

**FORM 28**  
**THE PATENTS ACT, 1970**  
**(39 of 1970)**  
**AND**

**THE PATENTS RULES, 2003**  
**TO BE SUBMITTED BY A SMALL ENTITY /STARTUP/EDUCATIONAL INSTITUTION**  
**[See rules 2 (fa), 2(fb), 2(ca) and 7]**

<b>1.</b>	<b>Insert name, address and nationality.</b>	We <b>GMR INSTITUTE OF TECHNOLOGY</b> , applicant/ patentee in respect of the patent application " <b>A NATURAL FIBRE BASED HIGH STRENGTH COMPOSITE USED FOR SAFETY HELMETS AND ITS METHOD OF PREPARATION</b> " hereby declare that we are a small entity in accordance with rule 2(fa) or a startup in accordance with rule 2(fb) or an educational institution in accordance with rule 2(ca) and submit the following document(s) as proof: <b>UGC Notification No. F. 22-1/2017(AC) dated 30<sup>th</sup> May, 2018</b>
<b>2.</b>	Documents to be submitted	
	i. For claiming the status of a small entity:- N/A	
	A. For an Indian applicant: Evidence of registration under the Micro, Small and Medium Enterprises Development Act, 2006(27 of 2006).	
	B. In case of a foreign entity: Any other document.	
	ii. For claiming the status of a startup- N/A	
	A. For an Indian applicant: Any document as evidence of eligibility, as defined in rule 2(fb).	
	B. In case of a foreign entity: Any other document.	
	iii. For claiming the status of an educational institution	
	A. For an Indian applicant: Any document as evidence of eligibility, as defined in rule 2(ca).-	
	<b>UGC Notification No. F. 22-1/2017(AC) dated 30<sup>th</sup> May, 2018</b>	
	B. In case of a foreign educational institution: Any other document- N/A	
<b>3.</b>	To be signed by the applicant(s)/ patentee(s)/authorized registered patent agent.	The information provided herein is correct to the best of our knowledge and belief.  Dated this ..... day of October, 2022
<b>4.</b>	Name of the natural person who has signed.	Name:- <b>Dr. C L V R S V Prasad</b> Designation :- <b>Principal</b>  Signature & Stamp .....  <b>GMR INSTITUTE OF TECHNOLOGY</b> (APPLICANT) <b>Dr. CLVRSV. Prasad</b> <b>PRINCIPAL</b> <b>GMR Institute of Technology</b> <b>GMR Nagar Rajam 532427 AP</b>
To The Controller of Patents, The Patent Office, At Chennai		



Controller General of Patents, Designs & Trade  
Marks



सत्यमेव जयते  
G.A.R.6  
[See Rule 22(1)]  
RECEIPT



Docket No 101726

Date/Time 2022/10/15 11:10:16

To  
GMR INSTITUTE OF TECHNOLOGY

GMR Nagar, Rajam, Andhra Pradesh-  
532127, India

CBR Detail:

Sr. No.	Ref. No./Application No.	App. Number	Amount Paid	C.B.R. No.	Form Name	Remarks
1	202241058948	TEMP/E-1/67869/2022-CHE	1600	41700	FORM 1	A SYSTEM AND METHOD FOR INSTANTANEOUS COOLING AND HEATING LIQUID
2	202241058949	TEMP/E-1/67870/2022-CHE	1600	41700	FORM 1	A NATURAL FIBRE BASED HIGH STRENGTH COMPOSITE USED FOR SAFETY HELMETS AND ITS METHOD OF PREPARATION
3	E-106/6112/2022/CHE	202241058948	0	----	FORM28	----
4	E-106/6111/2022/CHE	202241058949	0	----	FORM28	----

TransactionID	Payment Mode	Challan Identification Number	Amount Paid	Head of A/C No
N-0001038602	Online Bank Transfer	1510220003204	3200.00	1475001020000001

Total Amount : ₹ 3200.00

Amount in Words: Rupees Three Thousand Two Hundred Only

Received from GMR INSTITUTE OF TECHNOLOGY the sum of ₹ 3200.00 on account of Payment of fee for above mentioned Application/Forms.

\* This is a computer generated receipt, hence no signature required.

Print



## Authorization Letter

We, "GMR INSTITUTE OF TECHNOLOGY", addressed at **GMR Nagar, Rajam, Andhra Pradesh- 532127, India**, hereby authorize to our Representatives **Dr. Monika Shukla** having address **IPR Cell, GMRIT, Rajam**, to act on our behalf in connection with the filing of Indian Patent Application for titled "**A NATURAL FIBRE BASED HIGH STRENGTH COMPOSITE USED FOR SAFETY HELMETS AND ITS METHOD OF PREPARATION**", filed in our names, to act jointly or severally as a representative for e-filing and online documents submission on our behalf as may be required.

I, hereby assent to the action already taken by the said person in the above matter.

Dated .....day of **October, 2022**

The Controller of Patents  
The Patent Office  
Chennai



**GMR INSTITUTE OF TECHNOLOGY**

(Signature and seal)

**Dr. CLVRSV Prasad**  
**PRINCIPAL**  
**GMR Institute of Technology**  
**GMR Nagar Rajam 532127 AP**

<b>"FORM 1"</b> THE PATENTS ACT 1970 (39 of 1970) and THE PATENTS RULES, 2003 <b>APPLICATION FOR GRANT OF PATENT</b> (See section 7, 54 and 135 and sub-rule (1) of rule 20)				(FOR OFFICE USE ONLY)			
				Application No.			
				Filing date:			
				Amount of Fee			
				paid:			
				CBR No:			
				Signature:			
1. APPLICANT'S REFERENCE / IDENTIFICATION NO. (AS ALLOTTED BY OFFICE)							
2. TYPE OF APPLICATION *Please tick (✓) at the appropriate category							
Ordinary (✓)		Convention ( )		PCT-NP ( )			
Divisional ( )	Patent of Addition ( )	Divisional ( )	Patent of Addition ( )	Divisional ( )	Patent of Addition ( )		
3A. APPLICANT(S)							
Name in Full		Nationality	Country of Residence	Address of the Applicant			
<b>GMR INSTITUTE OF TECHNOLOGY</b>		Indian	India	GMR Nagar			
				Town		Rajam	
				State		Andhra Pradesh	
				Country		India	
				Pin code		532127	
3B. CATEGORY OF APPLICANT [Please tick (✓) at the appropriate category]							
Natural Person ( )		Other than Natural Person					
		Small Entity ( )	Startup ( )	Educational Institution (✓)		Others ( )	
4. INVENTOR(S) [Please tick (✓) at the appropriate category]							
Are all the inventor(s) same as the applicant(s) named above?			Yes ( )		No (✓)		
If "No", furnish the details of the inventor(s)							
<b>ANNEPU LAKSHUMU NAIDU</b>		Nationality	Country of Residence	Address of the Inventor			
		Indian	India	Department of Mechanical Engineering, GMR Institute of Technology, GMR Nagar			
				Town		Rajam	
				State		Andhra Pradesh	
				Country		India	
				Pin code		532127	
<b>PRASAD CHILAMKURTI L V R S V</b>		Nationality	Country of Residence	Address of the Inventor			
		Indian	India	Department of Mechanical Engineering, GMR Institute of Technology, GMR Nagar			
				Town		Rajam	
				State		Andhra Pradesh	



			Country	India
			Pin code	532127
<b>VELAMALA RAMBABU</b>	Nationality	Country of Residence	Address of the Inventor	
	Indian	India	Department of Mechanical Engineering, GMR Institute of Technology, GMR Nagar	
			Town	Rajam
			State	Andhra Pradesh
			Country	India
			Pin code	532127
<b>MAKKA JAYAKRISHNA</b>	Nationality	Country of Residence	Address of the Inventor	
	Indian	India	Department of Mechanical Engineering, GMR Institute of Technology, GMR Nagar	
			Town	Rajam
			State	Andhra Pradesh
			Country	India
			Pin code	532127

#### 5. TITLE OF THE INVENTION

**"A NATURAL FIBRE BASED HIGH STRENGTH COMPOSITE USED FOR SAFETY HELMETS AND ITS METHOD OF PREPARATION"**

<b>6. AUTHORISED REGISTERED PATENT AGENT(S)</b>	IN/PA No.	N/A
	Name	N/A
	Mobile No.	N/A
<b>7. ADDRESS FOR SERVICE OF APPLICANT IN INDIA</b>	Name	<b>GMR INSTITUTE OF TECHNOLOGY</b>
	Postal Address	GMR Nagar, Rajam, Andhra Pradesh- 532127, India.
	Telephone No.	
	Mobile No.	9716172351
	Fax No.	-
	E-mail ID	prasad.CLVRSV@gmrgroup.in

#### 8. IN CASE OF APPLICATION CLAIMING PRIORITY OF APPLICATION FILED IN CONVENTION COUNTRY, PARTICULARS OF CONVENTION APPLICATION

Country	Application Number	Filing date	Name of the applicant	Title of the invention	IPC (as classified in the convention country)
NA	NA	NA	NA	NA	NA

#### 9. IN CASE OF PCT NATIONAL PHASE APPLICATION, PARTICULARS OF INTERNATIONAL APPLICATION FILED UNDER PATENT CO-OPERATION TREATY (PCT)

International application number	International filing date
NA	NA

#### 10. IN CASE OF DIVISIONAL APPLICATION FILED UNDER SECTION 16, PARTICULARS OF ORIGINAL (FIRST) APPLICATION

Original (first) application No.	Date of filing of original (first) application
NA	NA

#### 11. IN CASE OF PATENT OF ADDITION FILED UNDER SECTION 54, PARTICULARS OF MAIN APPLICATION OR PATENT


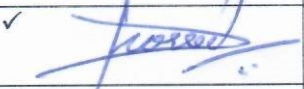

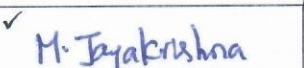
Main application/patent No. NA	Date of filing of main application
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**12. DECLARATIONS****(i) Declaration by the inventor(s)**

(In case the applicant is an assignee: the inventor(s) may sign herein below or the applicant may upload the assignment or enclose the assignment with this application for patent or send the assignment by post/electronic transmission duly authenticated within the prescribed period).

I/We, the above named inventor(s) is/are the true & first inventor(s) for this Invention and declare that the applicant(s) herein is/are my/our assignee or legal representative.

S. No.	Name	Signature	Date
1.	ANNEPU LAKSHUMU NAIDU	✓ 	13-10-22
2.	PRASAD CHILAMKURTI L V R S V	✓ 	13.10.22
3.	VELAMALA RAMBABU	✓ 	12-10-22
4.	MAKKA JAYAKRISHNA	✓ 	13-10-22

**(ii) Declaration by the applicant(s) in the convention country**

(In case the applicant in India is different than the applicant in the convention country: the applicant in the convention country may sign herein below or applicant in India may upload the assignment from the applicant in the convention country or enclose the said assignment with this application for patent or send the assignment by post/electronic transmission duly authenticated within the prescribed period) I/We, the applicant(s) in the convention country declare that the applicant(s) herein is/are my/our assignee or legal representative.

(a) Date

(b) Signature(s)

(c) Name(s) of the signatory:

**(iii) Declaration by the applicant(s)**

I/We the applicant(s) hereby declare(s) that: -

(✓) I am/ We are in possession of the above-mentioned invention.

(✓) The provisional/~~complete~~ specification relating to the invention is filed with this application.

(×) ~~The invention as disclosed in the specification uses the biological material from India and the necessary permission from the competent authority shall be submitted by me/us before the grant of patent to me/us.~~

(✓) There is no lawful ground of objection(s) to the grant of the Patent to me/us.

(✓) I am/we are the true & first inventor(s).

(✓) I am/we are the assignee or legal representative of true & first inventor(s).

(×) ~~The application or each of the applications, particulars of which are given in Paragraph 8, was the first application in convention country/countries in respect of my/our invention(s).~~

(×) ~~I/We claim the priority from the above mentioned application(s) filed in convention country/countries and state that no application for protection in respect of the invention had been made in a convention country before that date by me/us or by any person from which I/We derive the title.~~

(×) ~~My/our application in India is based on international application under Patent Cooperation Treaty (PCT) as mentioned in Paragraph 9.~~

(×) ~~The application is divided out of my /our application particulars of which is given in Paragraph 10 and pray that this application may be treated as deemed to have been filed on DD/MM/YYYY under section 16 of the Act.~~

(×) ~~The said invention is an improvement in or modification of the invention particulars of which are given in Paragraph 11.~~

**13. FOLLOWING ARE THE ATTACHMENTS WITH THE APPLICATION**

(a) Form 2

Item	Details	Fee	Remarks
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Provisional specification)#	No. of pages:	1600	For 14 pages
No. of Claim(s)	No. of claims:		Claims 00
	No. of pages.:		Pages 00
Abstract	No. of pages.:		01
No. of Drawing(s)	No. of drawings:		Figures 01
	No. of pages		Pages 01

# In case of a complete specification, if the applicant desires to adopt the drawings filed with his provisional specification as the drawings or part of the drawings for the complete specification under rule 13(4), the number of such pages filed with the provisional specification are required to be mentioned here.

(b) Provisional specification (in conformation with the international application)/as amended before the International Preliminary Examination Authority (IPEA), as applicable (2 copies).

~~(c) Sequence listing in electronic form~~

~~(d) Drawings (in conformation with the international application)/as amended before the International Preliminary Examination Authority (IPEA), as applicable (2 copies).~~

~~(e) Priority document(s) or a request to retrieve the priority document(s) from DAS (Digital Access Service) if the applicant had already requested the office of first filing to make the priority document(s) available to DAS.~~

~~(f) Translation of priority document/Specification/International Search Report/International Preliminary Report on Patentability.~~

(g) Statement and Undertaking on Form 3

(h) Declaration of Inventorship on Form 5

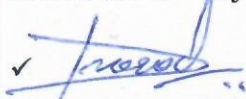
~~(i) Power of Authority~~

(J) Form-28

**Total fee. 1600/- in Cash/ Banker's Cheque /Bank Draft bearing No..... Date.....on .....** Bank.

I/We hereby declare that to the best of my/our knowledge, information and belief the fact and matters slated herein are correct and I/We request that a patent may be granted to me/us for the said invention.

Dated .....<sup>th</sup> day of **October, 2022**

✓ 

**GMR INSTITUTE OF TECHNOLOGY**

**(Applicant) Dr. CLVRSV Prasad**  
**PRINCIPAL**

To,  
The Controller **GMR Institute of Technology**  
**GMR Nagar Rajam 532127 AP**  
The Patent Office, at Chennai

Note: -

\* Repeat boxes in case of more than one entry.

\* To be signed by the applicant(s) or by authorized registered patent agent otherwise where mentioned.

\* Tick (✓)/cross (x) whichever is applicable/not applicable in declaration in paragraph-12.

\* Name of the inventor and applicant should be given in full, family name in the beginning.

\* Strike out the portion which is/are not applicable.

\* For fee: See First Schedule";

