

BSPP has been retrofitting buildings!

Bangladesh, independent on 1971, is one of the young countries in the world. During its initial years, buildings were constructed under the first priority of economic impact. Then, of the weak concrete with more water, 40-50 years have been passed. Now, these building need to be repaired and to be strengthened in the urban structure in order to provide the safety and security for the social and economic fundamentals. BSPP, the technology transfer project, by using retrofitting technology, provides more building strength with the cooperation of repairing project, to lead the safety social fundamentals in Bangladesh.



In 2013, a tenant with garment factory was collapsed without any heavy rain or an earthquake. After this accident, PWD provided the technical support to garment factories to keep social fundamnet in Bangladesh. The export of the garment industry mainly supports the Bangladesh economy.

BSPP has conducted retrofit works for public and private buildings for strengthening vulnerable ones providing higher safety against disasters.



Khulna is one of the large cities in Bangladesh. PWD designer has a skill to design retrofitting. So, by using this technology effectively, the local cities in Bangladesh can have resilience against disasters. When the disaster occurs, the hospital can accept the disaster refugees affected.



Retrofitting Process

No	Items	comment
1	Building assessment	To estimate the retrofit work amount and necessity
2	Retrofitting plan	To make retrofit plan based on the result of building assessment
3	Retrofitting design	To make the detail design and cost estimation based on the retrofitting plan
4	Supervision	To supervise the retrofitting construction work

CNCRP, the former technical cooperation project between PWD and JICA prepared manuals on seismic evaluation, seismic retrofit design, construction supervision and seismic design for new building. As BSPP is succeeding CNCRP, you can download them through website, <https://www.bspp-bd.net/>



Sohel Rahman
Deputy Project Director of BSPP
sohelr86@yahoo.com
Fumio kaneko
Team leader of JET (JICA Expert Team)
kaneko@ovointer.com