HOSMAC
PERFECTING HEALTHCARE

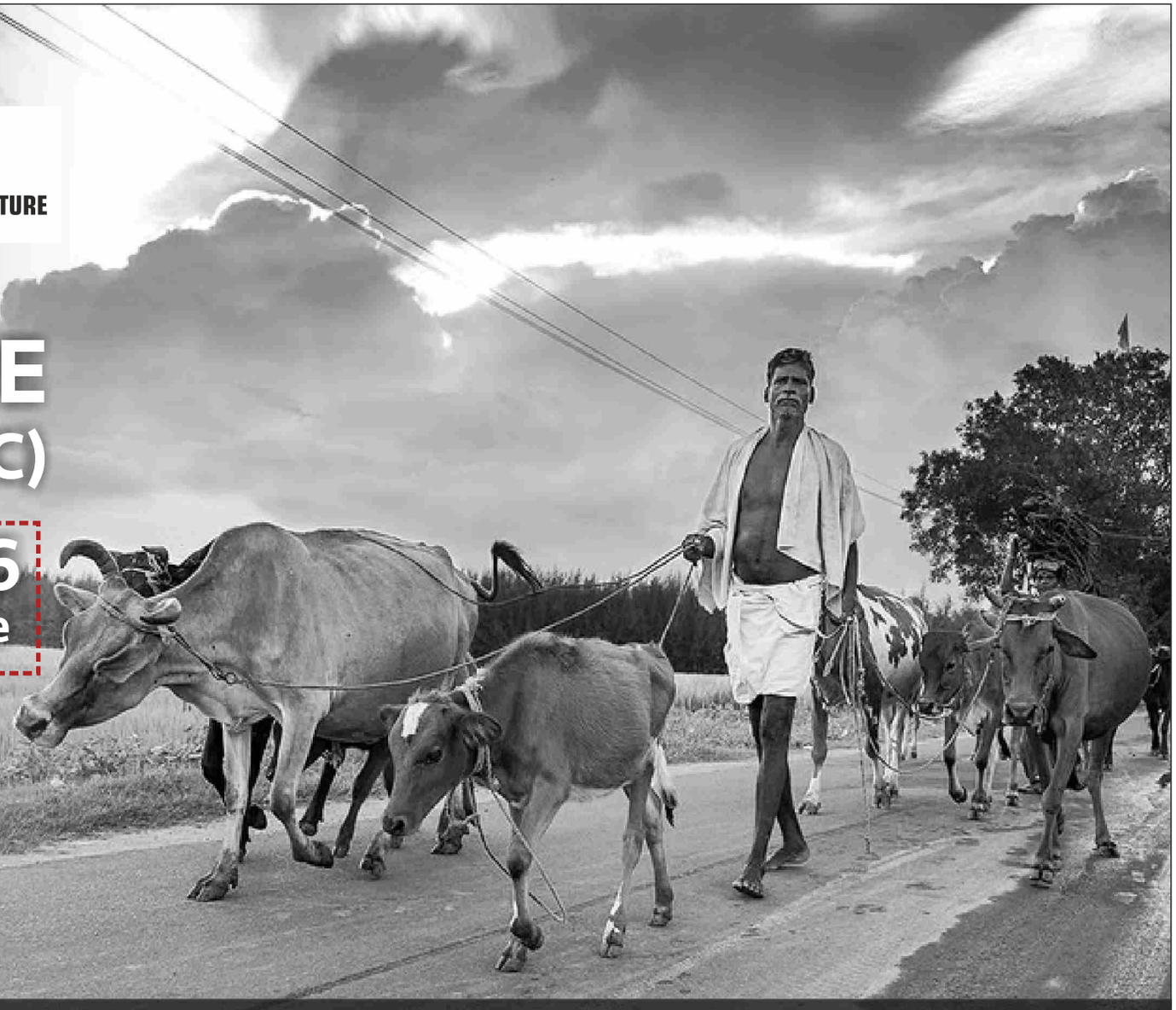
&

3rd Edition
HOSPITAL PLANNING & INFRASTRUCTURE
EXHIBITION & SUMMIT

presents

ARCHITECTURE COMPETITION (HHAC)

6-8 October 2016
Bombay Exhibition Centre
Mumbai



ORGANISED BY

HOSMAC
PERFECTING HEALTHCARE

www.hosmac.com

All India Student Competition for Designing a Community Healthcare Center (CHC) in Rural India

The Healthcare Architecture Competition (HAC 2016) for students all over India is a part of the Hospital Planning Infrastructure Summit, which is scheduled to take place from 6-8 October 2016 at Bombay Exhibition Centre, Goregaon (E), Mumbai.

ABOUT THE COMPETITION

Hospitals, clinics and nursing homes are often looked up as spaces of healing. These are places where we come to cure diseases and keep a check on health. Such spaces of sanitized environments are where the act of nurturing life becomes very crucial;

As doctors and architects we need to pay more attention to spaces of healing in hope of a healthier future;

What is necessary in healthcare facilities is to make a person feel nurtured & secured?

How can we use the narrative of health care and explore programs in hospitals, which get articulated, into architectural form, embedded into a rural context?

What is the meaning of a hospital and what is the broader role of Healthcare Design in today's rural India.

3rd Edition

HOSPITAL PLANNING & INFRASTRUCTURE

EXHIBITION & SUMMIT

POWERED BY

Greenlam Industries Limited

Hospital Planning Infrastructure (H.P.I.) is the most credible trade fair witnessed by the hospital industry with validated industry buyers, key budget holders, policy makers and investors in healthcare projects who visit the exhibition and represent the real power behind the hospital industry.

H.P.I. provides a platform to interact and witness the latest solutions to help our visitors in their quest in build a new and upgrad their existing facilities in India.

Hospital Planning & Infrastructure will showcase solutions, technologies and services for designing, planning and building healthcare infrastructure.

In 2015, it provided the perfect platform for the exhibitors to generate more than INR 130 crores of business revenue at the exhibition through winning orders, speeding up sales cycles and meeting new clients live at the show.

H.P.I. summit is the ideal place to network and learn from some of the best leaders in the industry. The three-day long conference is witnessed by major industry players and covers cutting edge topics that focus on healthcare design, sustainability and planning and infrastructure development.

The competition is instituted by HOSMAC as knowledge partner to the exhibition and conference. Hosmac is otherwise a pioneering name in Hospital Planning and Management Consultancy in India and the Middle East. Hosmac has designed more than 20 million sq.ft. of built hospital space in India and overseas and has a well established design studio in Mumbai and Dubai with full service capability of undertaking architectural, structural, MEP and interior design work in house apart from rendering construction management services to its clients. Lead planners in Hosmac have international exposure and are well versed with latest trends in design technology including Sustainability Planning, Pre Engineered Buildings and BIM Modeling.

Hosmac support the development of Community Healthcare Centers and instituting this competition is part of that belief wherein winning team members would be offered internship opportunity in their design studio in Mumbai or in Dubai.

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HEALTHCARE ARCHITECTURE COMPETITION 2016 CHALLENGE

- To help students of Architecture get an insight into Healthcare Design;
- To make healthcare facilities available and accessible at a grass root level;
- To propose systemic healthcare solutions for site specific rural contexts;
- To get insight into the functioning of the Community Health Centers (CHC) which were established with the objectives of minimizing the hardships of the rural people arising out of lack of specialized medical services in the nearby areas and their inability to have access to district and other rural hospitals which are already overcrowded.

SITE AND CONTEXT

- Understanding the role of architecture in Healthcare;
- Site should be able to accommodate a 30-bed CHC ;
- Minimum total area of the CHC should be 1000 Sq. M;
- Justification of selected site with an interpretation of the rural context must be explained through text / diagrams / drawings / pictures etc.

PROGRAM

- Delivery of healthcare services requires not only the medical specialists but also all the complementary facilities including medical equipment, space planning and other services;
- The absence and non-functionality of one or more of the complementary inputs affect the quality of services, which are vital for healing;
- Toilets, circulation spaces and open spaces should be judiciously designed which should comprise minimum of 200 Sq.M;
- Rainwater harvesting, solar power, biogas plant etc. can be integrated if required;
- Minimum built up area of CHC has to be 1000 Sq. M;
- The area statements have been provided only to get a sense of volume and overall footprint of the CHC for this competition;
- The spatial typologies of the mentioned programs can be critically redesigned to meet the contextual brief of the selected rural context;
- Students should rethink the way traditional hospitals work to find prolific planning and experiential alternatives;
- Students should creatively interpret the program to propose new ways of imagining and experiencing healthcare spaces;
- Students have a choice of adding an alternative program which can work in harmony with the existing program of the community healthcare center and help in enhancing the rural context;

- **The Rural Community Healthcare Center program can be broadly summarized as:**

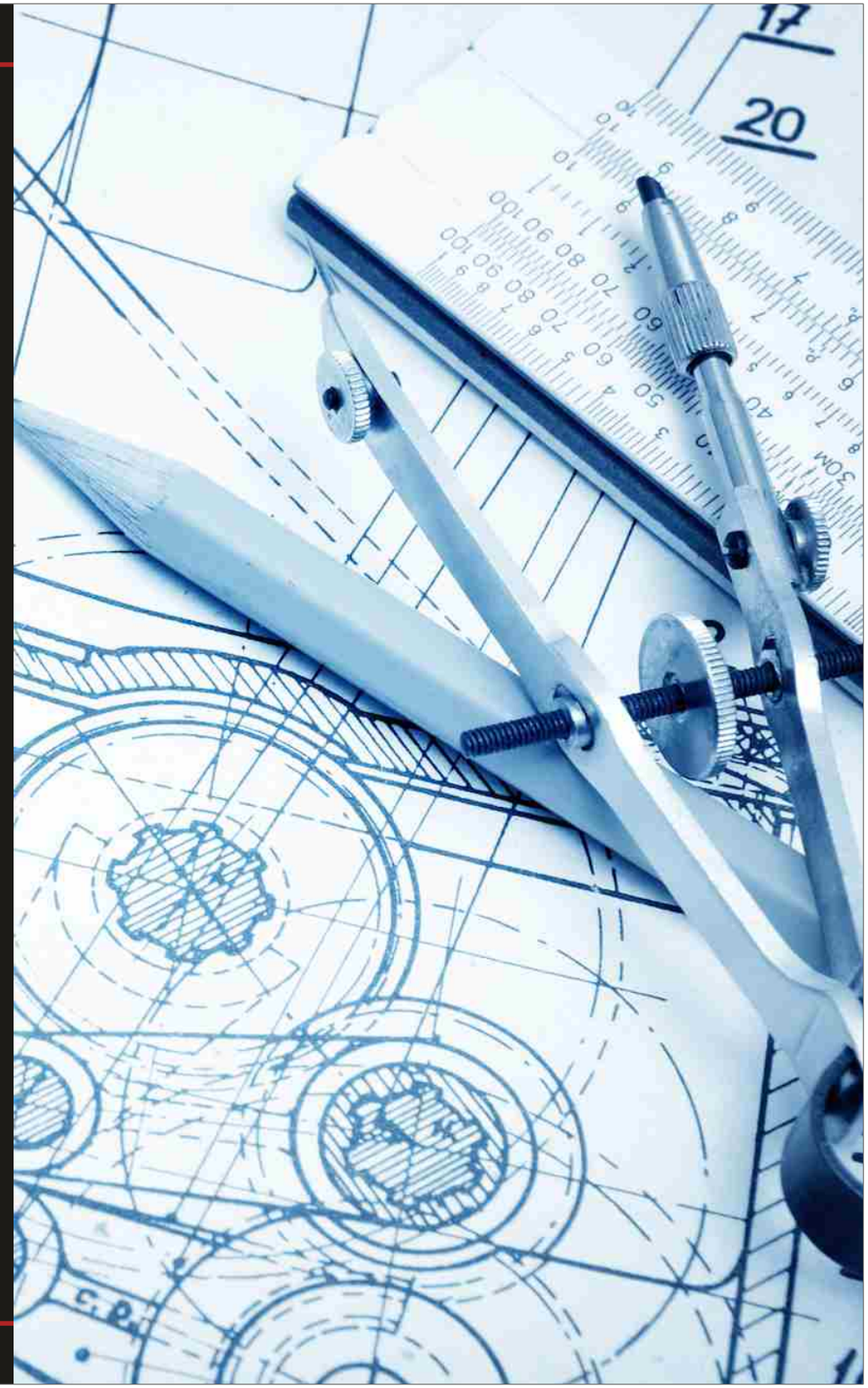
Sr No	Facility	No Rooms	Req Area Sq.m	Total Area Sq.m
	Public Amenity			
1	Entrance Hall (Inquiry/ Cash/ Record)	1	28	28
2	Waiting Area	1	50	50
3	Chemist and General Store	1	15	15
4	Cooking and Kitchen	1	22	22
5	General Library	1	40	40
	Patient Spaces			
1	15 Bed Wards	2	75	150
2	Operation Theater	2	40	80
3	Labor Room and New Born Care	1	21	21
4	ECG Room	1	10	10
5	Pharmacy	1	25	25
6	Consultation Room: General Medicine	1	14	14
7	Consultation Room: Surgical	1	14	14
8	Consultation Room: Gynecology	1	20	20
9	Consultation Room: Dental	1	20	20
10	Consultation Room: Eye	1	15	15
11	Consultation Room: Pediatrics	1	15	15
12	Nurse Station	2	11	22
13	Recovery Room	2	15	30
	Support Spaces			
1	Radiology (X -ray Room)	1	20	20
2	Ultrasound	1	12	12
3	Dark Room	1	7	7
4	Medical Equipment Technician	1	7	7
5	Blood Bank	1	10	10
6	Laboratory and Autoclave	1	30	30
7	Sample Collection Reception	1	25	25
8	Chief Medical Officer & Administration	1	25	25
	Services			
1	Washing, Cleaning and Autoclave	1	35	35
2	Sterile Storage	1	11	11
3	General Storage	2	15	30
4	Generator Room	1	10	10
5	Wet / Dry Waste	1	8	8
6	Infectious Waste Incinerator	1	14	14
	Total Area			**800**

DESIGN BRIEF

- Self sustainable and low maintenance design solution
- Robust building construction using local materials
- Cost effectiveness considering rural context
- Easy accessibility in terms of building design for all ages of people
- Sensitivity towards the built fabric of the rural context
- Strong connections to local surroundings
- Climate response
- Sustainable place-making from an economic, social & environmental perspective
- Outstanding and original design informed by contemporary ideas of rural India

SCHEDULE

- Start of competition and registration: 5th June 2016
- Registration ends: 20th July 2016
- Closing date for submission: 31st August 2016
- Announcement of winners: 1st October 2015
- All deadlines are 11:59 pm – 00:00 IST (India)



AWARDS

The Jury shall select 3 winning entries that will receive a cash prize and certificate from Hosmac.

1. **1st Prize: Rs 25,000/- + Certificate**
2. **2nd Prize: Rs 15,000/- + Certificate**
3. **3rd Prize: Rs 7,500/- + Certificate**

The Jury shall also select 2 Honorable Mentions.

All top 5 entries will be published on Hosmac's Website and Healthcare Executive Magazine powered by Hosmac.

Winning team members would be offered a paid internship opportunity in Hosmac's design studios in Mumbai or Dubai.

REGISTRATION

*Max four students per team

- Entrance fee for registration: Rs 1000/- (Per Team)
- Participants may register by filling the registration form and submitting it with the appropriate payment through a secured gateway on our website: www.hosmac.com
- Extend design brief will be mentioned on the hosmac website: www.hosmac.com

SUBMISSION OF ENTRY

- One A4 size ID document with college ID scans of maximum 4 participants. (Max 1MB)
- One A4 Size college documents with college letter head mentioning bonafied student's name and DOB (max 1MB)
- Incase team has students from multiple schools they should provide a letter from each participant's school
- Write up document of 500 words on A4 size paper describing site context, response, concept, design strategy, sustainability, economic aspects and energy conservation etc. (max 1MB)
- Two A1 size Design Panels landscape orientation, describing the project using any medium possible (max 15 MB)
- A unique identification code will be provided upon registration which should be mentioned on TOP RIGHT CORNER of all submitted pages / panels.
- Do not include your name or school name on write up document and Design Panels.
- Sketches, photographs, 2D drawings, 3D models, perspectives renderings, wall sections, diagrams, master plans can be used to meet the expectations of the design brief.
- Submission Format: A single folder named as your team code (HAC2016_001) containing the following files must be submitted via email to submission@hosmac.com within the deadline of 1st September 2016

ID_HAC2016_001.pdf
(Max 1 MB)

COLLEGE _HAC2016_001.pdf
(Max 1 MB)

WRITE UP_HAC2016_001.pdf
(Max 1 MB)

DESIGN _HAC2016_001.pdf
(Max 15 MB High Resolution)

ELIGIBILITY

- All current students of architecture (Bachelors / Masters) are eligible to register;
- All students who have passed out in the last one-year (since 2015) are also eligible to register;
- Participants can form a team of maximum four members;
- Submission package should not exceed 20 MB;
- Submission of Design Panels and Write-up document should not include the names of the participants / school anywhere;
- Participants will be disqualified if any of the competition rules or submission requirements is not considered;
- Participation assumes acceptance of regulations;
- Team code is the only means of identification of a team during judging as it is an anonymous student competition;
- Official language is English and measurement units are in Metrics;
- As the competition organizer, Hosmac reserves the right to modify competition schedule if deemed necessary;

CONTACT

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