



PURCHASE ORDER

ORIGINAL

EMDET ENGINEERS PRIVATE LIMITED 30-1/A, HSIIDC INDUSTRIAL AREA,, DHARUHERA, REWARI, HARYANA, INDIA DHARUHERA - 123106 HARYANA, INDIA Phone : +91-1274-242039, Email : office.gurgaon@aiemdet.com		Order Date 11-NOV-2022 Terms of Shipment FOR AT DESTINATION Mode of Shipment ROAD Key Account Manager ABHISHEK TIWARI Email accounts.manager@aiemdet.com Mobile. 7534930112 Terms Of Payment 60 DAYS Modify Date	Order No. RM/22-23/163 No Of Carton(s) 0 Weight(Kgs) 0.000 VRM No. 279
CIN No. GSTN No.	PAN No. AABCE3453F 06AABCE3453F1Z0	Please supply the following material as per the terms and conditions:-	

Bill From MAN DREAM EMS WORLD VILLAGE: BILLANWALI,BEHIND PHASE-3, DURGA MATA MAN, H.P 173205, BADDI SOLAN- 173205 HIMACHAL PRADESH, INDIA	Ship From DREAM EMS WORLD VILLAGE: BILLANWALI,BEHIND PHASE-3, DURGA MATA H.P 173205 BADDI SOLAN- 173205 HIMACHAL PRADESH, INDIA
GSTN No 02AAPFD2893R1ZQ Type Regular	GSTN No 02AAPFD2893R1ZQ Type Regular

S NO.	DESC. OF GOODS / Delivery. Dt	SKU	HSN	QTY	RATE	DISC.	AMOUNT	TAX	TOTAL
1	LED-6200~6800K-140-150lm-2835-1W-100mA EP22002 -8.6-9.1V-RA80 11-11-22		8541	800000.000 Nos /	0.280	0.00	2,24,000.00	40,320.00	2,64,320.00
				Total	8,00,000.00		2,24,000.00	40,320.00	2,64,320.00
							Total Amount ₹		2,64,320.00

E & O E

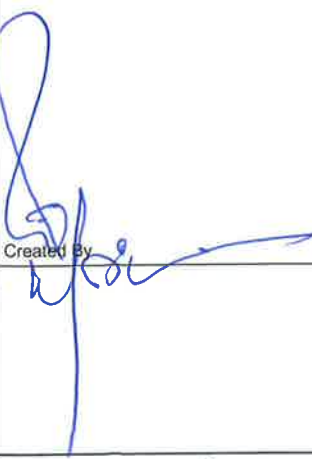
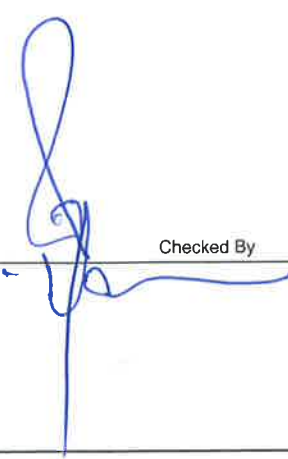
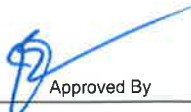
Total Taxable Amount : 2,24,000.00 (RUPEES TWO LAKH TWENTY FOUR THOUSAND ONLY)

IGST:18.00% : 40,320.00 (RUPEES FORTY THOUSAND THREE HUNDRED TWENTY ONLY)

Total Invoice value : 2,64,320.00 (RUPEES TWO LAKH SIXTY FOUR THOUSAND THREE HUNDRED TWENTY ONLY)

S NO.	HSN CODE	Taxable Value	CGST. %	AMOUNT	SGST. %	AMOUNT	IGST. %	AMOUNT	TOTAL
1	8541	2,24,000.00	0.00	0.00	0.00	0.00	18.00	40,320.00	40,320.00

Terms & Conditions : P.T.O.

Created By  Checked By  Approved By 

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PRODUCT VALIDATION REPORT

GENERIC NAME : TEST OF LED
TEST DATE : 28/10/2022
LED DETAILS : BMTc, HONGLI & EVERSTAR 2835, 1W
 100mA 9V (140-145lm)

INDEX

S.No.	SHEET DESCRIPTION
1	ELECTRICAL REPORT
2	PHOTOMETRIC PERFORMANCE WITH 9W LED BULB
3	PHOTOMETRIC PERFORMANCE WITH 12W LED BULB
TEST BY: ALOK PANDEY CHECKED BY: SHASHIKANT KUMAR APPROVED BY:- LALIT KUMAR	
SIGN:- SIGN:- SIGN:-	

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28/10/2022

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EMDET ENGINEERS PVT. LTD.

Plot No-30,1/A HSIIDC

Industrial Area Dharuhera,

Rewari- 123106, Haryana

QUALITY ASSURANCE

LED TEST REPORT

DATE :28/10/2022

PRODUCT DESCRIPTION : LED Test report with9W & 12W led Bulb

LED DETAILS : 1W 100mA 9V 140-145lm

NO. OF SAMPLE : 2 nos

Electrical Test Report

Product : 9W LED BULB

Sr. No	I/P Voltage (V)	I/P Current (mA)	I/P Power (W)	Power Factor (Ø)	THD (%)	O/P Voltage (V)	O/P Current (mA)	O/P Power (W)	Efficiency (%)	LED MAKE	Remarks
Specs.	230V	40mA±10%	9W±10%	≥0.9	≥20	81V±10%	100mA±10%	7.5W±10%	≥90		
1	230	38.45	8.60	0.973	12.69	79.86	97.8	7.81	90.77	BMTC	PASS
2	230	39.12	8.75	0.972	12.54	80.50	98.7	7.95	90.85		
1	230	38.90	8.69	0.971	13.23	80.45	98.3	7.90	90.88	HONGLI	
2	230	38.74	8.66	0.972	12.84	80.16	97.9	7.85	90.62		
1	230	38.35	8.57	0.972	12.95	80.77	96.6	7.80	91.01	EVERSTAR	
2	230	38.65	8.65	0.973	12.56	79.85	98.50	7.88	91.05		

Product : 12W LED BULB

Sr. No	I/P Voltage (V)	I/P Current (mA)	I/P Power (W)	Power Factor (Ø)	THD (%)	O/P Voltage (V)	O/P Current (mA)	O/P Power (W)	Efficiency (%)	LED MAKE	Remarks
Specs.	230V	55mA±10%	12W±10%	≥0.9	≥20	63V±10%	180mA±10%	10.5W±10%	≥90		
1	230	53.1	11.83	0.969	8.17	62.17	176.3	10.96	92.62	BMTC	PASS
2	230	52.65	11.70	0.966	8.45	61.3	178.2	10.92	93.38		
1	230	52.16	11.62	0.969	8.7	60.82	179.5	10.92	93.91	HONGLI	
2	230	52.98	11.80	0.968	8.23	61.62	178.7	11.05	93.66		
1	230	52.84	11.75	0.967	8.59	61.72	178.2	11.00	93.59	EVERSTAR	
2	230	53.64	11.94	0.968	8.7	62.49	177.1	11.07	92.67		

Prepared By: Alok Pandey

Checked By: Shashikant Kumar

Approved By: Lalit Kumar



EMDET ENGINEERS PVT. LTD.
 Plot No-30, I/A HSIIDC
 Industrial Area Dharuhera,
 Rewari- 123106, Haryana

QUALITY ASSURANCE

PRODUCT TEST REPORT

DATE :28/10/2022

PRODUCT DESCRIPTION : LED Test report with 9W led Bulb

LED DETAILS : 1W 100mA 9V 140-145lm

NO. OF SAMPLE : 2 nos

Photometry Performance Test

Product : 9W LED BULB

	IEC / IS Standard	Instrument	Specification	MAKE LED-BMTC		Result	MAKE LED-HONGLI		Result	AKE LED-EVERSTAR		Result	Remark
				S-1	S-2		S-1	S-2		S-1	S-2		
Photometry Test(Stable)	IS16106-2012 or IES LM79-08	Integrating sphere	CCT	6500K ± 510K	6232.00	6206.00	Pass	6198.00	6172.00	Pass	6378.00	6304.00	BMTC & HONGLI LED (All photometric parameters) is ok as per specification. & EVERSTAR LED (all photometric parameters) is not ok as per specification.
			CRI (Ra)	> 80	80.4	80.3		81.0	80.9		80.3	80.4	
			Lumens	945±10%	861.47	869.70		868.58	874.46		868.58	874.46	
			Efficacy (Lm/W)	≥105	105.06	106.45		105.04	106.77		105.04	106.77	
			Power (W)	9W±10%	8.20	8.17		8.25	8.19		8.26	8.15	
			Power Factor	> 0.90	0.975	0.976		0.965	0.967		0.970	0.973	
SDCM	≤ 7	2.7	3.0	3.1	3.5	2.5	1.6						

Product : 9W LED BULB

	IEC / IS Standard	Instrument	Specification	MAKE LED-BMTC		Result	MAKE LED-HONGLI		Result	AKE LED-EVERSTAR		Result	Remark
				S-1	S-2		S-1	S-2		S-1	S-2		
Photometry Test(Initial)	IS16106-2012 or IES LM79-08	Integrating sphere	CCT	6500K ± 510K	6082	6066	Pass	6050	6034	Pass	6158	62098	BMTC, HONGLI & EVERSTAR LED (All photometric parameters) is ok as per specification.
			CRI (Ra)	> 80	80.2	80.1		80.3	80.0		80.0	80.2	
			Lumens	945±10%	934.36	938.74		929.43	938.48		923.05	905.52	
			Efficacy (Lm/W)	≥105	111.75	111.23		109.47	110.80		107.71	107.67	
			Power (W)	9W±10%	8.54	8.44		8.49	8.47		8.57	8.41	
			Power Factor	> 0.90	0.976	0.978		0.966	0.969		0.974	0.976	
SDCM	≤ 7	4.7	5.3	5.3	5.7	4.7	3.7						



EMDET ENGINEERS PVT. LTD.

Plot No-30,1/A HSIIDC

Industrial Area Dharuhera,

Rewari- 123106, Haryana

QUALITY ASSURANCE

PRODUCT TEST REPORT

DATE :28/10/2022

PRODUCT DESCRIPTION : LED Test report with 12W led Bulb

LED DETAILS : 1W 100mA 9V 140-145lm

NO. OF SAMPLE : 2 nos

Photometry Performance Test

Product : 12W LED BULB

	IEC / IS Standard	Instrument	Specification	MAKE LED-BMTC		MAKE LED-HONGLIAKE		LED-EVERSTAR		Result	Remark	
				S-1	S-2	S-1	S-2	S-1	S-2			
Photometry Test(Stable)	IS16106-2012 or IES LM79-08	Integrating sphere	CCT	6500K ± 510K	6178.00	6218.00	6122.00	6207.00	6314.00	6410.00	Pass	BMTC, HONGLI & EVERSTAR LED (All photometric parameters) is ok as per specification.
			CRI (Ra)	> 80	80.3	80.3	80.4	80.7	80.4	80.5		
			Lumens	1260±10%	1291.22	1258.00	1230.13	1196.20	1251.05	1198.30		
			Efficacy (Lm/W)	≥105	111.22	110.07	106.32	105.21	108.04	105.95		
			Power (W)	12±10%	11.61	11.52	11.57	11.57	11.58	11.31		
			Power Factor	> 0.90	0.960	0.963	0.963	0.961	0.967	0.964		
SDCM	≤ 7	4.6	3.9	4.6	4.3	2.1	3.2					

Product : 12W LED BULB

	IEC / IS Standard	Instrument	Specification	MAKE LED-BMTC		MAKE LED-HONGLIAKE		LED-EVERSTAR		Result	Remark	
				S-1	S-2	S-1	S-2	S-1	S-2			
Photometry Test(Initial)	IS16106-2012 or IES LM79-08	Integrating sphere	CCT	6500K ± 510K	6064	6082	6007	6037	6146	6234	Pass	BMTC, HONGLI & EVERSTAR LED (All photometric parameters) is ok as per specification.
			CRI (Ra)	> 80	80.1	80.2	80.0	80.1	80.1	80.0		
			Lumens	1260±10%	1374.34	1367.32	1359.94	1346.32	1356.09	1328.3		
			Efficacy (Lm/W)	≥105	116.27	116.19	114.76	114.58	114.53	112.85		
			Power (W)	12±10%	11.82	11.77	11.85	11.75	11.84	11.77		
			Power Factor	> 0.90	0.963	0.965	0.966	0.964	0.963	0.965		
SDCM	≤ 7	6.7	6.1	6.8	6.3	4.6	4.2					