

Building Professional Workshop on Low carbon Construction

Time	Session Details	Objective	Components	Format	Who	Training Aids
Day 1						
9:30 – 10:00 Registration and Tea						
10:00 – 10:30 a.m.	Welcome Address & Introduction	Setting the stage, laying out expectations,	– introducing the project and training and participants	Speech	Core Team	Presentation titled “Introduction”
Session 1 : Current Scenario						
10:30 – 11:00	The challenge	Orientation of participants towards climate change and building sector dynamics	<ul style="list-style-type: none"> – Understanding the connect between climate change and construction practices- – recognized climate threats in the region and disaster resistance of buildings – available materials and natural resources, existing design and planning guidelines, conventional building practice, 	Presentation	Resource Team	Chapter 1-3 in the background reading material, presentation titled “Session 1 PPT 1”
11:00 – 12:00	Carbon footprint	Introduction of concepts and assessment tools	<ul style="list-style-type: none"> – Embodied and Operational Energy, Associated emissions – Methodology to quantify ‘carbon footprint’ of building construction and how it is connected to design and planning – – Sample calculations in the given context, using Carbon tool 	Presentation (30’) Moderate discussion (30’)	Resource Team	Chapter 4 in the background reading material, presentation titled “Session 1 PPT 2”
12:00 – 12:20 pm Tea Break						
Session 2 : Strategy for Change						
12:20 – 1:20	Design Guidelines	Introduction to	– Passive design principles which are	Presentation (30’)	Resource Team	Chapter 5 in the

		principles and their application	applicable to buildings in the region – case study examples	Moderate discussion (30')		background reading material, presentation titled “Session 2 PPT 1”
1:20 – 2:20 p.m. Lunch Break						
2:20 – 2:40	Alternative building technologies	Introduction to principles and their application	– Alternative building technologies – based on sustainable use of natural resources, low embodied energy, disaster resistant, industrial wastes – suitable in the region	Presentation (20')	Resource Team	Chapter 6 in the background reading material, presentation titled “Session 2 PPT 2”
2:40-5:30	Site Visit Site Visit	Understanding application of principles	– Background – Itenary – Key features	Speech (10') Walk (160')	Resource Team	
5:30 – 6:00	Sharing	Experience sharing	– Site Visit Experience – LCCR strategies in action	Interaction	Participants	
Lunch onwards	Case Studies	Show case application of principles	– case studies of design and planning in the region to understand the approach followed, the design criteria considered – Traditional building practices in the region – their strengths and limitations, challenges in their application, potential for adaptation/ improvement – Contemporary buildings	Market place	Core Team	posters of case studies displayed
Day 2						
9:15 – 9:45	Case Studies	Show case	– case studies of design and planning in the region to understand the approach	Market place	Core Team	posters of case studies

		applicatio n of principles	<ul style="list-style-type: none"> followed, the design criteria considered – Traditional building practices in the region – their strengths and limitations, challenges in their application, potential for adaptation/ improvement – Contemporary buildings 			displayed
9:45 – 10:00	Recap & Agenda	Refresh & remember	<ul style="list-style-type: none"> – Summary of what was discussed the previous day – Agenda for the coming day and expectations 	Speech	Participant Core Team	
10:00 – 10:40	Policy linkages/ support	understan ding existing policies, programm es and schemes	<ul style="list-style-type: none"> – Policies / government programmes which can be used in favour of sustainable design and construction 	Presentati on (20') Moderate d Discussio n (20')	Resource Team	Chapter 7 in the background reading material, presentation “Session 2 PPT 3”
10:40-11:00 Tea Break						
11:00 – 11:10	Group Work	Applicatio n of learning	<ul style="list-style-type: none"> – Introduction of group work for next day – Group formation 	presentati on	Core Team	Group Work guidelines
11:10 – 4:00	Group work	Applicatio n of learning	<ul style="list-style-type: none"> – Introduction of exercises – Design and planning exercise for projects in the given geo-climatic context – Group Work – 5 groups will be made to apply low-carbon and climate compatible principles for three kinds of building projects – Group 1 – Design and planning of rural housing settlement , built-up area of house 200-400 sq.ft – Group 2 – Design and Planning of a model public building of built-up area in the range of 2000-3000 sq.ft 	Presentati on	Core Team	

			– Group 3 – Planning at the district level – Retrofit existing building			
1:30 – 2:40 Working Lunch						
4:00 – 5:00	Group work	Exchange of ideas	Presentation	presentati on	Participant s	
5:00 – 5:30	Valedictory	summary and way forward	Summary and Way Forward Feedback for the training programme Vote of thanks	Speech	Core Team	
5:30 onwards Tea						