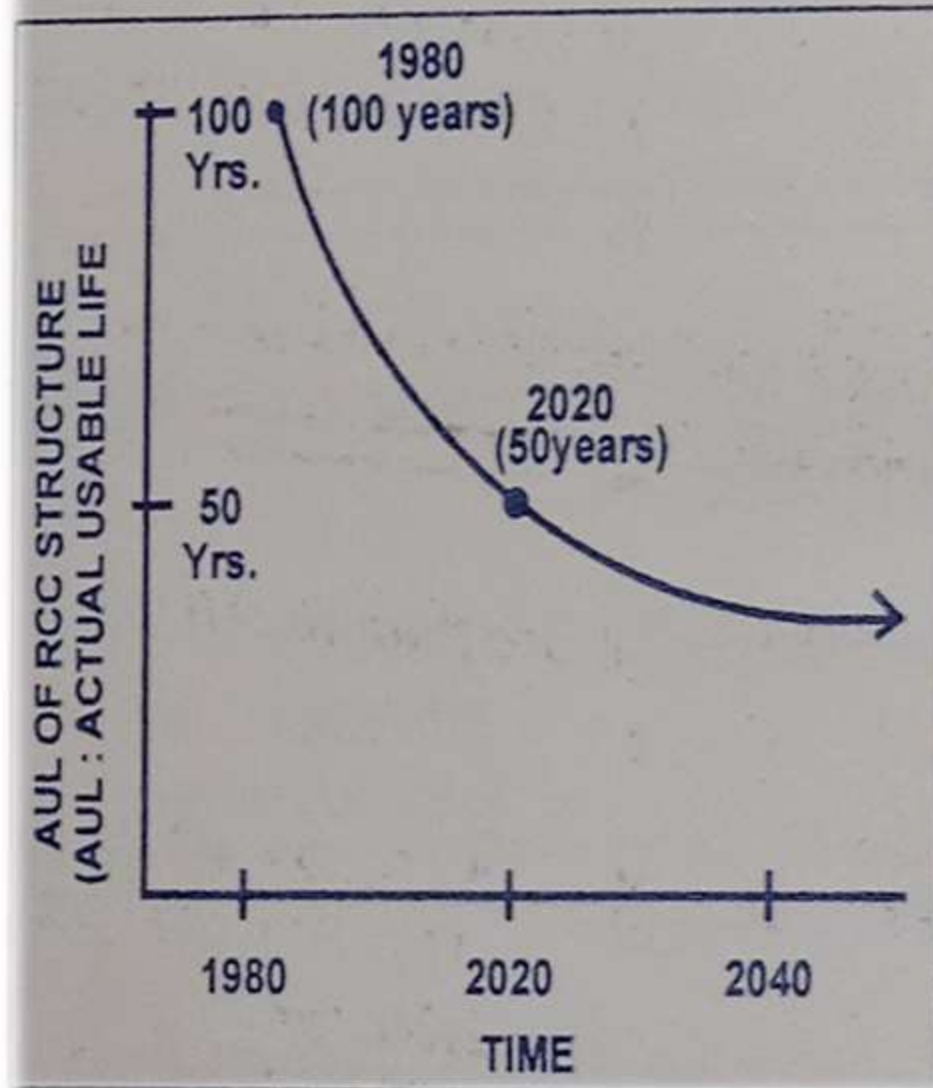
Dr.Miracle SS mixing with earth filling



WHY ?

1. Life of RCC. Structures reducing since 1980, despite the use of modern products, technologies, waterproofing and rehabilitation products.
2. Absence of ENGINEERING in WATERPROOFING and REHABILITATION protocols.
3. HIGH MOISTURE CONTENT in structures not being noticed so far.
4. MOISTURE CONTENT not a parameter being considered before issuing FINAL COMPLETION CERTIFICATE of building by competent Authorities.
5. Licensing of contractors in
 - I. PLUMBING
 - II. ELECTRICAL
 - III. WATERPROOFING
 - IV. REHABILITATION not adopted yet in India, although Practiced worldwide.

FACT STATEMENT: "Entrapped Dampness more than 3 months is like a cancer for RCC, as corrodes the steel of RCC. On corrosion, steel expands & disintegrates the RCC Thus, reducing its life span from 100 years in 1980 to 50-40...."



INTRODUCTION :

The construction industry is encountering the biggest challenge of EARLY DISTRESS of

RCC. structures caused by onset of its CORROSION leading to reduction of AUL [Actual Usage/service Life].

The situation is grave, as, we are declaring even a 5-15 years building UNSAFE in some cases.[MSC]

The causes of CORROSION [Chloride attack /Carbonation] have been studied & debated , at large, since long ,

with a very limited success in containing it on ground.

This paper shares an insight into the real problem-

THE ROOT CAUSE & its REDRESSAL using a technology TESTED for 23 years



TANK,



A BIG SECURITY CONCERN



The development of **CRACKS** in a **LOAD BEARING** structures due to **CORROSION** [as in multistoried **HOUSING SOCIETIES**] is **CRITICAL** and the major disaster ,in an eventuality of a **MAJOR EARTHQUAKE** seems inevitable.

This needs a national awareness campaign and a **ANTI DAMPNESS DRIVE** .

A **MANDATORY STRUCTURAL AUDIT** is also need of the hour,as, it involves the **LIFE** of a large population.

SIGNIFICANCE:

1. The Concrete cover of ceiling of the top floor of almost all buildings constructed

20 – 30 years ago is under Distress / Rejection of concrete cover due to corrosion of steel.

2. Almost every Structures have damp walls, molds since centuries.

3. Almost all Damp structure {i.e. more than 20% moisture content}.....leading to efflorescence peeling paints early distress.....rehabilitation costs

IMPACT:

- 1. Reduces life of Structures.***
- 2. Adds to the Expenditure on early Rehabilitation.***
- 3. Risk of Life, as load bearing columns in multi-storeyed building in extreme distress.***
- 4 Diseases like infections, asthmas, allergies, depression etc. by molds etc.***
- 5. DRAIN of resources on reduction of life / repair of structural.***

ACTION PLAN:

1. Declare **#Entrapped Dampness** as a “**Nationality Emergency**”.
2. National awareness like COVID etc campaign on **Entrapped Dampness**.
3. **Law** on Anti dampness in three years to achieve dampness below 20% after three months of constructions.
4. Stop demolition of buildings for want of expensive/uneconomical structural repairs, as, now **#WARET 1996** gives you a budget <20% of market value of structure.
- 5 .Adopt **#WARET 1996** for all tunnels, basements, underground structures and make them good for another lifetime centuries.
6. **TRIPARTITE GUARANTEE’S** for Waterproofing & Rehabilitation by **manufacture, applicator and main contractor**.
7. **De-saturate** and restore your buildings and **extend life of structures up to 100 years plus**.

OUR **GIVE** to THE INDUSTRY

RAISING the BAR of **WATERPROOFING** by
#without dismantling

And 20 years PLUS GUARANTEE[23 Years already DOCUMENTED] and
REHABILITATION with up to 30 years **ADDITIONAL AUL**

[Actual Usable Life] confirming to the IS:CODE adopted in construction.

- 1. Increase of AUL (Actual usable life) of structures by 20 years initially to 30years+*
- 2. Creation of national wealth in access of 1000's of Crores .*
- 3. The largest/biggest reducers of carbon footprint in construction industry.*
- 4. Increase in life of tunnels and underground structures to centuries.*
- 5. Elimination of the IET (Infrastructure engineering terrorism).*

Our **ASK** from the INDUSTRY

STRUCTURES with

- EXTREME** DISTRESS
- LEAKING** for **DECADES**
- ABONDENED** for **WANT** of **ECONOMICAL REPAIRS**
- GUARANTEE** by **MANUFACTURERS**
- DECLARE #ENTRAPPED DAMPNESS “A NATIONAL EMERGENCY”** like **POLIO ,CORONA.....**

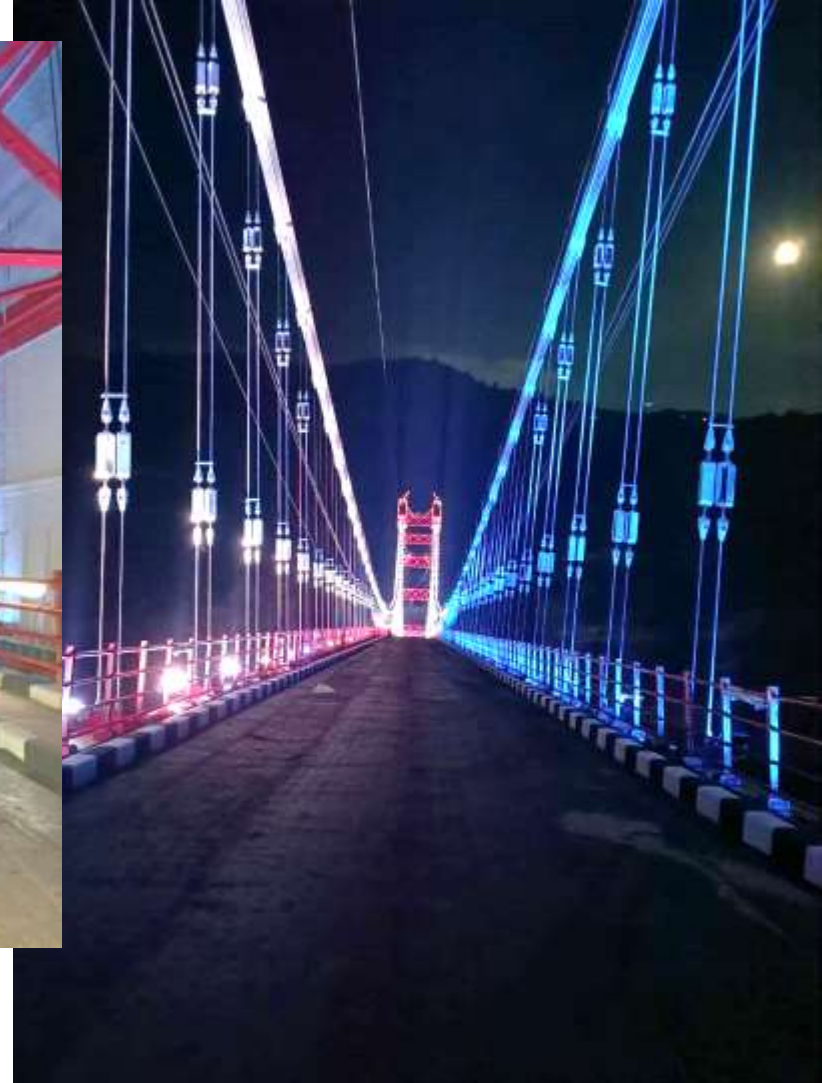
My technical Mentor
Prof. SK Agarwal
EX- HEAD: STRUCTURAL CIVIL ENGINEERING
IIT ROORKEE



A state of art Bridge designed by my Technical MENTOR

Professor. SUSHIL KUMAR AGARWAL ,Ex-Head Structures Civil Engineering, IIT Roorkee.

Dobra Chanti Vehicular Suspension Bridge Upstream of **Tehri Dam on Char Dham Yatra Route.**



FACT STATEMENT

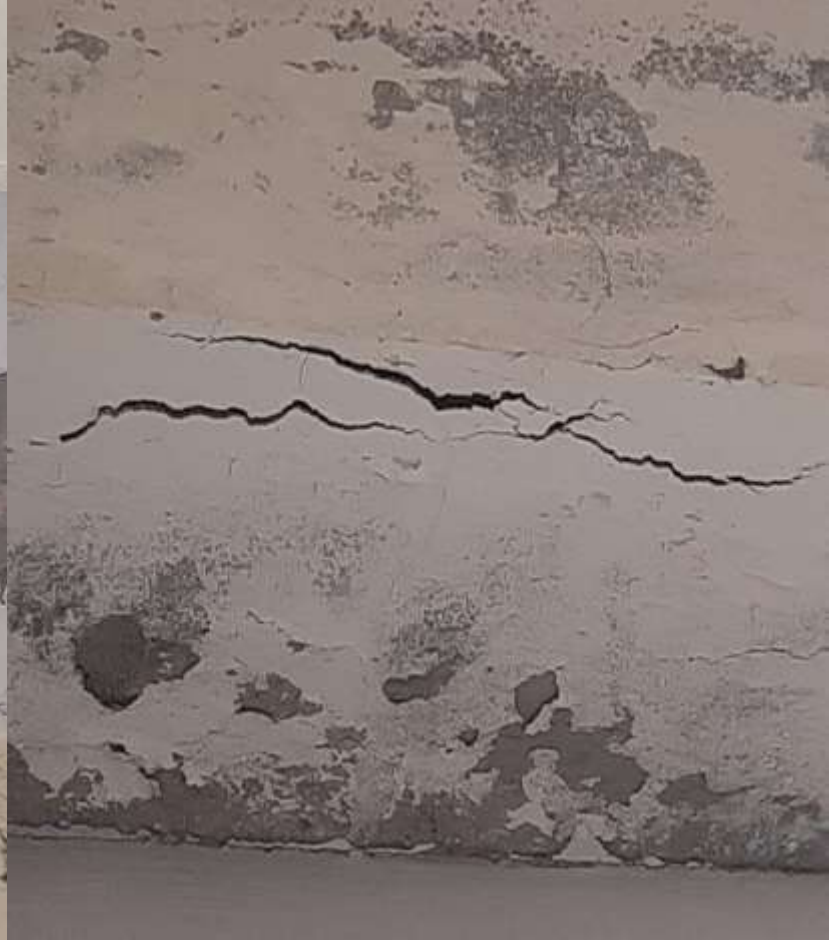
“ #*Entrapped Dampness* more than 3 months is like a Cancer for RCC, as, it corrodes the steel of RCC. On corrosion , steel expands & disintegrates the RCC thus, reducing its life span from 100 years in 1980 to 50-40... to even 5 years now.”

FACT:

The entrapped moisture referred above, between the RCC. Slab and tiles, supplies continuous moisture 24/7/365 to the adjacent RCC. members.

These gradually absorb moisture and provide an ideal condition for rusting of steel of RCC. members. The steel on OXIDISING/rusting –expands many times its volume and leads to development of extreme internal stresses which lead to rejection of concrete cover of RCC. This leads to an overall corrosion and eventual spalling /rejection of concrete cover of RCC. at large number of places.

This phenomenon reduces the AUL [ACTUAL USABLE LIFE] of structures.







SOURCES of DAMPNESS:

- 1. WET SUNKEN SLABS*
- 2. WET ROOFS (Failed Waterproofing)*
- 3. RISING DAMPNESS (DPC failures /
Plastering of PLINTH BEAMS)*
- 4. Seepage from Sub – soil etc.*

REASON: “The #**Entrapped Dampness** is absorbed by the floor & RCC over the time and initiates capillary action. This, if unattended, leads to the onset of Corrosion of the Steel of RCC #**Entrapped Dampness** is a Critical aspect Neglected / Lack of Awareness & Solutions, in general all over. This is the main reason for all around Distress of RCC. **The entrapped moisture in the above, between the RCC Slab and PCC etc. Supplies continuous moisture 24x7x365 to the Slab & adjacent RCC Members.** These gradually absorb moisture and provide ideal conditions for rusting of steel of RCC Members. **This is accelerated by 100% carbon fiber wrapping / guniting etc.** The Steel on rusting – expands many times its volume and lead to development of extreme internal stresses which lead to rejection of concrete cover of RCC. This has led to an overall corrosion and eventual spalling / rejection of concrete cover of RCC all over.”

2. ROOFS: Leakages from Overflow of water tanks, rainwater

[Cracks development due to UPTHrust of #ENTRAPPED DAMPNESS]



High Moisture content 34% against 12-14%-A big concern

The #ENTRAPPED DAMPNESS is a CRITICAL aspect overlooked by the maintenance ground staff in general ALL OVER.

This is the MAIN reason for ALL AROUND DISTRESS of RCC.

This has become an EPIDEMIC and NO respite in sight.

The BIS and other engineering authorities, therefore, chose to reduce the

LIFE of structures from 100+ years in 1980's to 50 years now

We are now ready to help the nation to create an Enormous wealth by extending the LIFE of STRUCTURES upto 100 + years.



#ENTRAPPED WATER between RCC. roof and top tiles etc

TRANSMISSION:

ABSORPTION, DIFFUSION of ENTRAPPED DAMPNESS.

Corrosion onsets after 3 to 5 years continuous ENTRAPPED dampness.

Once corrosion onsets -the steel members expand and reject the concrete cover .

This creates cracks initially and these cracks create a constant supply of all needed for acceleration of corrosion process.

The cracks gradually expand and concrete cover starts disintegrating there by leading to EARLY distress.

IMPLICATION:

IMPACT of #ENTRAPPED dampness on

- LIFE of structures Further REDUCTION of LIFE further from 50 to 40,30,20....years
- Health of residents.

RISING DAMPNESS /DPC failures and other dampness leads to growth of MOULDS etc. and are reasons for :

- 40% ASTHMA inflammation
- Depression
- Sneezing

This needs a national awareness campaign.

SAVINGS

Nation/Clients will save

DIRECTLY: More than Rs.1000 Crore annually by adopting/

#Without Dismantling PROTOCOL :

WA-RET1996 - Waterproofing, Rehabilitation, Engineering & Technology REVOLUTION.

INDIRECTLY:

Crores of Rupees in next 15-20 Years

.....on account of # INCREASE of ACTUAL USABLE LIFE (AUL) of structures.

OBSERVATION

The author has been researching on the NON-STRUCTURAL cracks, their development/redevelopment, causes of development and the role of ENTRAPPED MOISTURE and with specific reference to:

1. **SUNKEN SLABS** : Leakages from traps, joints and cracks of sewerage CI /plastic pipes & water pipes ,fittings, flooring /wall tiles.



ICICI BANK- NBCC PLACE opposite SAI MANDIR, Lodhi road, New Delhi.

A 10 years problem solved for LIFE(TEN years)a double (-2 Level) BASEMENT leaking for 10+ years and attempted by many agencies, now WATERPROOFED, REHABILITATED and #ENTRAPPED DAMPNESS MANAGEMENT done .Time :20DaysProducts:DR.MIRACLE grouts and rehabilitation aids Methodology: 3 stage injection (Patent process IP) grouting protocol.

Guarantee:20years

A #WARET1996

W:Waterproofing,

A:Augmentation of Strength,

R:rehabilitation,

E:#Entrapped DAMPNESS/ ENGINEERING T:TECHNOLOGY researched and applied in niche market....since 1996 successfully.

WATERPROOFING & REHABILITATION OF BASEMENT



PCC GOLA



4. RISING DAMPNESS:

[A] DPC/PLINTH FAILURE: HARI-WON effect



[B] COLUMNS/WALL/floor of BASEMENTS.: Leakages from.....

HARI-BASEC effect



DMRC

CASE STUDIES

LAUNCHING SHAFT NO. 1 Vikas Puri, New Delhi (2019)
Challenge

Year 2019: Restoration of LAUNCHING SHAFT No.1,Vikaspuri,New Delhi ,DMRC.
Challenge: Burst of sump at (-18 M) with daily discharge of & gt;600 CUM water.
The concrete elements Raft at sump washed away and no reinforcement. The contractor struggled unsuccessfully for 2 years.

Done by TEAM AAYKA in 34 days using DR.MIRACLE systems.

BEFORE



AFTER



DMRC

CASE STUDIES

HAJRAT NIZAMUDDIN METRO STATION, New Delhi
Challenge

Year 2018: DMRC. HAZRAT NIZAMUDDIN METRO STATION- BLANKET AUGMENTATION /waterproofing of 1400Sq.m.400-1200mm thick M40 RCC. 'D'WALL of metro station. 25 odd agencies struggled unsuccessfully for 2 years. Done by TEAM AAYKA in 14 days using DR. MIRACLE systems. Challenge: Thousands of pinhole leakages, which could not be PU /Others .

BEFORE



AFTER



SOLUTIONS

A National awareness on #ENTRAPPED DAMPNESS & acceptance of this as an EPIDEMIC of building.

Setting a PLAN/task force for attaining a time bound NO-DAMPNESS STATUS .

A LAW on ANTI-DAMPNESS is the only solution, where the dampness creator should be penalized

SOLUTIONS

MOTIVATION/NEGATIVE MOTIVATION for creating DRY/DAMP structures.

A LAW on ANTI-DAMPNESS is the only solution, where the dampness creator should be penalized



INSERTION of ANTICORROSSIVE CEMENTICIOUS GROUTS by INJECTION GROUTING & replacement of #ENTRAPPED WATER with LOW DENSITY GROUTS for better insulation and removing #ENTRAPPED



SOLUTIONS

WATERPROOFING AFTER DESIGN CORRECTION.



Chocked Pipe

The main reason for Leakages



Cleared



Box Gratings

NEVER BLOCKAGE guarantee,
even if not cleaned

SOLUTIONS

AQUAVENTS-moisture release systems

protocol for damp walls & roofs



Wall Models of
AQUAVENTS-moisture release systems





THE ROOT CAUSE of DAMPNESS:

With respect to **FAILED** waterproofing/plumbing

1. NO ACCOUNTABILITY of builders , contractors, engineers....
2. No SIGNIFANCE of GUARANTEE BONDS of performance...
3. Unhealthy competition [**upto -40%** under quoted tenders]
4. No STANDARDISATION of DETAILING/SPECIFICATIONS.
5. No MOTIVATION or NEGATIVE MOTIVATION

SAVINGS By WARET1996

- 1. COST : >50%**
- 2. TIME : >90%**
- 3. INCONVENIENCE to USERS : MINIMAL**
- 4. PRO GREEN ,as, negligible DUST , SOUND POLLUTION & debris**
- 5. WORKABILITY in MONSOONS**
- 6. GUARANTEE , as, we are working on already stabilized CRACKS.**

NEED OF THE HOUR : POLICY FROM GOVERNMENT

1. WaterProofing /Performance **GUARANTEES** implementation in Letter & Spirit.
2. **Licensing of Plumbing & waterproofing contractors** by IBC after approval by government of a **MANDATORY** requirement of working by Licensed persons only.
3. Issue of only **PROVISIONAL completion certificate** on completion of a building and **FINAL** completion certificate only after achievement of successful **3 years NO DISTRESS & ZERO DAMPNESS STATUS**.

This shall create a seriousness in construction standards - plumbing , waterproofing etc.

CONCLUSION:

ERADICATION of DAMPNESS by

*CREATING AWARENESS of #WITHOUT DISMANTLING PROCEDURE OPTIONS available now.

*CREATING a national consensus on A LAW on ANTI-DAMPNESS

[An Online PETITION already created]

*CREATING a POLICY on WATERPROOFING & REHABILITATION.

This exercise can create an enormous wealth [on principle of ELCTRICITY SAVED –ELECTRICITY PRODUCED]
for the NATION in next 10 years

.....creating A SELF SUFFICIENT BHARAT.



INDIAN BUILDINGS CONGRESS

#ENTRAPPED DAMPNESS - The CANCER of RCC structures: Its causes, impacts & Management -to INCREASE their AUL (ACTUAL USABLE LIFE)

Sl. NO	ACTIVITY	SPEAKER	DESIGNATION
1.	Inaugural & Welcome Address	Shri Pradeep Mittal	President, IBC
2.	Blessings By	Shri O.P Goel	Founder President, IBC & Former, DG, CPWD
3.	Importance of Water Proofing	Mr. Anant Kumar	SDG, CPWD
4.	Technical Talk	Ajaya Kumar Harit	Waterproofing rehabilitation Engineering Scientist
5.	Vote of Thanks	Sh. H.P. Gupta	Honorary Secretary, IBC

PATENT




सत्यमेव जयते
भारत सरकार
GOVERNMENT OF INDIA
पेटेंट कार्यालय
THE PATENT OFFICE

ORIGINAL
No. 75575

CERTIFICATE OF REGISTRATION OF DESIGN

Design No.	289422
Date	19/12/2016 15:41:16
Reciprocity Date*	00:00:00
Country	

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 25-99 in respect of the application of such design to **WATER PROOFING FIXTURE** in the name of **AJAY KUMAR HARIT B-63, 2ND FLOOR, PLATINUM DELUXE-1, FIBER ARDEE CITY, GURGAON-122002, HARYANA**

in pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.



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*The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. **TRADE MARKS INDICATIONS**
This Certificate is not for use in legal proceedings or for obtaining registration abroad

SATENDER KUMAR,
BALAJI IP PRACTICE E-617, STREET NO. 11 AND
12, WEST VINOD NAGAR, DELHI-110092

Date of Issue 22/05/2019 16:31:38
NF

Dated : 25/06/2018

1. Registration Number : **L-76212/2018**
 2. Name, address and nationality of the applicant : MR. AJAYA KUMAR HARIT , B-63, 2ND FLOOR, ARDEE CITY,
SECTOR-52, GURGAON-122011
INDIAN
 3. Nature of the applicant's interest in the copyright of the work : AUTHOR
 4. Class and description of the work : LITERARY/ DRAMATIC WORK
 5. Title of the work : AQUAVENT
 6. Language of the work : ENGLISH
 7. Name, address and nationality of the author and if the author is deceased, date of his decease : MR. AJAYA KUMAR HARIT , B-63, 2ND FLOOR, ARDEE CITY,
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 16. Remarks, if any :
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Date of Application : 03/05/2018
Date of Receipt : 03/05/2018



INDIAN BUILDINGS CONGRESS

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Email: info@ibc.org.in ; indianbldgscongress@gmail.com ; Website: www.ibc.org.in

Certificate of Recognition

Shri Ajaya Kumar Harit

*Delivered Technical Lecture / Presentation in the Webinar on topic
“The CANCER of RCC Structures : its causes, impacts & Management to increase
their AUL (ACTUAL USABLE LIFE)”
held on Virtual Platform by Indian Buildings Congress
on 16th December, 2020*


Pradeep Mittal
President


H.P. Gupta
Honorary Secretary



UDYAM REGISTRATION CERTIFICATE



TYPE OF ENTERPRISE	MICRO	SERVICES																				
UDYAM REGISTRATION NUMBER	UDYAM-HR-05-0007813																					
NAME OF ENTERPRISE	M/S AAYKA WATERPROOFERS PRIVATE LIMITED																					
SOCIAL CATEGORY OF ENTREPRENEUR	General																					
NAME OF UNITS	<table border="1"> <thead> <tr> <th>SNo.</th> <th colspan="3">Units Name</th> </tr> </thead> <tbody> <tr> <td>1</td> <td colspan="3">M/S AAYKA WATERPROOFERS PRIVATE LIMITED</td> </tr> </tbody> </table>		SNo.	Units Name			1	M/S AAYKA WATERPROOFERS PRIVATE LIMITED														
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OFFICIAL ADDRESS OF ENTERPRISE	<table border="1"> <thead> <tr> <th>Flat/Door/Block No.</th> <th>B-63, 2nd FLOOR</th> <th>Name of Premises/ Building</th> <th>ARDEE CITY</th> </tr> </thead> <tbody> <tr> <td>Village/Town</td> <td>=</td> <td>Block</td> <td>SECTOR 52</td> </tr> <tr> <td>Road/Street/Lane</td> <td>=</td> <td>City</td> <td>GERUGRAM</td> </tr> <tr> <td>State</td> <td>HARYANA</td> <td>District</td> <td>GERUGRAM, Pin 122002</td> </tr> <tr> <td>Mobile</td> <td>9810285342</td> <td>Email:</td> <td>aaykapolymer@yahoo.in</td> </tr> </tbody> </table>		Flat/Door/Block No.	B-63, 2nd FLOOR	Name of Premises/ Building	ARDEE CITY	Village/Town	=	Block	SECTOR 52	Road/Street/Lane	=	City	GERUGRAM	State	HARYANA	District	GERUGRAM, Pin 122002	Mobile	9810285342	Email:	aaykapolymer@yahoo.in
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Road/Street/Lane	=	City	GERUGRAM																			
State	HARYANA	District	GERUGRAM, Pin 122002																			
Mobile	9810285342	Email:	aaykapolymer@yahoo.in																			
DATE OF INCORPORATION / REGISTRATION OF ENTERPRISE	27/10/2020																					
DATE OF COMMENCEMENT OF PRODUCTION/BUSINESS																						
NATIONAL INDUSTRY CLASSIFICATION CODE(S)	<table border="1"> <thead> <tr> <th>SNo.</th> <th>NIC 2 Digit</th> <th>NIC 4 Digit</th> <th>NIC 5 Digit</th> <th>Activity</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>81 - Services to buildings and landscape activities</td> <td>8130 - Landscape care and maintenance service activities</td> <td>81300 - Landscape care and maintenance service activities</td> <td>Services</td> </tr> </tbody> </table>		SNo.	NIC 2 Digit	NIC 4 Digit	NIC 5 Digit	Activity	1	81 - Services to buildings and landscape activities	8130 - Landscape care and maintenance service activities	81300 - Landscape care and maintenance service activities	Services										
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1	81 - Services to buildings and landscape activities	8130 - Landscape care and maintenance service activities	81300 - Landscape care and maintenance service activities	Services																		
DATE OF UDYAM REGISTRATION	05/12/2020																					

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1. DIC GURGAON
2. MSME-DI KARNAL

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Certificate of Registration

AAYKA WATERPROOFERS PRIVATE LIMITED

B-63, 2nd FLOOR, ARDEE CITY, SECTOR-52, GURUGRAM-122002, HARYANA, INDIA

has been assessed and Certified by Otabu Certification Pvt. Ltd.
as meeting the requirements of:

ISO 9001:2015

Quality Management System

For the following scope of activities:

**SALES & SERVICES OF WATERPROOFING, RETROFITTING & REHABILITATION OF
BUILDINGS WITHOUT DISMANTLING**

Issue No : 01
Date of Certification: 04 December 2020
1st Surveillance Due: 03 December 2021

Revision No () : NA
2nd Surveillance Due: 03 December 2022
Certificate Expiry : 03 December 2023
(subject to the company maintaining its system to the required standard)

Certificate No:- 1204Q90320

To Verify this Certificate please visit at www.otabucert.com




Dr. Anita Gupta
(Managing Director)

*Validity of the certificate is subject to successful completion of surveillance audit on or before due date (In case surveillance audit is not allowed to be conducted, this certificate shall be suspended/withdrawal). *This Certificate of Registration remains the Property of Otabu Certification Pvt. Ltd. and shall be returned immediately upon request.

Otabu Certification Pvt. Ltd., RZ-9 (Ground Floor), Prem Nagar, Uttam Nagar, New Delhi-110058 (India)

Email:- info@otabucert.com website:-www.otabucert.com

Headquarter
National Security Guard
Near IGI Terminal No -01
Mehram Nagar
New Delhi -110047

1.39008/Engg/21-22/ 172

16 Feb 2022

PERFORMANCE REPORT

1. It is certified that AAYKA WATERPROOFERS PVT LTD have successfully completed a work of Waterproofing of a leaking underground shooting range at NSG, as a manufacturer for Mrs RAJ KUMAR SINGLA A-277, Meera Bagh Paschim Vihar New Delhi 110087, using their products DR. MIRACLE GROUTS etc. The performance is satisfactory till date as no LEAKAGE/SEEPAGE is observed during the 1 (one) year. Their understanding of problems solutions and professional conduct are good.



(Kamal Kumar)
Sqn Cdr (Engg)
HQ NSG



JAI JAI RAM SINGH INFRASTRUTURE PVT. LTD.

TO WHOMSOEVER IT MAY CONCERN

It is certified that M/S AAYKA WATERPROOFERS PVT LTD has executed the waterproofing work as WORK ORDER NO. JRSIPL/IIT-DELHI/2021/04/02. DATED: 07.04.2021 for construction of PEB/ light gauge steel structure over existing building at IIT Delhi campus.

USING MATERIAL

1. DR. MIRACLE WAC IMPREGRATION
2. AQUA COAT POLYMERS BITUMEN EMULSION
3. AQUA CRAFT PAPER.

The work has been done using their PATENTED products {Awarded} & Patented {submitted}.

The performance of the above works done is satisfactory, as. no leakage/ seepage till date.

This certificate is issued on request & without any financial obligation and does not absolve the firm of their committed obligations.

For JAI JAI RAM SINGH INFRASTRUCTURE PVT. LTD.

Authorized Signatory.

Dated: 25.01.2022

Tel. : 011-22754562

CIN: U74899 DL 1995 GOI 068150

Fax : 011-22754657



दिल्ली मेट्रो रेल कॉर्पोरेशन लि०
DELHI METRO RAIL CORPORATION LTD.

(A JOINT VENTURE OF GOVERNMENT OF INDIA AND GOVT. OF DELHI)

Office of the Chief Project Manager-8/Line-7
Ground Floor, Mayur Vihar Phase-I Metro Station, Delhi-110091
Dated: 26.06/2018

COMPLETION CERTIFICATE

Name of Work	RETROFITTING of track side Diaphragm wall grid 13-14 Downline, Hazrat Nizamuddin Station, New Delhi
Name of Contractor	M. AAYKA POLYMERS
Agreement/LOA No	LOA No. DMRC/CPM-8/CC-24/R&CW/PO/18/2586 dt 26.06.2018
Date of Commencement	26.06.2018
Date of Completion (Stipulated)	25.07.2018
Date of Completion (Actual)	25.07.2018
Contract Amount (Original)	Rs.06,42,326.00

The above said work has been completed


(B N Chaturvedi)
(PM-1B)

OUR CLIENTELE



**Sunil
Traders**



OUR CLIENTELE



OUR CLIENTELE



दिल्ली मेट्रो रेल कॉर्पोरेशन लिमिटेड
DELHI METRO RAIL CORPORATION LTD.



हिन्दुस्तान

OUR CLIENTELE



Private sector Works

- Hindustan times- Birla house
- Bhartia house, delhi
- Humsub housing society
- Holiday inn
- Corporate hotels, delhi
- Scindia's
- SOS Villages
- Uniworld
- DLF
- Barapullah flyover, delhi
- BSNL
- Thapar house
- Mughal sheraton, AGRA.
- Shree cements Ltd.
- Siddhart continental
- IIT Housing society & others.

Government Sector Works

- **DMRC**
- **IIT Delhi**
- **IIT Jammu**
- **B.S.N.L / P.W.D.**
- **DRDO.**
- **Nuclear power corporation.**
- **Wadia institute of Him Geology**
- **THDC. (Tehri Hydro)**
- **Airport Authority of india**
- **VVIP Receptorium, palam Airport**
- **Jal sansthan**
- **ISRO / IIRS. / NHAI.**
- **IFFCO. / I.O.C.L.& Others.**

List of MES Projects

Waterproofing/ Retrofitting done during using without Dismantling Technology
During 1996-2019.

DELHI/ DELHI CANTT.

1. National defense college(roofs:1998-2000)
2. AIRFORCE
 - A) 1AFSR{TUKDI/PRECAST slabs ROOF:1999-2000}
 - B) SUBROTO PARK{ROOFS:1998-2000}
 - C) VVIP Receptorium {roof:2000}
3. 505 ABWS {retro: washing DG plant :2016}
4. Rainbow Mess {sunken slabs/ rising:2017}
5. LIFTPITS (Non RCC:2016-2019)
6. Overhead water reservoirs 100-500 KL
+ 110 other Roofs {1998-2019}
7. R&D Metcalfe house dome{1998}
8. Air force station, Jammu {bunker WP 2018-19}
9. ITRANA CANTT, Alwar,Rajasthan.{2017-18}
 - A) ML LINES OHT 450KL {Near total distress}
 - B) Military Hospital OHT {Near total distress}
 - C) SUNKEN SLABS
 - D) RISING DAMPNESS
- 10.TBRL, Chandigarh R&D(Bunkers:1999)

JOB REFERENCES



Serial No.	CLIENT	JOB DESCRIPTION
1	Axis Bank LTD.	Waterproofing at T3&T5 Terraces
2	DMRC	Retrofitting at track side diaphragm wall gr10-14 down line Hazrat Nizamuddin station.
3	Jai Jai Ram Singh	Construction of PEB/light gauge steel structure over buildings.
4	Chem. coatings	Waterproofing & anti termite treatment and light arrester to CISR building under 51 SAG at NSG
5	The Hindustan times LTD.	Waterproofing & Retrofitting of roofs/ terraces
6	Vishwakarma furniture	Waterproofing of Buildings.
7	SH. Tegbir singh	Waterproofing & rehabilitation of ramp
8	Shree Cement	Waterproofing at our new clinker grinding project.
9	Mr. Deepak Nirula	Waterproofing & Rehabilitation

JOB REFERENCES

Serial No.	CLIENT	JOB DESCRIPTION
10	Sir Ganga Ram Hospital	Waterproofing/retrofitting of brick walls
11	Mrityunjay Associates	Waterproofing work
12	RIC Projects PVT. LTD.	Waterproofing of roofs
13	Sunil Traders	Waterproofing work
14	Khanna Constructions	Waterproofing work at Sri Ganga Nagar
15	KS. CONTRACTOR	Waterproofing work at NSG Manesar
16	BSC Paints PVT. LTD.	Waterproofing Work at Tanishka Trading
17	M/S Karan Builders	Waterproofing of Resi & non Resi Building
18	ICICI Bank LTD.	Interior and furniture works

JOB REFERENCES

Serial No.	CLIENT	JOB DESCRIPTION
19	M/S Hari constructions.	RCC Structure of JP lines.
20	Bhawan Construction CO.	Augmentation & Waterproofing at DMRC
21	Mohd. Sajid	Rehabilitation of RCC Tank and roof slab of JWD
22	Mrs. Amal Allana	Waterproofing & Rehabilitation of Basement..
23	Connect fitting.	Waterproofing Work

IT'S for THE NATION.

With Best Wishes,

JAI BHARAT!

JAI HIND!

Ajaya Kumar Harit
ajayaharit10@gmail.com

waret1996.com

9810285342

The undersigned has researched successfully the #**Entrapped Dampness** and **early distress, rising dampness, tunnels issues** etc. and restored near **impossible** opportunities wrt. Waterproofing & Rehabilitation **which are good for last 25 years** and therefore, shall be glad to offer our expertise using patented & Copyrighted products and technologies, thus, creating cash surpluses for building extra infrastructure & creating
“AATM NIRBHAR BHARAT”

With Best Wishes,

*Ajaya Kumar Harit
Waterproofing & Rehabilitation Scientist,
AAYKA WATERPROOFERS PVT. LTD.*



WA-R-E-T 1996 WITHOUT DISMANTLING
(Waterproofing & Rehabilitation ENGINEERING technology) **ENGINEERING REVOLUTION**

E-mail : ajayaharit10@gmail.com
Mob. : 9810285342, 0124-4203145