

SOCIETY FOR DEVELOPMENT OF COMPOSITES Composites Technology Park



(An R&D Centre established with the Support of Dept. of S&T, BMTPC and HUDCO of Govt. of India and Dep of C&I, KHB and RGRHCL of Govt. of Karnataka)



New Age Concretes

LGS- Composite Partition Wall and LGS –Composite Load Bearing Wall



KVQA ISO 9001 Certified

(Fast Track Innovative Technology)



Member, Green Building Council

Dr. R. Gopalan VP & CEO





RV-TIFAC LGS-SCP Building System

(Shaping the future of Construction to Simpler, Faster, Better & Eco Green)

RV-TIFAC LGS-SCP Walls and Roof System is a Custom Designed, Pre- Engineered, Factory Made First of Its Kind Innovation Derived From Spin-off of Indian Aerospace Technology

> "Delighted to visit RV TIFAC Composites Design Centre. Design in Composite technology is Futuristic. It has to be developed and propagated. My Best Wishes" *Former President of India, Bharat Ratna Dr. APJ Abdul Kalam.*

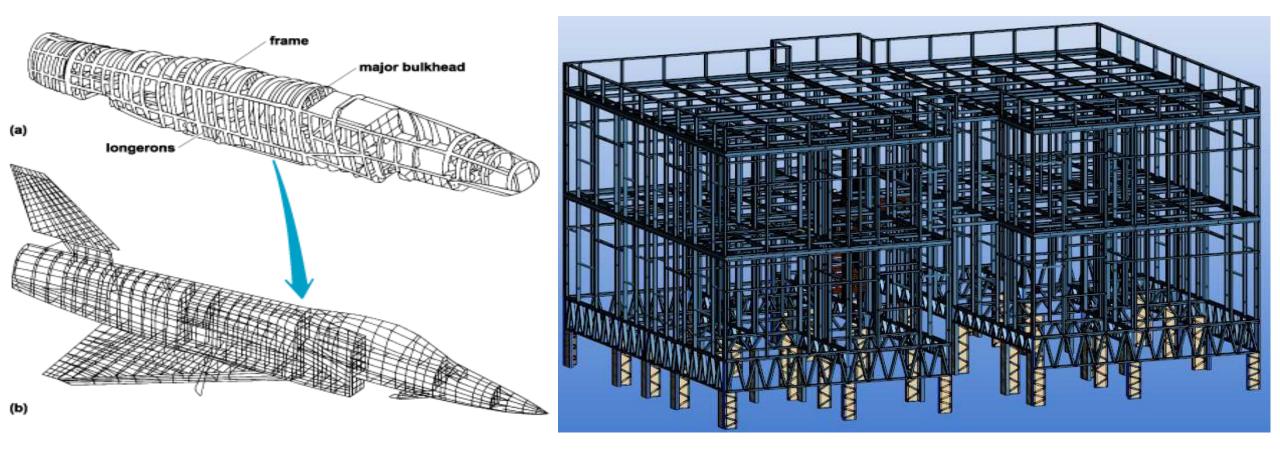
Go RV-Tifac EcoGreen and Be A Champion





T&B.mp4

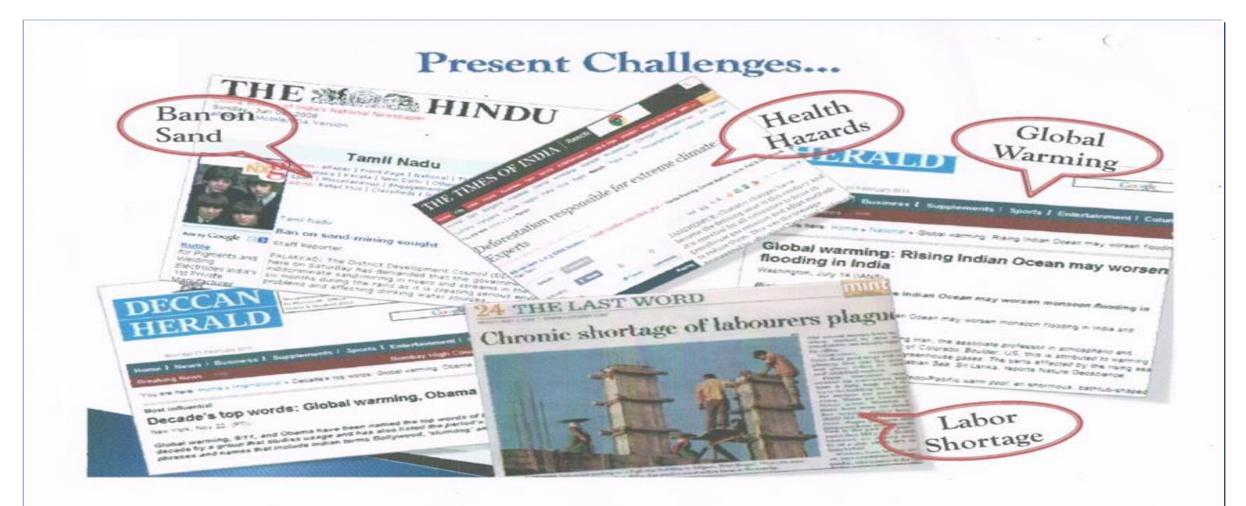
LGSFS Building Construction Technology is Analogous to Aircraft Technology



Air Frame Metal Structure of a Fighter Aircraft

Light Gauge Steel Frame Structure (LGSFS) for Foundation, Wall and Roof Slab of a G +1 Affordable House

Need for ECOFAST Building Systems and Fast Track Building Construction Technology



Take up R&D activities to develop alternatives to sand



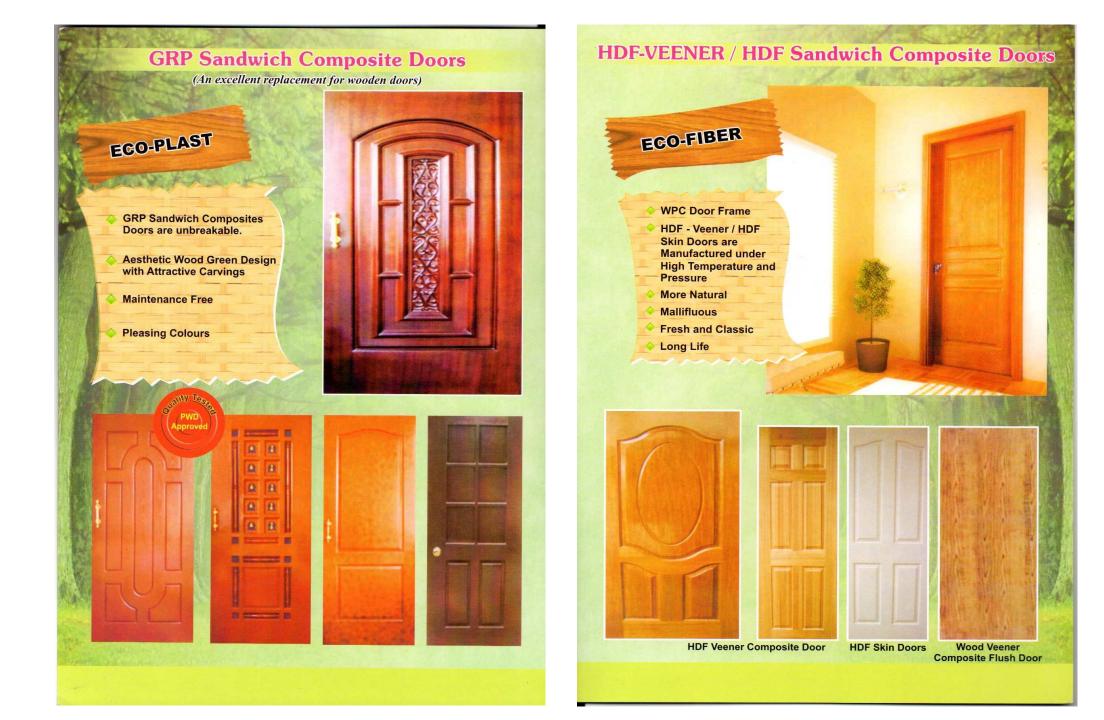
A sight of lorries waiting for their turn to fill up sand in a dry river bed in Tamil Nadu

water crisis hits construction sector in India



Delhi Air Pollution: Supreme Court Re-imposes Ban on Construction Activities







Society for Development of Composites (A Nat-for-Profit Registered R & D Society under the Karmataka Societies Registration Act 1969 - S.No.988/2000-01) Composites Technology Park No. 205, Bande Mutt, Kengeri Satellite Township, Bangalore - 560 060 2 : 6699 7605, 2848 2771. **GOI Approved Institut** Email: drgopalan2003@yahoo.com website: www.compositestechnologypark.com

Dr. R. Gopalan **Executive Director**

Eco-Friendly Composite Products and Eco-Fast buildings developed by RV-TIFAC -SDC, Composite Technology Park are introduced in the Schedule of Rates 2016-17, in the Karnataka PWD and IWTD, Bangalore Circle. The details are given below:

SI No	Page no	Description
9.93	59	Providing and fixing factory made single leaf rigid GRP Sandwich composite door shutter of 32mm thick Confirm to RV-TIFAC Standards of Specification
9.94	60	Providing and fixing factory made single leaf rigid GRP Sandwich composite door shutter of 40mm thick Confirm to RV-TIFAC Standards of Specification
9.95	60	Providing and fixing 65mm X 90mm GRP Doorframe fabricated using E-Glass Chopped Strand Mat (CSM) Confirm to RV-TIFAC Standards of Specification
9.96	60	Providing and fixing 65mm X 125mm GRP Doorframe fabricated using E-Glass Chopped Strand Mat (CSM) Confirm to RV-TIFAC Standards of Specification
9.97	61	Providing GRP unbreakable railings available in a wide range of attractive colors Confirm to RV-TIFAC Standards of Specification
9.107	62	Providing and fixing to the existing door frames, factory mad single leaf HDF Teak Veneer skin sandwich composite door shutte of 40mm thick Confirm to RV-TIFAC Standards of Specification
9.108	63	Providing and fixing to the existing door frames, factory mad- single leaf HDF skin sandwich composite door shutter of 32mn thick Confirm to RV-TIFAC Standards of Specification

Society for Development of Composites (A Nat-for-Profit Registered R & D Society under the Karnataka Societios -Registration Act 1968 - S.No. 959/2008-01) Composites Technology Park No. 205, Bande Mutt, Kengeri Satellite Township, Bangaloro - 560 060 2 : 6599 7605, 2848 2771. **GOI** Approved Institute Email: drgopalan2003@yahoo.com website: www.compositestechnologypark.com

Dr. R. Gopalan

Executive Director

9.109	63	Providing and fixing to the existing door frames, factory made single leaf HDF - Teak Veneer skin sandwich composite door shutter of 32mm thick Confirm to RV-TIFAC Standards of Specification			
9.110	63	Providing and fixing to the existing door frames, factory made single leaf HDF skin sandwich composite door of 32mm thick Confirm to RV-TIFAC Standards of Specification			
9.111	64	Providing and fixing to the existing door frames, factory made single leaf HDF skin sandwich composite door shutter of 32mm thick Confirm to RV-TIFAC Standards of Specification			
38.60	316	Light guage steel frame structure (LGSFS). Confirm to RV-TIFAC Standards of Specification			
38.61	317	Providing and fixing with internal and external cement fiber boards / coir composite boards to LGSFS dry wall panel system. Confirm to RV-TIFAC Standards of Specification			
38.62	317	Providing and fixing with EPS – Weldmesh – Cement –Sand shotcrete wall panels to LGSFS. Confirm to RV-TIFAC Standards of Specification			
38.63	317	Providing and fixing with EPS – Weldmesh – Cement –Sand roof/floor panels to LGSFS . Confirm to RV-TIFAC Standards of Specification			
38.64	318	Providing and fixing Engineer coir composite Flush Door Shutters of 30mm thick. Confirm to RV-TIFAC Standards of Specification			
38.65	318	Engineered wood plastic composite door frames with cross section of 55mm X 110mm Confirm to RV-TIFAC Standards of Specification			
38.66	318	Engineered wood plastic composite door frames with cross section of 75mm X 125mm Confirm to RV-TIFAC Standards of Specification			
38.67	319	Engineered wood plastic composite Window frames with cross section of 55mm X 110mm Confirm to RV-TIFAC Standards of Specification			

Promoted by Karnataka Housing Board and RV-TIFAC Composites Design Centre Supported by Dept. of C&I, RGRHCL of Govt. of Karnataka and DST, BMTPC & HUDCO of Govt. of India





GOI Approved Institute KVQA 1SO 9991 Certified Member, Green Building Council

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Promoted by Karnataka Housing Board and RV-TIFAC Composites Design Centre Supported by Dept. of C&I, RGRHCL of Govt, of Karnataka and DST, BMTPC & HUDCO of Govt, of India யி



morning Immunations by o-friendly Materials and Technology

GOI Approved Institute KVQA 150 9991 Cent/fed Member, Green Building Council



Part 1.mp4



LGSFS Infill Concrete Panel Demo Building at CTP for Full Scale Testing



CIVIL-AID TECHNOCUNIC Pvt. Ltd.

Accredited by NAELasper IS0:17025 for NDT, Geo-Technical, Material Testing and Chemical Testing

Report on

PERFORMANCE TESTS CONDUCTED ON NEW GENERATION HOUSE CONSTRUCTED BY USING FOAM CONCRETE WITH LIGHT GAUGE STEEL



NOVEMBER 2012

Report for

The Executive Director Society for Development of Composite Bandemutt, Kengeri Satellite Town Bangalore - 560 060

CTVTL-ATD TECHNOCLINIC Pvt. Ltd. (A Bureau Veritas Group Company) #1030, 13th Cross, Banashankari 2nd Stage, Bangalore - 560 070

Accredited by NABL as per IS0:17025 for NDT, Geo-Technical, Material Testing and Chemical Testing Various performance oriented tests on Foam Concrete with Light Gauge steel building constructed by Society for Development of Composites, Bangalore were carried out. They are:

- **1. Observation of housing unit.**
- Core Test.
- **3.** Load test on roof slab.
- 4. Rain simulation test on wall surface.
- **5.** Nailing test.
- 6. Ponding test on roof slab.
 - Door tests.
- 8. Acoustic comfort test.
- 9. Thermal comfort test.
- **10.** Fire resistance test.

The results of various performance oriented tests revealed that the tested housing unit performed satisfactorily and meets the requirements of common people.

> S. Sudarshan SUDARSHAN S IYENGAR SENIOR DIRECTOR (NDT, R & R)





The Principle Secretary to Government Department of Housing No.213, IInd Floor Vikasa Soudha Bangalore.

Sir,

To.

Sub: Use of eco-friendly products in building construction activities.

Ref: This office even no letter dated 22.04.2016 addressed to the Chief Secretary to Government, Bangalore.

Considering the most dangerous consequences of Climate Change/Global Warming which is threatening the extinction of Earths Species and survival of Mankind, the Task Force for Quality Assurance of Public Buildings, Govt. of Kamataka, has decided to act on urgent basis to Source laboratory proven, energy efficient, alternative building materials and construction technologies and introduce their application in the public buildings in Karnataka.

As a major initiative in this direction, coinciding on 21st March 2016, the World's Forest Day, the Task Force visited Composites Technology Park, on 22.03.2016 set up by GOK & GOI and managed by Society for Development of Composites, (SDC) a non-profitable registered Society under Karnataka Societies act at Kengeri Satellite Town, Bangalore, who are involved in R&D and Propagation of Eco-Friendly building materials and Eco-Fast building technologies

A detailed technical presentation was made by SDC on various composite door shutters and frames, and Fast Track Construction technology using Light Gauge Steel Frame Structure –Infill concrete panel technology. The Task Force committee visited the door manufacturing unit and inspected various raw materials, equipment & machinery including actual manufacturing process, inspection and QC and full scale testing of door shutters and frames. The committee also verified the test certificates and performance evaluation and user feed backs. The committee also verified the

In view of the said facts and to promote the use of eco-friendly products in building construction activities, a letter has already been submitted to the chief secretary to government vide letter dated 22.04.2016 cited at reference.

Under the above circumstances, the Task Force is sending here with details of various products along with technical details for kind information. It is requested that necessary instructions may please be issued to incorporate the above eco-friendly house building components in the estimates of future housing projects coming under your jurisdiction. If possible, it is requested that the eco-friendly products may please be used in the housing projects under progress also.

Thanking you,

Encl: 1. Comparative Statement 2. Extract of schedule of rates 3. Test reports 4. Product brochures

Yours sincerely. may (Prof.B.R.Srinivasmurthy) Chairman Task Force for Quality Assurance & Bangalore.

Approval of LGSFS – Infill Concrete Panel Technology by Task force, GOK



2 PC Quarters Constructed using LGSFS Infill Concrete Technology



police housing.mp4



Completed building ready for inauguration at Adugodi Police Quarters, Bangalore





निर्माण सामग्री एवं प्रीशोगिवनि संवर्द्धन परिषद् बाल्ल और गरमें गॉलि जनसपर पंजायर, पांच सावन Building Materials & Technology Promotion Council Reserved States & Versil Alexandre, Supervised of Inte

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RMRA

CERTIFICATION

In the opinion of Building Materials & Technology Promotion Council's Board of Agreement (BMEA), Light Gauge Steel Framed Structure with Intill Concrete Panel (LGSFS-ICP) Technology bearing the mark manufactured by Society for Development of Composites is setisfactory if used as set out above in the text of the Certificate. This Certificate PAC No.1028-S/2016 is awarded to Society for Development of Composites, Bangalury.

The period of validity of this Certificate is for two years i.e. from 12-04-2018 to 11-04-2018. This Certificate consists of pages 1 to 51.



A Sparsey Section, 2008
 Autors Description of Descriptions, Control of Descriptions, Control of Descriptions, Control of Description, 2009, 2019
 Energia, and Autors Section, 2019
 Energia, and Autors Section, 2019
 Energia, 2019, 2019

On behalf of BMTPC Board of Agreement, Chairman, Technical Assessment Committee (TAC) of (BMBA) Under Ministry of Housing and Urban Poverty ASeviation, Government of India

Place: New Delhi, India

Date:

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PATENT OFFICE INTELLECTUAL PROPERTY BUILDING G.S.T. Road, Guindy, Chennai-6000 32 TetNo. (091)(044) 22502081 84 Fax No. 044 22502066 E-mail : Chennai-patent@nic.in Web Site : www.ipindia.gov.in

Docket No: 3852



GOVERNMENT OF INDIA



PROPERTY INDIA ANTINTSIDESCASTRADE AMARS GEOGRAPHICAL INDICATIONS

Agent Number:

Date/Time : 02/14/2014

RAKESH PRABHU

ALMT LEGAL, ADVOCATES & SOLICITORS, #2, LAVELLE ROAD, BANGALORE - 560 001.

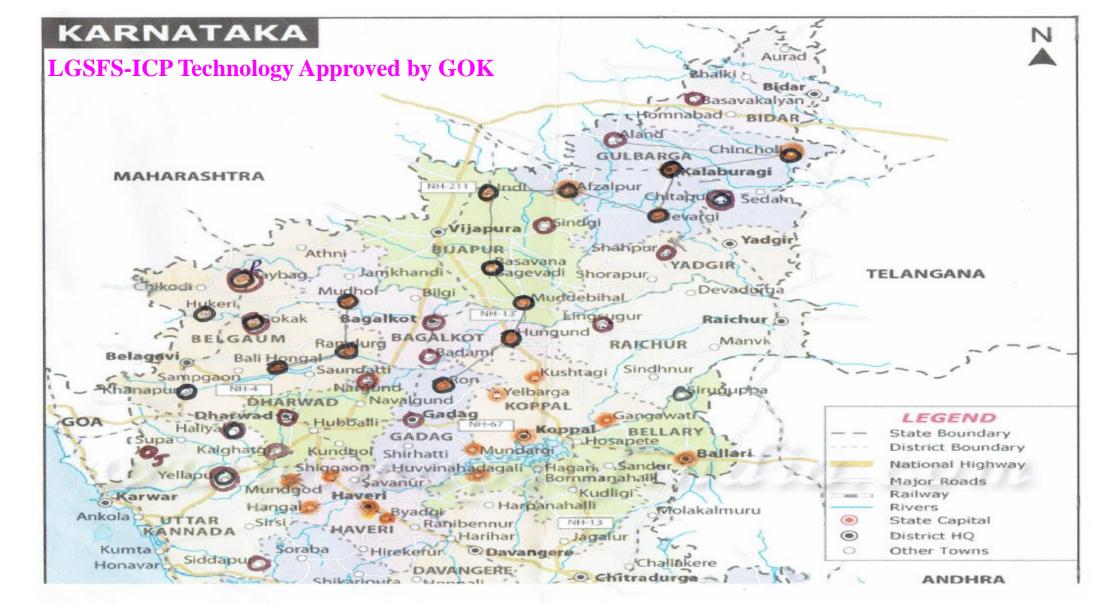
Serial Number	C.B.R. No	Application Number	Reference Number	Title Of Invention	Amount Paid
1	2350	ORDINARY	692/CHE/2014	ECOFAST BUILDING SYSTEMS AND METHOD OF FAST TRACK CONSTRUCTION OF LOW COST BUILDING	1000
2	-	E- 101/8236/2014- CHE	692/CHE/2014	Correspondence	0
3	-	E-2/1118/2014- CHE	692/CHE/2014	Form2	0
4	-	E-5/828/2014- CHE	692/CHE/2014	Form5	0
5	-	E-45/693/2014- CHE	692/CHE/2014	Form26	0

Received a sum of Rs. 1000 (Rupees One Thousand only) through

Payment Mode	Bank Name	Cheque/Draft Number	Cheque/Draft Date	Amount in Rs
Cheque	State Bank of India	717148	13/02/2014	1000

For Controller of Patents & Designs





70 Civic Amenities Centre in District & Taluk Hospitals in Entire North Karnataka



Part 2 (1).mp4

	SI. N	o. Description	Unit	Rate Rs. Ps
2016-2017 <mark>ನೇ ಸಾಅನ ದರಪಟ್ಟಿ</mark> ಲೋಕೋಪಯೋಗಿ, ಬಂದರು ಮತ್ತು ಒಳನಾಡು ಜಲಸಾಲಿಗೆ ಇಲಾಖೆ, ದಕ್ಷ್ಮಿಣ ವಲಯ, ಬೆಂಗಳೂರು	38.61	coir composite boards to Igsfs dry wall panel system Providing and fixing for both external and internal faces of Light Gauge Steel Frame Structure in two layers, sandwiching a breathable vapour barrier in between layers as per NBC code 2009, with external face having a 6mm thick heavy duty fiber cement board/coir composite board fixed on a 9mm thick heavy duty fiber cement board/coir composite board board confirming to IS 14862:2000, Category IV type A or equivalent in standard sizes and internal face with 12.5mm thick gypsum plaster board/coir composite board fixed on 8mm thick fiber cement board/coir composite boards confirming to IS 14862:2000 of category III type B (High pressure steam cured) or equivalent ,as per standard sizes with self drilling tapping screws half counter sunk, rib head of 1.60mm to	Sqm	3,316.00
SCHEDULE OF RATES 2016-2017 PW,P & IWTD, SOUTH ZONE BANGALORE		2mm to 3mm sealed with a silicon based sealant and smooth finished using fiber mesh tape and Epoxy and acrylic based joining compound for seamless finish and the material and process of manufacture and assembly/erection confirming to RV-TIFAC Composite Designs and Specifications including all costs of labour, materials, fabrication, assembling, transportation, erection, incidental and unforeseen charges complete as per the directions of the engineer in charge of the work		
	38.62	providing and fixing with eps -weld mesh-cement-sand shotcrete wall panels to lgsfs.		
		Providing and fixing in position factory made expanded polystyrene core (EPS core) panels 90 mm thick having a density not less than 10 kg per cum, to both faces of LGSFS FOR WALLS and covered on both sides with welded wire fabric mesh made of 2.2mm dia GI wire with 50mm pitch in both the directions, connected by GI wire of 3mm dia to the LGS frame structure duly plaster finished with short Crete plastering/ guniting equipment in required layers, 30mm thick with cement mortar 1:3 {1 cement: 3 coarse sand not having more than 40% stone chips of size upto 6mm} at a pressure not less than 1 bar (100 KN/m2) and both faces finished with trowel and completed in all respect as per drawings and specifications confirming to RV-TIFAC Composite Designs	Sqm	3,241.00
		assembling, transportation, eraction, incidental and unfined and incidental and unfined and incidental and unfined and incidental and unfined and unfi		
	38.63	providing and fixing with eps -weld mesh-cement-sand shotcrete roof/floor panels to Igsfs		
ISO 9001-2000 ISO 9001-2000 ISO 2000		Providing and fixing in position factory made expanded polystyrene core (EPS core) panels 90 mm thick having a density not less than 10 kg per cum, to both faces of LGSFS FOR ROOF/FLOOR PANELS and covered on both sides with welded wire fabric mesh made of 2.2mm dia GI wire with 50mm pitch in both the directions, connected by GI wire of 3mm dia to the LGS frame structure duly plaster finished with short Crete plastering/guniting equipment in required layers, 30mm thick with cement mortar 1:3 {1 cement: 3 coarse sand not having more than 40% stone chips of size upto 6mm} at a pressure not less than 1 bar (100 KN/m2) and both faces finished with trowel and completed in all respect as per drawings and specifications confirming to RV-TIFAC Composite Designs and Specifications including all costs of labour, materials, fabrication, assembling, transportation, erection, incidental and unforeseen charges complete as per the directions of the engineer in charge of the work.	Sqm	3,387.00
		317		

29 m m

Ps.





















Finished Photos of Multi Utility Hospital Buildings



Civic Amenities.mp4









Inauguration of Multi Utility Hospital Building at Haveri









Inauguration of TLH Multi Utility Hospital Building at Afzalpur





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Light Gauge Steel (LGS)- Composite Partition Wall for Potential Replacement of Brick Masonry Non Load Bearing Wall in Residential and High-Rise Building



KVQA ISO 9001 Certified

(A Fast Track Innovative Technology)



Member, Green Building Council

Dr. R. Gopalan VP & CEO



Non-Load Bearing Wall

Definition- A Wall which doesn't help the structure to stand up and holds up only itself is known as a non-load bearing wall. This wall is also referred to as curtain wall.

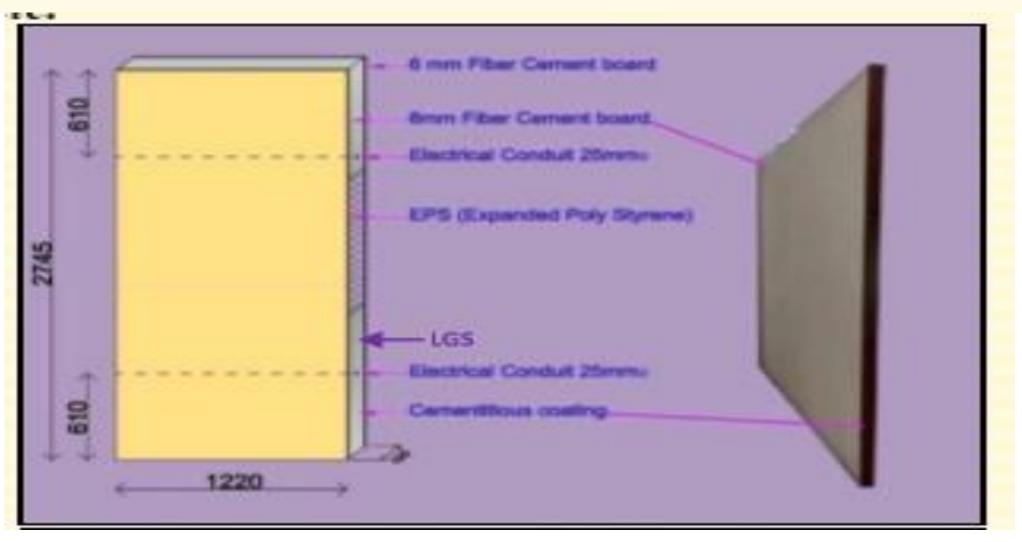
- A non load bearing wall doesn't support floor roof loads above
- It is not a part of the structural frame system
- Most of the time they are interior walls whose purpose is to divide the floor in to rooms
- They are built lighter to reduce the dead load of the structure
- One can remove any non load bearing wall without endangering the safety of the building
- Non bearing walls can be identified by the joists and rafters
- They are not responsible for gravitational support for the property.
- It is cost effective.

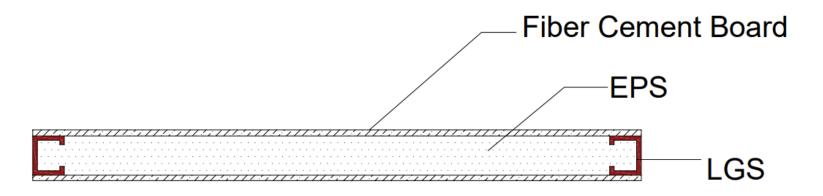


LIGHT GAUGE STEEL (LGS) SANDWICH COMPOSITE PARTITION WALL

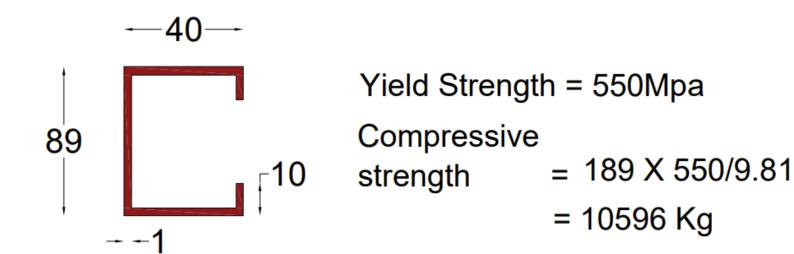


(A Revolutionary, First Time Ever, Larger Thickness Partition Walls to Replace Brick Wall / Aerocon Panel / Hollow Clay Bricks)





Section view of LGS composite partition wall

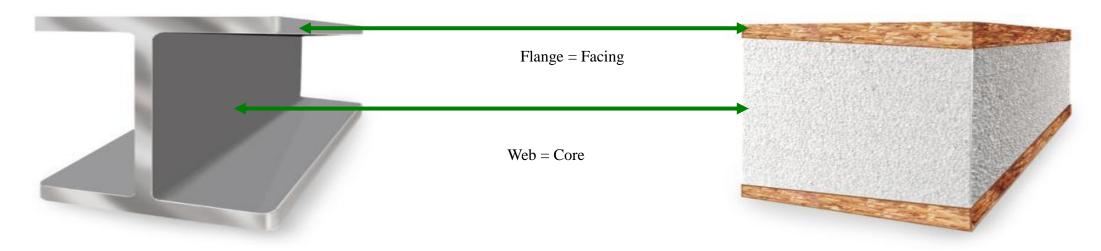




Sandwich Composite Partition Wall Photo

Why LGS-SCP Partition Wall? (LGS-SCP is a SUPERIOR Version of SIP - Developed by SDC)

A LGS-SCP is like an I-Beam



- LGS-SCP partition wall is significantly superior to a conventional Brick Masonry wall.
- > SIPs have undergone exhaustive testing by many third party agencies.
- SIPs have proven themselves to be a powerful alternative to conventional construction.



CASE STUDY

Hotel Building Constructed at Indo – China Border Trade Centre, Sikkim using SIP Panel Construction Technology



























- The Partition Wall is a Fibre Cement Board (FCB) –Expanded Poly Styrene (EPS) – Sandwich Panel-manufactured by hot Compression moulding process.
- It is provided with concealed electrical pipes, quick and easy to connect/join together by means of Splines.
- Surface Finish: FCB, Bamboo, Coir etc.
- Standard Size: width= 1220 (4 ft), Length = 2440mm, 2745 mm & 3050mm (8, 9 & 10 ft), Thickness=100mm (higher thinness is also available as per need). Weight = 65Kg.
- Application= Partition wall for residential, & high-rise buildings class room partition for school/college, shopping mall etc., construction of single story resorts, farm house etc.











Light Gauge Steel Frame/Structure:

Design, Supply and fixing of factory finished, custom designed cold formed light gauge steel frame super structure manufactured out of minimum 0.75mm, Pretreated, factory finished bare Galvalume/ Hot Dipped GI High Tensile steel sheet (AZ 150 GSM Aluminum Zinc Alloy coated steel and **550 Mpa** yield strength) conforming to **AISI specification and IBC 2009** for cold form steel framing and construction and shall also be as per IS: 8750-1987, IS: 800-1984 Part II. The wind loads shall be as per **IS: 875 (Part III).** The framing section shall be cold form, C type, having minimum depth of (**89 mm x 40 mm x 10 mm**) in required length as per structural design requirements duly punched with dimple slots at required locations as per approved drawings. The slots will be along the center line of the web, and shall be placed at a minimum of 250 mm away from both edges of the member. The frame can be supplied in specified dimension and fastened wide metal strip of **25 mm x 25 mm x 0.50** mm fastened to both adjoining walls.

Expanded Poly Styrene (EPS):-

EPS (expanded polystyrene) is an excellent material for packaging and for construction as it is light weight rigid foam with good thermal insulation and high impact resistance. The characteristics of EPS make it ideal for use as light weight filler, insulation, as an element for decorating or imaginative touches, as a lightweight filling material in LGS Structures.

Technical Specifications for Expanded Polystyrene (EPS)

The following properties are important for these applications:

- 1. Low thermal conductivity.
- 2. Low water absorption
- 3. Ease of handling and installation
- 4. Ageing resistance.
- 5. Less weight.
- 6. Low Flammability.
- 7. EPS is 100% recyclable.

Fibre Cement Board (FCB):-

Cement Fiber Board is cement bonded wood particle board. The Cement Fiber Board is universally accepted material for internal wall partitions as well as external walls, cupboards and many other structural applications.

Technical Specifications for Fibre Cement Board (FCB)

Cement fiber boards are available in two different types.

1.SHERA/ Everest cement fiber board -(Density=<1200 kg/m3) 2.Standard Visaka Board- (Density=<1100 kg/m3)

Cement Fiber Boards are available in different thickness and different sizes and also in different textures which will provide aesthetic look for any wall design. Cement fiber board's is fire resistant, water resistant, scratch resistant and anti-termite product. Cement fiber Board has flexural strength of 14 Mpa.

Cement Fiber Board can be used face sheets for LGS-Sandwich walls bonded using high performance structural adhesive by hot compression molding process.

Wall connecting details





Wall Size : 4' x 9'. Thickness: 4", 5", 6" & 8"

Rate comparison of Brick Masonry Wall vs. Composite Wall

PWD Karnataka SR 2021-22: Rates for brick masonry wall

RV-TIFAC LGS Composite Wall

			511
Sl no	Thickness	Rate	1
1	100 mm	Rs.210/sft	
2	150 mm	Rs.222/sft	2
3	200 mm	Rs.234/sft	3

SI no	Thickness	Rate
1	100 mm	Rs.135/sft
2	150 mm	Rs.155/sft
3	200 mm	Rs.175/sft

Contractors rate is about Rs.240-270 / Sft

Specific Advantages:

- Strong & superior quality, semi load bearing walls.
- About 90 % lighter than brick wall.
- Less number of joints and superior finish due to width (≥4 ft) and built-in concealed electrical pipes.

Meets acoustic requirements of class room and hospital wall partitions.

- LGS composite wall is 85-90% lighter than brick wall and ecofriendly.
- The significant weight reduction of walls will reduce the column and beam cost and weight significantly too.
- In the event of any building collapse due to earth quack, no one will get buried and no causalities.
- By using composite walls, at the most the building will only lean but won't fall IF the concrete columns and beams are designed properly.



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Light Gauge Steel (LGS)- Composite Load Bearing Wall for Potential Application in G,G+1 Residential Building



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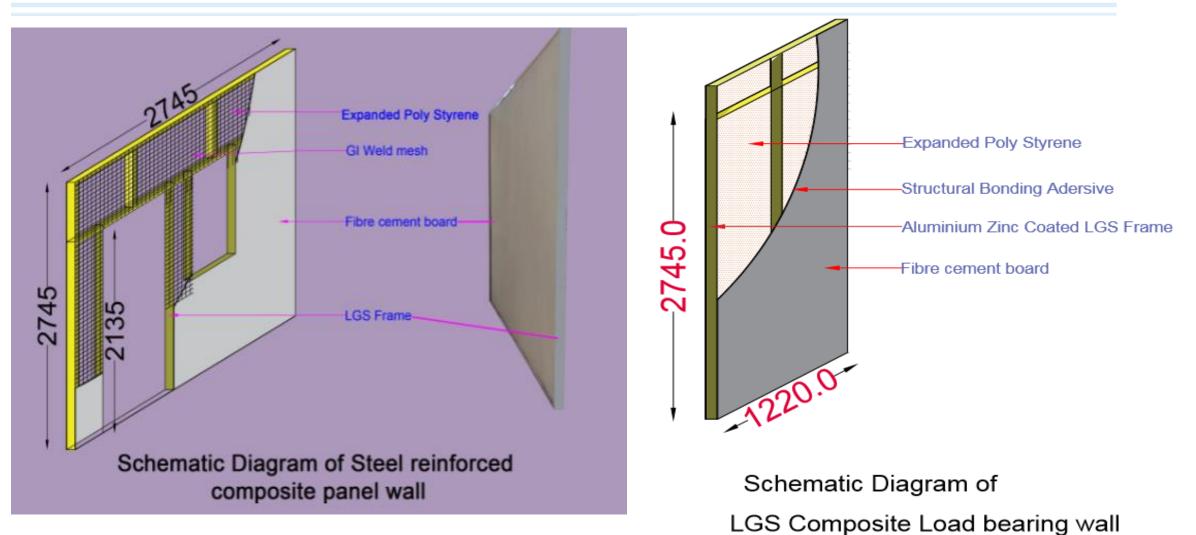




LIGHT GAUGE STEEL (LGS) COMPOSITE LOAD BEARING WALL



(A Primary Load Bearing Wall to Replace Brick Wall/ Concrete Wall)





Steel Reinforced Sandwich Composite Load Bearing Wall with door & window openings Photo.



- Prefabricated, high strength load bearing wall suitable for construction of G, G+1 building.
- Reinforced with Light Gauge Steel (550 Mpa galvanised).
 Wall can withstand 20-30 tonnes of load.
- Standard Size: 4 ft X 9 ftX101 mm, (customised size is also available) with concealed electrical pipes. Quick fix metal clamp mechanism to join the walls.
- Light weight, superior thermal and sound insulation properties.
- All walls are ready to construct as per architectural floor plan. Easy to fix wall tiles, claddings, etc.
- Life is more than 70 years with low maintenance cost.
- Water & fire resistant, suitable for external, internal, bath & toilets walls.
- Faster, Better, Cheaper & ECOFRIENDLY.

Specific Advantages:

- High strength, custom designed, prefabricated walls (similar to Indira Canteen precast walls in Bangalore)
- About 90 % lighter than precast concrete wall.
- Superior finish with built-in concealed electrical pipes.
- Meets Building Codes requirements of residential, schools/colleges, hospitals and commercial buildings.

Summary

Superior Construction Speed :

- The ease and construction of our LGS-SCP Wall and Roof System results in an extremely fast build time, up to 10-20 times faster than traditional brick wall technology
- The LGS-SCP System is about 10 times lighter than brick wall, ease of handing &transportation, Does not require heavy trucks & cranes.
- It is a dry system, no hassle of labour, site work, water curing etc and thereby huge reduction in waste, dust and pollution.



For further details, please contact:

Dr.R.Gopalan, VP & CEO COMPOSITES TECHNOLOGY PARK #205, Bande Mutt, Kengeri Satellite Township Bangalore-560 060 Ph: 080 – 6599 7605, 6558 1005, 2848 2771, Mob:93799 49152 Email: drgopalan2003@yahoo.com Please visit our website:

www.compositestechnologypark.com http://www.indiamart.com/sdc-bengaluru