



Present Inspection System For High-Rise And Public Building Projects

By

Prof: Dr. Aung Kyaw Myat

Chairman

High-Rise And Public Building Projects Committee

HPBC

4th July 2020



(Founded 2003 as CQHP)

High-Rise and Public Building Projects Committee

HPBC

(Under the Patronage of Ministry of Construction)

Yangon, Myanmar

Brief History



- The committee for Quality Control of High-Rise Building Construction Projects (CQHP) was formed by the State Peace and Development Council on 11st August 2003.
- Initially it was constituted with (9) expert members.
- Reforms and reorganizations took place throughout the years 2004, 2007, 2015 and 2016.
- It was restructured and formed as new organization on 2nd August 2019 by Ministry of Construction.
- According to restructuring, Committee has 33 members and led by external professional engineers and architects.
- In 2019 November, it was renamed as **High-Rise and Public Building Projects Committee** as **HPBC**.



Vision of HPBC

- To safeguard the lives and properties of the people and public infrastructures in Myanmar.
- To enhance the progress of Construction Industry Development (CID) in promoting the national economy of Myanmar.

Mission of HPBC

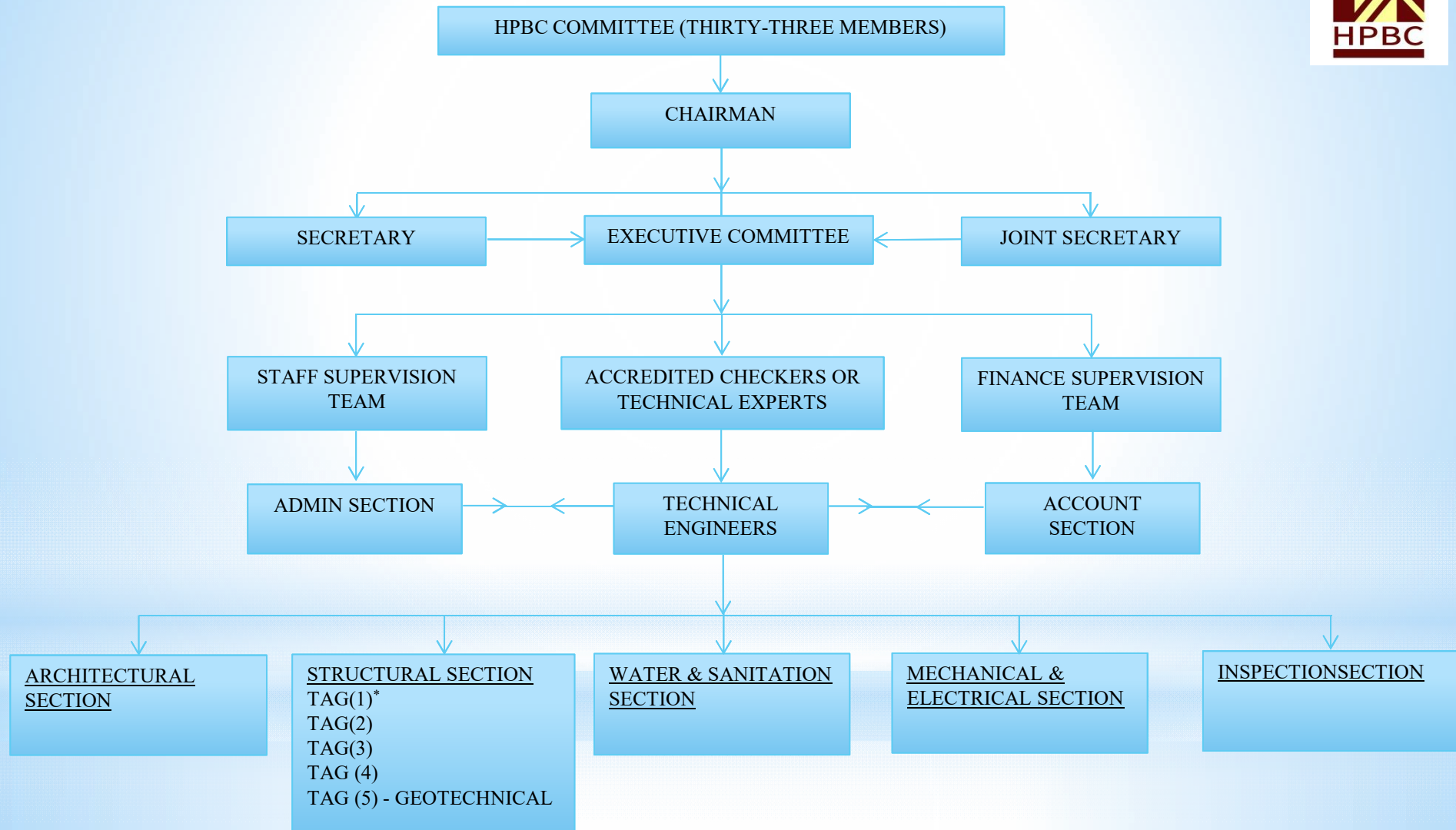
- To lay down the guidelines and code of practices for the high-rise and public building projects in the Republic of the Union of Myanmar.
- To specify guidelines for the quality control of the high-rise and public building projects that are bound to be observed by Architects, Structural Engineers, Geotechnical Engineers, M&E Engineers, Project Superintendents and Site Engineers.



Mission of HPBC (Continued)

- To access the design calculations such as: Architectural, Structural, Geotechnical, Mechanical and Electrical Appliances, Water Supply and Sanitation Works etc., of the proposed projects ensuring that these calculations strictly follow the guidelines and code of practices of HPBC.
- To pay visit to the construction sites and check whether they are implemented in accordance with design specifications and standards , HPBC's guidelines or not and give necessary advices on quality control and safety.
- To cooperate with all other relevant departments and organizations to achieve high ranking Construction Industry Development in Myanmar.

Organization Chart of HPBC



Chairmen of HPBC



Prof. Dr. Nyi Hla Nge	2003-2004
Engr. U Than Myint	2004-2015
Engr. U Khin Maung Tint	2015-2019
Prof. Dr. Aung Kyaw Myat	2019- Now

Members of HPBC



Expert Teams From External Field

Civil Engineers

(9 Nos)

- | | |
|-----------------------------|------------|
| 1. Prof. Dr. Aung Kyaw Myat | (Chairman) |
| 2. Dr. Thein Tan | (Member) |
| 3. U Khin Maung Sai | (Member) |
| 4. Dr. Khin Than Yu | (Member) |
| 5. U Kyi Lwin | (Member) |
| 6. U Myint Thein | (Member) |
| 7. Daw Mya Mya Win | (Member) |
| 8. U Win Naing | (Member) |
| 9. Daw Than Than Soe | (Member) |

Mechanical Engineers

(3 Nos)

- | | |
|--------------------|-------------|
| 1. Daw Mya Win | (Secretary) |
| 2. U Shwe Yu Kyaw | (Member) |
| 3. U Yin Htwe Thet | (Member) |



Expert Teams From External Field

Electrical Engineers

(1 Nos)

1. U Aye Win

(Joint Secretary)

Architects

(4 Nos)

1. U San Oo
2. U Maung Taw
3. U Aung Myint
4. U Ko Ko Naing

(Member)

(Member)

(Member)

(Member)

Expertise from Ministry of Education

1. Dr. Nilar Aye
2. Dr. Thinzar Khaing
3. Dr. Nyi Nyi Aung

(Member- Civil)

(Member- Civil)

(Member- Civil)



Expertise from Ministry of Construction

- | | |
|--------------------------|---------------------|
| 1. U Aye Ko | (Member-Civil) |
| 2. U Than Htike Aung | (Member-Civil) |
| 3. Daw Pyone Pyone Khine | (Member-Mechanical) |
| 4. U Myint Thein | (Member-Electrical) |
| 5. Daw L Nang Ing | (Member-Architect) |

Expertise from City Development Council

- | | |
|--------------------------|----------|
| 1. U Nay Win , YCDC | (Member) |
| 2. U Zaw Win , MCDC | (Member) |
| 3. U Thaung Tun, NCDC | (Member) |
| 4. U Zaw Tun , NCDC | (Member) |
| 5. U Saw Win Maung, YCDC | (Member) |
| 6. U Hla Myo, MCDC | (Member) |

Expertise From Fire Security Department

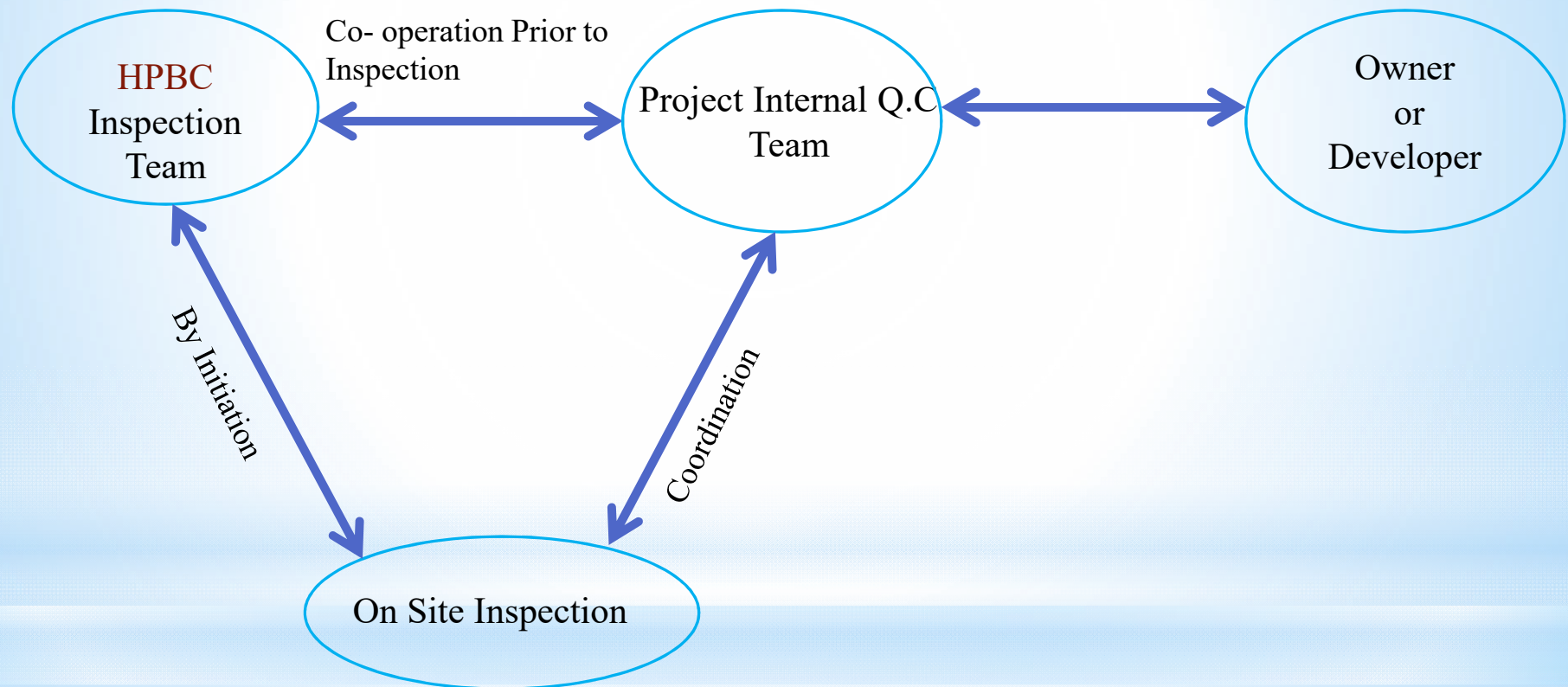
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|-------------------|----------|
| 1. U Thein Tun Oo | (Member) |
|-------------------|----------|

Responsibility of the Committee (HPBC)



- Laying down the Code of Practice, Code of Conduct and Guidelines of HPBC.
- Assessing the design calculations of the High-Rise Buildings submitted by the various projects according to the prescribed codes.
- Checking the plan and layout of Architectural Drawings, M&E and ACMV installations, Electrical system of the project, Water and Sanitation works of the project.
- Issue recommendation letters for the whole project to YCDC, MCDC upon requests.
- Issue recommendation letters to YCDC, MCDC etc., delivering permits for Pile Company, Tower Crane Company, Soil Lab Company.
- ***Regular Site Inspections of High-Rise Projects. (Quality Assurance Work)***

Recent Q.A Work Done By HPBC

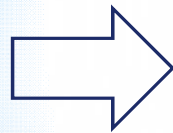


Monthly Site Inspection 2019 – 2020

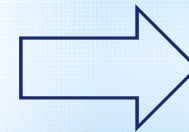


Period	Aug-Dec 2019	Period	Jan-Jun 2020
Project	22	Project	17
Site Inspection	52	Site Inspection	52

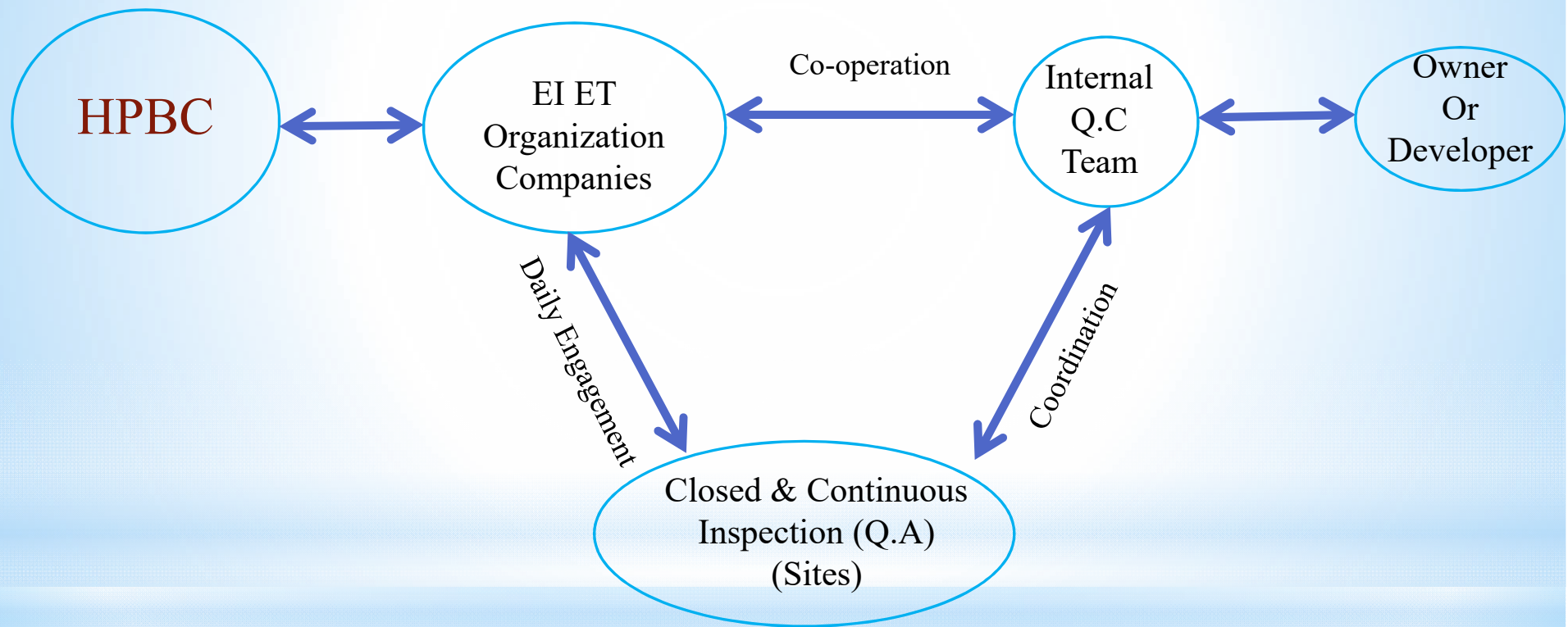
2019



2020



Present Inspection System Being Implemented



Note EIET : External Inspection Expert Team

HPBC : High-Rise And Public Building Projects Committee



HIGH-RISE AND PUBLIC BUILDING PROJECTS COMMITTEE



*This is to certify that the following organization/ company
is duly recognized as "External Inspection Expert Team"
assigned to do the Inspection Works of the High-Rise and Public
Buildings Construction Projects on behalf of HPBC*

Innovate Myanmar Forward

*Note: The Inspection works are to be done in accordance with
HPBC Manual and Guidelines*



01 APR 2020

YANGON, MYANMAR

Prof. Dr. Aung Kyaw Myat
Chairman
HPBC

Recognition of EIET



No	Company Name	CEO Name
1	APAVE MYANMAR Co.Ltd	Dr. Nyuyen Cong Phu
2	Ayer Hein Construction Co.Ltd	U Myat Khine Swe
3	BCPM Co.Ltd	Daw San San
4	Best Link Construction & Management	U Tin Myaing
5	Bo Minn Bo Co.Ltd	U Soe Win
6	Bureau Veritar (Thailand) Ltd	Mr. Lidomdej Kangtaveelert
7	Dynamic Engineering and General Trading Co.Ltd	U Nyein Aung
8	Great Creator Co.Ltd	U Soe Thein
9	Great Quality First Consulting Engineering Group Co.Ltd	U Than Naing
10	Innovate Myanmar Forward	U Bo Bo Kyaw
11	INTEG Services Co.Ltd	U Aung Phyto
12	KTS Construction & IT Services Co.Ltd	U Kyaw Thar Sein
13	Mandalay Strength Construction Co.Ltd	U Soe Hlaing
14	Matrix Power Engineering Co.Ltd	U Myo Lwin
15	Monsoon Engineering Myanmar Co.,Ltd	U Saw Than Oo
16	Myanmar United Engineering Group Co.Ltd	U Win Maung

Continued:

No	Company Name	CEO Name
17	New Pyae Sone Group Co.Ltd	U Pyae sone Hein
18	Perfect System Co.Ltd	U Pyae Sone Win
19	Surbana International consultants (Myanmar) Co.Ltd	Mr. Lee Leong Seng
20	Top Engineering Consultants	U Khin Maung Sai U Nay Soe Naing
21	TTW Structural Design, Inspection Group	Dr. Tin Tin Win
22	Tun And Tun Construction Co.Ltd	U Maung Maung Myint
23	United Win Engineering Co.Ltd	U Tin Maung Win
24	WAE Limited	Daw Su Su Hlaing
25	Zay Minn Co.Ltd	U Zayar Soe Min
26	ZEC Limited	U Zaw Myo Chit
27	MAA Consultants (Myanmar) Co.,Ltd	Mr. Richard Jen-Chuen Moh
28	K-Experts Limited	Mr. Kim Toe Woon
29	San Kyu and Associates Limited	U San Kyu
30	Hein Man Pyae Co.,Ltd	Daw Chaw Su Thein
31	Boston Co.,Ltd	U Aye Kyaw

Summary of Work Done by CQHP/HPBC



From 2003-2013

Registered Projects –	93 Nos
Completely Recommended by CQHP/HPBC -	86 Nos
Cancelled Projects -	4 Nos
Not Submitted Projects-	3 Nos

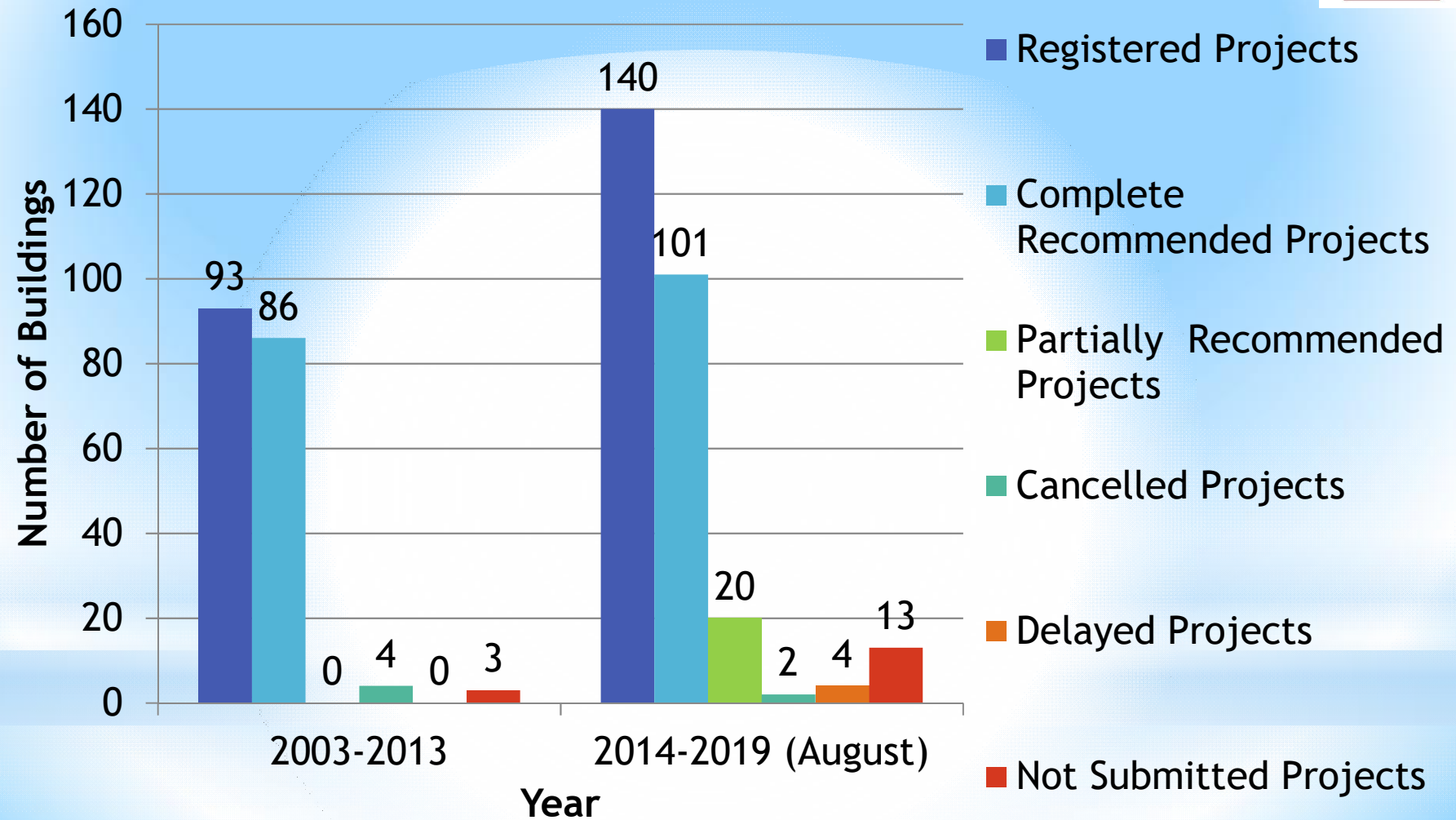
From 2014-2019 August

Registered Projects –	140 Nos
Completely Recommended by CQHP/HPBC-	101 Nos
Foundation Recommended by CQHP/HPBC-	2 Nos
Piling Recommended by CQHP/HPBC -	5 Nos
Pile Load Test Recommended by CQHP/HPBC -	13 Nos
Cancelled Projects –	2 Nos
Company Delay Projects-	4 Nos
Not Submitted Projects -	13 Nos

From 2019 August- Now

Registered Projects-	5 Numbers of Approve in Principal projects are submitted.
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Performance Indicator Chart of CQHP/HPBC





Discussion & Conclusion

- In every sector of Construction Industry, the Code of Practice, Code of Conduct, Manual and Guidelines are essential.
- It should be at least Standard Operating Procedure (S.O.P) are needed to implement the responsibility and accountability in a Construction Project to achieve the successful ones without Conflict of Interest (C.O.I).
- Guidelines for Bidding and Tendering procedure of a Construction Project has been adopted in 2012 and modifications has been made in 2016, issued by the President Office of Myanmar.

Discussion & Conclusion (Continued)



- In that procedure, avoiding processes for C.O.I are also included.
- Therefore all the stakeholders in Construction Industries must be followed and stuck to the above mention procedure to enhance the practical application of responsibility and accountability.
- Last but not the least, the most important fact in our Engineering Profession is the “**Ethic**”, therefore each and everyone of our engineers, technologists and technicians have to keep the respective ethics firmly for upgrading the status of responsibilities and accountabilities in Construction Industry.



THANK YOU