

# सिपेट : सेन्टर फॉर स्किलिंग एण्ड टेक्निकल सपोर्ट (सीएसटीएस)

(रसायन एवं पेट्रोसेसायन विभाग,  
रसायन एवं उर्वरक मंत्रालय, भारत सरकार)  
जी-सेक्टर, गोविन्दपुरा औद्योगिक क्षेत्र, जे. के. रोड,  
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फैक्स : +91-755-2689041  
ई-मेल : cipet.bhopal@gmail.com  
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मुख्यालय : गिण्डी, चेन्नई - 600 032



CIPET सि पेट  
probe · perform · practice · Plastics



## CIPET : CENTRE FOR SKILLING AND TECHNICAL SUPPORT (CSTS)

(Department of Chemicals & Petrochemicals,  
Ministry of Chemicals & Fertilizers, Govt. of India)  
G-Sector, Govindpura Industrial Area, J. K. Road,  
Bhopal - 462 023 (M.P.) INDIA  
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Head Office : Guindy, Chennai - 600 032

### कोरियर/स्पीड पोस्ट/बाय हेन्ड Courier / Speed Post / By Hand

कः सिपेट:सी एस टी एस/बी.सी./2018-19/1523

दिनांक 21.12.2018

प्रति,

M/s Jarsh Innovations Pvt. Ltd.  
12/13/645/D/1, Nagarjuna Nagar,  
Tarnaka, Hyderabad - 500017

विषय :- परीक्षण हेतु ।

संदर्भ :- Letter

दिनांक : 20.12.2018

महोदय,

कृपया हमारी परीक्षण रिपोर्ट कमांक  
प्राप्त करें।

21392

डनवाइस कमांक

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दिनांक

21.12.2018

संलग्न कस्टमर फीड बैक फार्म भरकर वापस भेजने का कष्ट करें ।

धन्यवाद,

भवदीय,

गुणवत्ता प्रबंधक

संलग्न : उपरोक्तानुसार

**सेन्टर फॉर स्किलिंग एण्ड  
तकनीकल सपोर्ट (सीएसटीएस)**

(रसायन एवं पेट्रोसायन विभाग,  
रसायन एवं उर्वरक मंत्रालय, भारत सरकार)  
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**PLASTIC TESTING CENTRE  
TEST CERTIFICATE**



**Series :**

**क्र. No. 14549**

**Issued to**

M/s Jarsh Innovations Pvt. Ltd.  
12/13/645/D/1, Nagarjuna Nagar,  
Tarnaka, Hyderabad - 500017



**ULR No. TC-637818000000475F**

**टेस्ट रिपोर्ट नं. 21392 A  
दिनांक: 21.12.2018  
पेज नं. 1 of 4**

**TEST REPORT AS PER IS: 2925-84 with Amendment No. 1, 2, 3 & 4**

**PART-A**

**PARTICULARS OF SAMPLE SUBMITTED**

**नमूने का विवरण / Sample details : Industrial Safety Helmets - As stated by the party**

संदर्भ : Letter  
दिनांक : 20.12.2018

उत्पादन कोड/ब्रान्ड/ Product Code / Brand/Size : Jarsh Kepi 2.0 - Model E  
उत्पादकता की दिनांक /Date of manufacturing : Nil  
बैच नं. / Batch No./ S.R. No. : Nil  
प्राप्त नमूने की दिनांक /Date of sample received : 30.11.2018  
परीक्षण समय /Test Duration : 30.11.2018 to 20.12.2018  
नमूने की मात्रा / Qty of sample received : 10 Nos (05 Nos With Electronics & 05 Nos Without Electronics)  
अन्य विवरण /Any other details : Nil

**JARSH AC HELMET  
WITH IN BUILT  
BATTERY**

**Note:**

1. This report, in full or part, shall not be published, advertised, used for any legal action, unless prior permission has been secured.
2. This test report is only for the sample tested.

**PART-B**

**SUPPLEMENTRY INFORMATIONS**

- a) Reference to sampling procedure wherever applicable : Supplied by the party
- b) Supporting documents for the measurements taken and : As given in Part-C  
Results derived like graphs, tables, sketches and/or  
Photographs as appropriate to test report, if any (to be attached).
- c) Deviation from the test methods as prescribed in : Nil  
Relevant work instruction, if any

निरंतर ----2 Contd....2

Subha Jayaraman - (S.T.O.)  
अधिकृत हस्ताक्षर /Authorised Signatory

Alok Sahu - Chief Manager (T.S.)  
अधिकृत हस्ताक्षर /Authorised Signatory



Certificate No.: TC-6378



ULR No. TC-63781800000475F

टेस्ट रिपोर्ट नं. 21392 A

दिनांक : 21.12.2018

पेज नं. 2 of 4

**PART-C**

**TEST RESULT AS PER IS: 2925-84 with Amendment No. 1, 2, 3 & 4**

S.N.	Clause	Name of the test	Unit	Test value obtained	Specified Requirement
1	3	<b>Materials</b>			
	3.1	<b>Shell Material</b>	--	Conforms	shall be non-metallic material.
	3.2	<b>Harness</b>	--	Conforms	The headband anti concussion tape etc shall be sweat resistance, non irritant and shall not cause skin disease.
2.	4.1	<b>Sizes</b>			
			mm	540 - 590 Conforms	a) 520/530/540/550/560/570/ 580/590/600 b) The size adjustment range shall be clearly marked on helmet
3.	5.1	<b>Constructions</b>			
	i)	<b>Shell</b>	--	Conforms Conforms	a) Shell shall be dome -shaped. b) There shall not be any metallic component passing through the shell.
			--	With brim & peak	c) shall be Provided with a brim with or without a peak.
			--	Conforms	d) Shall be intergral part of the shell and these shall have no sharp edges
			--	Conforms	e) Brim shall be continous around the dome
			mm	8.7	f) Length of brim, 6mm (minimum)
			mm	42.2	g) Length of peak 50 mm (maximum)
4.			ii)	<b>Ventilation holes</b>	-- mm mm No. mm <sup>2</sup>
5.	5.2	<b>Harness</b>			
	5.2.1	<b>Head Band</b>	mm	30.8	a) Width 30 mm (min)
			--	Conforms	b) Adjustment to any sizes as in clause 4.1 may be readily made.
		-- mm	Conforms 6.0	c) It shall be securely attached in the helmet shell and crown strap. d) Distance of head band from the shell 5 mm (min)	

निरंतर -3/Contd....3/-

*Subha*

Subha Jayaraman - (S.T.O.)

अधिकृत हस्ताक्षर / Authorised Signatory

*Alok*

Alok Sahu - Chief Manager (T.S.)

अधिकृत हस्ताक्षर / Authorised Signatory



Certificate No.: TC-6378



ULR No. TC-63781800000475F

टेस्ट रिपोर्ट नं. 21392 A

दिनांक : 21.12.2018

पेज नं. 3 of 4

<b>PART-C</b>					
<b>TEST RESULT AS PER IS: 2925-84 with Amendment No. 1, 2, 3 &amp; 4</b>					
S.N.	Clause	Name of the test	Unit	Test value obtained	Specified Requirement
6.	5.2.2	<b>Cradle</b>	No.	4.0	a) Head band anchoring points, 4 Nos (min)
			mm	19.3	b) Width of strap, 19 mm (min)
			mm	32.1	c) Clearance between top of the wearers head and top of the helmet crown at the smallest size shall not be less than 30 mm
			mm	98.9	d) Wearing height at Max., 80 (min), (depth to fit)
7.	5.3	<b>Chin strap or nape Strap</b>			
	5.3.1	<b>Chin strap</b>	mm	19.1	a) It shall be attached to shell and shall atleast 19 mm wide
			--	Conforms	b) Shall be permanently fitted with fastening device to adjust and maintain tension
--	Conforms	c) Shall confirm to the requirement (Appendix D)			
8.	5.3.2	<b>Nape Strap</b>	--	Conforms	a) It shall be either intergral part or as an attachment to the head band
			--	Conforms	b) Shall be adjustable
			mm	121.1	c) Depth as per 5.3.2.1, 115 mm (min)
9.	5.5	<b>Cable Clip</b>	--	Conforms	Shall be made of plastic/ suitable material and fixed to the shell
			Conforms	The cable clip shall remain intact	
10.	6.0	<b>Workmanship and finish</b>		Conforms	a) The helmet shall be finished smooth, free from burrs, sharp edges shall be removed to ensure proper surface contact of fittings.
			Conforms	b) All metal parts shall be smooth and free from sharp or rough edges or projections	
11.	7.0	<b>Mass</b>			
		(i) Shell	gm	264.4	a) The complete mass shall be 400 gm (max) without attachment
		(ii) Helmet	gm	591.9	b) Mass of shell with attachment

निरंतर -4/Contd....4/-

Subha Jayaraman - (S.T.O.)

अधिकृत हस्ताक्षर / Authorised Signatory

Alok Sahu - Chief Manager (T.S.)

अधिकृत हस्ताक्षर / Authorised Signatory



ULR No. TC-63781800000475F

टेस्ट रिपोर्ट नं. 21392 A  
दिनांक : 21.12.2018  
पेज नं. 4 of 4

**PART-C**

**TEST RESULT AS PER IS: 2925-84 with Amendment No. 1, 2, 3 & 4**

S.N	Clause	Name of the test	Unit	Test value obtained	Specified Requirement	
12.	8.1	<b>Shock absorption resistance</b>				
		Force transmitted from head foam to cindition to the base, 5 KN (max) 1. Conditioned at 50°C ±5 for 4 h	kN	0.05	Conforms	The shell shall not show any penetration or crack and harness shall not show any damage deteriorating its functioning. Force transmitted from head foam to conditioned base, 5 kN (max)
		2. Conditioned at -10°C ±2 for 4h	kN	1.42	Conforms	The shell shall not show any penetration or crack and harness shall not show any damage deteriorating its functioning. Force transmitted from head foam to conditioned base, 5 kN (max)
		3. Conditioned under flowing water for 4 h @ 1 lit/min	kN	0.66	Conforms	The shell shall not show any penetration or crack and harness shall not show any damage deteriorating its functioning. Force transmitted from head foam to conditioned base, 5 kN (max)
13.	8.2	Penetration resistance	--	Conforms	a) Shall neither break nor pierced through sufficiently to touch the headform b) No integral part shall fail or stretch permitting the helmet to be forced down over the head forms. c) Depth of penetration,, 10 mm (max)	
			--	Conforms		
			mm	0.50		
	8.3	Flammability Resistance	--	Conforms	The material of the shell shall not burn with emmission or flame after period of 5 sec. after the removal of the flame.	
	8.4	Electrical resistance	--	Conforms	The shell shall not show a leakage of current in excess of 3 mA	
8.5	Water abosrption	%	1.0	5% (max)		
8.6	Heat Resistance	--	Conforms	The shell shall not separate distort or soften		

**PART-D**

Remark: :Nil

Note:

1. Selection of samples for individual test have been done in accordance with respective clauses of IS: 2925-84 with Amendment No. 1, 2, 3 & 4.
2. Details of test sub-contracted: Nil
3. Remnant samples will be disposed after 3 months from the date of issue of test report

*Subha Jayaraman*  
Subha Jayaraman – (S.T.O.)

अधिकृत हस्ताक्षर / Authorised Signatory

*Alok Sahu*  
Alok Sahu – Chief Manager (T.S.)

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