

**Earthquake Reconstruction and Rehabilitation Project
Check List for Designs submitted for Evaluation to NESPAK**

Sr. No.	Description	Status
General (Valid for Both cases)		
1.	Signed Covering letter from sponsor / owner, addressed to General Manager NESPAK Earthquake Reconstruction & Rehabilitation Project with a copy for information to ERRA's Donors & Sponsorship Cell.	
2.	Registration Certificate of designer / consulting engineer with license No.	
3.	Project Brief	
4.	Site description report, including topography, slopes, ridges etc.	
5.	Soil investigation Report or basis for design values used.	
6.	Soft copy of Architectural & Structural Drawings (foundations, columns, beam floor slab, roof & joints), Analysis & Design with specifications of material used	
7.	Detailed drawings of Electrification with specification of material used	
8.	Detailed drawings of Plumbing System with specification of material used	
9.	Three hard copies of design documents duly signed both by the owner and the designer. (one copy will be returned back with comments)	
Case -1: Cast In Situ		
1.	Design Criteria including the following:	
a.	Codes and Standards	
b.	Design Loads, including Seismic Design Parameters	
c.	Material Strength and Properties (Modulus of elasticity, Poisson's ratio etc.)	
d.	Structural System	
e.	Software used, Preferably use any of the following software. 1. SAP 2000 2. E-Tab 3. STAAD Pro	
2.	Structural Analysis Report covering following:	
a.	At least 2D computer model frames in mutually orthogonal direction.	
b.	Soft copy of input files	
c.	Backup calculations used for input data	
d.	Design Stress Checks for all Structural members and displacement at key locations.	

Sr. No.	Description	Status
Case 2: Prefabricated Structures		
1.	Literature from supplier covering:	
a.	Technical and commercial aspects	
b.	Performance characteristics of joints and connections	
c.	Period since this structural system has been in use.	
d.	Precedents of the use of this structural system in other seismic areas of the World	
e.	Details of attachments of non structural elements with structural system.	

Note:

1. Time period for approval and/or comments, from NESPAK will be three weeks.
2. ERRA's present policy supports pre-fabricated construction and fast construction technologies only for temporary or transitional structures. Therefore, NESPAK shall undertake review of such structures if ERRA allows the same for particular activity.