Sr.No	Fabrication & installation of customized Lighting Fixtures of Sri Darbar Sahib - A	mritsar			
	Description	Qty	Units	Rate	Amount
	Supply Installation, Testing & commissioning of linear LED fixture of customised lengths (in existing teak wood moulding). the fixture must comply to EN 62031, IEC PAS 62717, EN 62471 -1, LM80, LM79 standards and should be as per followings specifications :-	76	meters		
	Livry standards and should be as per followings specifications				
	Length : customized as per site Physical size Width :- not greater then 10mm				
	Height :- not greater then 10mm				
	Luminance :- 600-800 lumens per meter				
	Operating voltage :- 24V DC (23 V <sub>min</sub> , 25 V <sub>max</sub> )				
	Maximum Power Not exceeding more than 10 watts / meter CCT :- 2700K				
	CRI > 85				
	Binning :- +/- 150K Max				
	Beam Angle :- 60 degree (Asymmetric Beam )				
	IR value > 780nm UV value < 380				
	Temperature rise in enclosed environment ( teakwood moulding) not greater than 20 degree centigrade				
	Lifetime: 50,000 hours @ L80 Analog Dimmable				
	Power Supplies For Above	8	nos		
	Rated for minimum 120Watts each	,			
	Out voltage: Constant voltage, 24 V DC				
	Out voltage tolerance: +/- 2%				
	IP Rating: IP20 rated				
	Protection class: Class II only Overload & short circuit protection: mandatory				
1.A	Safety standard: EN 61347-1, SELV equivalent according to EN 60065				
	Lifetime: 30,000 hours at TC max (+45 degree celsius point, 90% relative humidity, no condensation				
	Maximum allowed dimension: L x H x W :: 220-240 mm x 20-30 mm x 30-35 mm Power factor : > 0.5c				
	Efficiency : Greater than 85%				
	Inrush current : Ipeak = 20A / I <sup>2</sup> t = 0.08A <sup>2</sup> s				
	Supply Installation, Testing & commissioning of linear LED fixture of customized lengths (IP 67, UV protected, saltwater resistant, solvent resistant) must comply to EN 62031, IEC PAS 62717, EN 62471 -1, LM80, LM79 standards and should be as per followings specifications :-	4	nos		
	Physical size Width :- not greater then 25mm				
	Height :- not greater then 25mm Luminance :- 1000-1200 lumens				
	Operating voltage :- 24V DC (23 V <sub>min</sub> , 25 V <sub>max</sub> )				
2	Maximum power Not exceeding more then 20 watts				
	CCT :- 2700K				
	Ra :- CRI > 85				
	Binning :- +/- 75K Max Beam Angle :- 60 degree				
	symmetric Beam				
	ÍR value > 780nm				
	UV value < 380				
	Temperature rise not greater than 20 degrees centigrade Dimmable :- Non Dimmable				
	Power Supplies For Above	2	nos		
	Rated for minimum 50Watts each				
	Out voltage: Constant voltage, 24 V DC Out voltage tolerance: +/- 2%				
			L		
	IP Rating: IP20 rated Protection class: Class II only				
	IP Rating: IP20 rated Protection class: Class II only Overload & short circuit protection: mandatory				
	IP Rating: IP20 rated Protection class: Class II only Overload & short circuit protection: mandatory Safety standard: EN 61347-1, SELV equivalent according to EN 60065				
	IP Rating: IP20 rated Protection class: Class II only Overload & short circuit protection: mandatory				
	IP Rating: IP20 rated Protection class: Class II only Overload & short circuit protection: mandatory Safety standard: EN 61347-1, SELV equivalent according to EN 60065 Lifetime: 30,000 hours at TC max (+45 degree celsius point, 90% relative humidity, no condensation				
	IP Rating: IP20 rated Protection class: Class II only Overload & short circuit protection: mandatory Safety standard: EN 61347-1, SELV equivalent according to EN 60065 Lifetime: 30,000 hours at TC max (+45 degree celsius point, 90% relative humidity, no condensation Maximum allowed dimension: L x H x W :: 220-240 mm x 20-30 mm x 30-35 mm				
	IP Rating: IP20 rated Protection class: Class II only Overload & short circuit protection: mandatory Safety standard: EN 61347-1, SELV equivalent according to EN 60065 Lifetime: 30,000 hours at TC max (+45 degree celsius point, 90% relative humidity, no condensation				
	IP Rating: IP20 rated Protection class: Class II only Overload & short circuit protection: mandatory Safety standard: EN 61347-1, SELV equivalent according to EN 60065 Lifetime: 30,000 hours at TC max (+45 degree celsius point, 90% relative humidity, no condensation Maximum allowed dimension: L x H x W :: 220-240 mm x 20-30 mm x 30-35 mm Power factor : > 0.5c				
	IP Rating: IP20 rated Protection class: Class II only Overload & short circuit protection: mandatory Safety standard: EN 61347-1, SELV equivalent according to EN 60065 Lifetime: 30,000 hours at TC max (+45 degree celsius point, 90% relative humidity, no condensation Maximum allowed dimension: L x H x W :: 220-240 mm x 20-30 mm x 30-35 mm Power factor : > 0.5c Efficiency : Greater than 85%	12	meters		
	IP Rating: IP20 rated Protection class: Class II only Overload & short circuit protection: mandatory Safety standard: EN 61347-1, SELV equivalent according to EN 60065 Lifetime: 30,000 hours at TC max (+45 degree celsius point, 90% relative humidity, no condensation Maximum allowed dimension: L x H x W :: 220-240 mm x 20-30 mm x 30-35 mm Power factor : > 0.5c Efficiency : Greater than 85% Inrush current : Ipeak = 20A / I <sup>2</sup> t = 0.08A <sup>2</sup> s Supply Installation, Testing & commissioning of linear LED fixture of customised lengths. the fixture must comply to EN 62031 , IEC PAS 62717, EN 62471 -1, LM80, LM79 standards and should be as	12	meters		
	IP Rating: IP20 rated Protection class: Class II only Overload & short circuit protection: mandatory Safety standard: EN 61347-1, SELV equivalent according to EN 60065 Lifetime: 30,000 hours at TC max (+45 degree celsius point, 90% relative humidity, no condensation Maximum allowed dimension: L x H x W :: 220-240 mm x 20-30 mm x 30-35 mm Power factor : > 0.5c Efficiency : Greater than 85% Inrush current : Ipeak = 20A / I <sup>2</sup> t = 0.08A <sup>2</sup> s Supply Installation, Testing & commissioning of linear LED fixture of customised lengths. the fixture must comply to EN 62031 , IEC PAS 62717, EN 62471 -1, LM80, LM79 standards and should be as per followings specifications :- Length : customized as per site Physical size Width :- not greater then 10mm	12	meters		
	IP Rating: IP20 rated Protection class: Class II only Overload & short circuit protection: mandatory Safety standard: EN 61347-1, SELV equivalent according to EN 60065 Lifetime: 30,000 hours at TC max (+45 degree celsius point, 90% relative humidity, no condensation Maximum allowed dimension: L x H x W :: 220-240 mm x 20-30 mm x 30-35 mm Power factor : > 0.5c Efficiency : Greater than 85% Inrush current : Ipeak = 20A / I <sup>2</sup> t = 0.08A <sup>2</sup> s Supply Installation, Testing & commissioning of linear LED fixture of customised lengths. the fixture must comply to EN 62031 , IEC PAS 62717, EN 62471 -1, LM80, LM79 standards and should be as per followings specifications :- Length : customized as per site	12	meters		

3         Maximum power Met accelering more than 10 walts interf					r	
Res	3	Maximum power Not exceeding more then 10 watts /meter				
Bern Argie 1: 04 Signed Science         Image: Science	Ű	CCT :- 2700K				
Bern Argie 1: 04 Signed Science         Image: Science		Ra :- CRI > 85				
Beam Angle - 10 degree         Image - 10 degree         Image - 10 degree           Digble - Cauging Asymmetrics         Image - 200nm         Image - 200nm         Image - 200nm           IV value - 7 200nm         Image - 200nm         Image - 200nm         Image - 200nm         Image - 200nm           Dimmetric - An above of 1.00         Image - 200nm		Binning :- +/- 75K Max				
application         application         application         application           IR value < 580						
IR Augue > 780m         Image: a construction of the state of th						
UV. value < 380						
Temperature rise not preater than 20 degrees centigrade         Image: 2000 hours 31, 000           Dimmable - Analog Dimmable         Image: 2000 hours 31, 000           Power Supplies For Above         3           Refer for minimum SWMatts each         Image: 2000 hours 31, 000           Our voltage - Coordant voltage, 24 UC         Image: 2000 hours 31, 000           Our voltage - Coordant voltage, 24 UC         Image: 2000 hours 31, 000           Our voltage - Coordant voltage, 24 UC         Image: 2000 hours 31, 000           Our voltage - Ref or minimum SWMatts according to R0005         Image: 2000 hours 31, 000           Control 34, 84 tot circuit orthorization         Image: 2000 hours 31, 000           Prover factor - 20, 55         Image: 2000 hours 31, 000 hours 31,						
Lifetime: 50.000 hours (§ 1.00						
Dimmable         Analog Dimmable         Image: Strate Constant voltage: 24 V DC           Power Supplies For Above         3         nos           Dut voltage: Constant voltage: 24 V DC         1         1           Dut voltage: Constant voltage: 24 V DC         1         1           Dut voltage: Constant voltage: 24 V DC         1         1           Dut voltage: Constant voltage: 24 V DC         1         1           Deveload & State values         1         1         1           Power State values         1         1         1         1           Voltage: 24 voltage: 24 V DC         1         1         1         1           Voltage: 24 voltage: 24 V DC         1         1         1         1         1           Voltage: 24 voltage: 24 V DC         1 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td></td<>						
Power Supplies For Above         3         nos         1           Rated for minimum 50Wats each         1         1         1         1           Dur voltage: Constant voltage, 24 V DC         1         1         1         1           Dur voltage: Constant voltage, 24 V DC         1						
Rated for minimum 50Watts each       Image: Constant Voltage: 24 V DC         Out voltage: Constant Voltage: 24 V DC       Image: Constant Voltage: 24 V DC         Out voltage: Constant Voltage: 24 V DC       Image: 24 V DC         Out voltage: Constant Voltage: 24 V DC       Image: 24 V DC         Out voltage: Constant Voltage: 24 V DC       Image: 24 V DC         Status Stand Circl Torotechon: mandatory       Image: 24 V DC         Overload & Stand Circl Torotechon: mandatory       Image: 24 V DC         Status Stand Circl Torotechon: pack 20 V DC       Image: 24 V DC         Image: Image: Image: Image: 24 V DC       Image: 24 V DC         Supply Installation: Testing & commissioning of a customical LED Fixture, the shape & size of the future is a per drawing no: Circl Torotechon: Prove factor: > 0.5c       Image: 24 V DC         Reduct and the future is to be adeleging of an odd Torotechon: Prove factor: > 0.5c       Image: 25 V DC         Reduct and the future is to be adeleging of an odd Torotechon: Prove factor: > 0.5c       Image: 25 V DC         Image: Image: Image: 24 V DC (20 V Image: 24 V Image: 24 V DC       Image: 25 V DC         A operating voltage: 24 V DC (20 V Image: 24 V Image: 24 V Image: 24 V DC       Image: 25 V DC         Circ 1: 2005 Mol Image: 24 V DC (20 V Image: 24 V Image: 25 V Image:		Dimmable :- Analog Dimmable				
Rated for minimum 50Watts each       Image: Constant Voltage: 24 V DC         Out voltage: Constant Voltage: 24 V DC       Image: Constant Voltage: 24 V DC         Out voltage: Constant Voltage: 24 V DC       Image: 24 V DC         Out voltage: Constant Voltage: 24 V DC       Image: 24 V DC         Out voltage: Constant Voltage: 24 V DC       Image: 24 V DC         Status Stand Circl Torotechon: mandatory       Image: 24 V DC         Overload & Stand Circl Torotechon: mandatory       Image: 24 V DC         Status Stand Circl Torotechon: pack 20 V DC       Image: 24 V DC         Image: Image: Image: Image: 24 V DC       Image: 24 V DC         Supply Installation: Testing & commissioning of a customical LED Fixture, the shape & size of the future is a per drawing no: Circl Torotechon: Prove factor: > 0.5c       Image: 24 V DC         Reduct and the future is to be adeleging of an odd Torotechon: Prove factor: > 0.5c       Image: 25 V DC         Reduct and the future is to be adeleging of an odd Torotechon: Prove factor: > 0.5c       Image: 25 V DC         Image: Image: Image: 24 V DC (20 V Image: 24 V Image: 24 V DC       Image: 25 V DC         A operating voltage: 24 V DC (20 V Image: 24 V Image: 24 V Image: 24 V DC       Image: 25 V DC         Circ 1: 2005 Mol Image: 24 V DC (20 V Image: 24 V Image: 25 V Image:		Power Supplies For Above	З	nos		
Out voltage: Constant voltage, 24 V DC         Image: Constant voltage, 24 V DC           Out voltage: Constant voltage, 24 V DC         Image: Constant voltage, 24 V DC           Overlead & short clocul protection: mandatary         Image: Constant voltage, 24 V DC           Overlead & short clocul protection: mandatary         Image: Constant VDC           States valuation: E Nei 31/2, EU veguivalent according to EN 60065         Image: Constant VDC           Efficiency: Constant VDC         Image: Constant VDC           States valuation: Testing & Contrisotoning of a customize LED Fixture, the shape & size of the coldum Fixed VDC         Image: Constant VDC           States valuation: Testing & contrisotoning of a customize LED Fixture, the shape & size of the coldum Fixed VDC         Image: Coldum Fixed VDC           States valuation: Testing & contrisotoning of COC30.         Image: Coldum Fixed VDC         Image: Coldum Fixed VDC           States valuation: Testing & source Totaking no COC30.         Image: Coldum Fixed VDC         Image: Coldum Fixed VDC           Physical size As per Gravity         Image: Coldum Fixed VDC         Image: Coldum Fixed VDC         Image: Coldum Fixed VDC           CCT : 2006 K         Image: Coldum Fixed VDC         Image: Coldum Fixed VDC         Image: Coldum Fixed VDC           Ret cold trans at the Coldum Fixed VDC         Image: Coldum Fixed VDC         Image: Coldum Fixed VDC         Image: Coldum Fixed VDC           CD ret co			0	1103		
Outvoltage biterines: -/- 2%		Rated for minimum 50Watts each				
Outvoltage biterines: -/- 2%		Out veltage: Constant veltage: 24 V DC				
IP Relation: IE20 rated         Image: Class II only         Image: Class II only           Overfaad & short accult protection: mandatory         Image: Class II only         Image: Class II only           Safety standard: EN 61347-1 SELV equivalent according to EN 60065         Image: Class III only         Image: Class III only           Power factor: > 0.5c         Image: Class III only         Image: Class III only         Image: Class III only           Supply installation, resting A commit in brane is to be installed on top of the fame shown in Class'         Image: Class III only         Image: Class III only           Budge installation, resting A commit in brane is to be installed on top of the fame shown in Class'         Image: Class III only         Image: Class III only           Illustration of this is shown in class'         In the environment; and III only on control the incident IIII only         Image: Class III only         Image: Class III only           Illustration of this is shown in class'         In the incident IIII only         Image: Class III only         Image: Class IIII only         Image: Class IIII only         Image: Class IIII only         Image: Class IIII only         Image: Class IIIII only         Image: Class IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII						
Protection class: Class 1 only         Image: Class 2 only         Image: Class 2 only           3.A         Selfery standard: EN 01347-1, SELV equivalent according to EN 0005         Image: Class 2 only         I						
Overlead & short circuit protection: mandatory						
3.A       Safety standard: EN 61347-1, SELV equivalent according to EN 60065       Image: Control of Cont						
Lifetine: 30.000 hours at TC max (+45 degree celsius point, 90% relative humidity, no condensation Power factor: > 0.5c Efficiency: Creater than 85% Insush current: Ipeak = 20A / If = 0.08A% Supply Installation, Testing & commissioning of a customize LED Fixture, the shape & size of the fixture is as per drawing no. GT0201. The fixture is to be installed on top of the fan as shown in GT0202 & optics of the fixture is to se designed to avoid stroboscopic effect in the environment, and liustration of this is shown in drawing no. GT0201. The fixture is thall be IP40 & shall be in Golden Finish and must comply to EN 40201, IEC PAS 62717, EN 62471-1, LM80, LM79 standards and should be as the followings ascellitations: Physical size lake per GT0201 Well enceding 16-16 watts Control 1500 lumens Operating voltage: -24V DC (23 Vmc, 25 Vmc) Not enceding 16-16 watts Control 1600 lumens Display in Standards and should be Ream Angle & optics as per the lighting distribution suggested in GT0203 B shape -2780m UV value - 380 Power Supplies For Above Rate for minimum 20Watts each Durous @ L80 Dur		Overload & short circuit protection: mandatory				
Power factor: > 0.5c         Image: Comparison of the construct of the const	3.A	Safety standard: EN 61347-1, SELV equivalent according to EN 60065				
Power factor: > 0.5c         Image: Comparison of the construct of the const		Lifetime: 30.000 hours at TC max (+45 degree celsius point, 90% relative humidity, no condensation				
Efficiency:         Greater than 35%         Image: Control Tipe and 20A (1P = 0.08A)           Supply Installation, Testing & commissioning of a customize LED Fixture, the shape & size of the fixture is a be profraving no. CT0201. The fixture is to be installated on top of the fina as shown in GT0202 & optics of the fixture is to be so designed to avoid stroboscopic effect in the environment, and illustration of this is shown in drawing no GT0203. The fixture halb le 140 & datall be in Golden Finish and must comply to EN 80231. [EC PAS 82717, EN 82471 -1, LM80, LM79 standards and should be as enr followings securifications :-         Image: Control						
Efficiency:         Greater than 35%         Image: Control Tipe and 20A (1P = 0.08A)           Supply Installation, Testing & commissioning of a customize LED Fixture, the shape & size of the fixture is a be profraving no. CT0201. The fixture is to be installated on top of the fina as shown in GT0202 & optics of the fixture is to be so designed to avoid stroboscopic effect in the environment, and illustration of this is shown in drawing no GT0203. The fixture halb le 140 & datall be in Golden Finish and must comply to EN 80231. [EC PAS 82717, EN 82471 -1, LM80, LM79 standards and should be as enr followings securifications :-         Image: Control		Dowor factor : > 0.5o				
Invush current : Ipeak = 20A // If = 0.08A/s         Image: Supply Installation, Testing a commissioning of a customize LED Fixture, the shape & size of the fixture is to be ode-signed to avoid strobescopic effect tin the environment, and illustration of this is shown in drawing no GT0203. The fixture is a be installed on top of the fan as shown in GT0202 & optics of the fixture is to be ode-signed to avoid strobescopic effect tin the environment, and must comply to EN 60201 , IEC PAS 62717, EN 62471-1, LM80, LM79 standards and should be as ef followings specifications :-         Image: Imag						
Supply Installation. Testing & commissioning of a customize LED Fixture. the shape & size of the future is as per drawing no GT0201. The future is to be installed on tog of the fan as shown in GT0202 & optics of the fixture is to be so designed to avoid stroboscopic effect in the environment, and illustration of this is shown in drawing no GT0203. The future shalle be IAO shall be in Golden Finish and must comply to EN 62031. [EC PAS 62717, EN 62471 -1, LM80, LM79 standards and should be as exc fL00m/oss associfications :-         Image: Common the future is to be so designed to avoid stroboscopic effect in the environment, and illustration of this is shown to Cl 23 V <sub>ini</sub> . St V <sub>ini</sub> .           4         As per GT0201         Image: Cl 20 Vini Cl 23 V <sub>ini</sub> . St V <sub>ini</sub> .           10         COT := 2700K         Image: Cl 23 V <sub>ini</sub> .           R1 := CR1 > 85         Image: Cl 23 V <sub>ini</sub> .         Image: Cl 20 Vini Cl 23 V <sub>ini</sub> .           116 value > 780m         Image: Cl 20 Vini Cl 23 V <sub>ini</sub> .         Image: Cl 20 Vini Cl 23 V <sub>ini</sub> .           117 value < 380						
fixture is as per drawing no GT0201. The fixture is to be installed on top of the fan as shown in GT0203         18         nos           adjustration of this is shown in drawing no GT0203. The fixture shall be IP40 & shall be in Golden Finish and must comply to EN 6301. IEC PAS 62717. EN 62471-1, LM80, LM79 standards and should be a per following specifications :-         18         nos           Physical size         As per GT0201         -         -         -           Correlation of this is shown in drawing no GT0203. The fixture shall be IP40 & shall be in Golden Finish and must comply to EN 6201. IEC PAS 62717. EN 62471-1, LM80, LM79 standards and should be a per following specifications :-         -						
8 optics of the fixture is to be so designed to avoid stroboscopic effect in the environment, and illustration of this is shown in drawing no GT0203. The fixture shall be IPA 06 shall be in Goldmen Finish and must comply to EN 62031. [EC PAS 62717. EN 62471 -1, LM80, LM79 standards and should be as ber followings assedifications :-       Image: Complex com				1		
8 optics of the fixture is to be so designed to avoid stroboscopic effect in the environment, and illustration of this is shown in drawing no GT0203. The fixture shall be IPA 06 shall be in Goldmen Finish and must comply to EN 62031. [EC PAS 62717. EN 62471 -1, LM80, LM79 standards and should be as ber followings assedifications :-       Image: Complex com		fixture is as per drawing no.GT0201. The fixture is to be installed on top of the fan as shown in GT0202		1		
Illustration of this is shown in drawing no GT0203. The fixture shall be IP40 & shall be in Golden Finish and must comply to EN 6301. IEC PAS 62717, EN 62471-1, LM80, LM79 standards and should be as our followings specifications :-         Image: Standard Standard Standards and Should be as our followings specifications :-           Physical size         As per GT0201         Image: Standard			40			
and must comply to EN 82031, IEC PAS 62717, EN 62471-1, LM80, LM79 standards and should be as 0.ef 1004/mps seedifications ::		, , , , , , , , , , , , , , , , , , ,	18	nos		
as ner followings specifications :-         -						
Physical size         As per GT0201						
4         Luminance : 1200-1500 lumens		as ber followings specifications :-				-
4         Luminance : 1200-1500 lumens		Physical size As per GT0201				
4         Operating voltage : 24V DC (23 V <sub>min</sub> , 25 V <sub>max</sub> )         Image: 24V DC (23 V <sub>min</sub> , 25 V <sub>max</sub> )           Not exceeding 16-18 watts         Image: 2700K         Image: 2700K           Rai - CR1 > 85         Image: 24V DC (23 V <sub>min</sub> , 25 V <sub>max</sub> )         Image: 2700K           Binning : +-73K Max         Image: 24V DC (23 V <sub>min</sub> , 25 V <sub>max</sub> )         Image: 2700K           IV value < 380						
4         Not exceeding 16-18 watts         Image: Section 2000           CCT: : 2700K         Image: Section 2000         Image: Section 2000           Ra : CRI> 86         Image: Section 2000         Image: Section 2000           Beam Angle & optics as per the lighting distribution suggested in GT0203         Image: Section 2000         Image: Section 2000           UV value < 380						
Not exceeding 16-18 watts		Operating voltage :- 24V DC (23 V <sub>min</sub> , 25 V <sub>max</sub> )				
CCT : 2700K         Image: -VI - 75K Max           Beam Angle & optics as per the lighting distribution suggested in GT0203         Image: -VI - 75K Max           Beam Angle & optics as per the lighting distribution suggested in GT0203         Image: -VI - 75K Max           Beam Angle & optics as per the lighting distribution suggested in GT0203         Image: -VI - 75K Max           UV value < 380	4	Not exceeding 16-18 watts				
Ra : CR1 > 85						
Binning: -+/-75K Max         Image: Section 278 Max         Image: Section 278 Max           Beam Angle & optics as per the lighting distribution suggested in GT0203         Image: Section 278 Max         Image: Section 278 Max           IR value < 380						
Beam Angle & optics as per the lighting distribution suggested in GT0203     In     In       IR value < 380						
IX       value > 780nm       Image: State of greater than 20 degrees centigrade       Image: State of greater than 20 degrees centigrade         Lifetime: 50.000 hours @ L80       Image: State of greater than 20 degrees centigrade       Image: State of greater than 20 degrees centigrade         Dimmable :-Non Dimmable       Image: State of greater than 20 degrees centigrade       Image: State of greater than 20 degrees centigrade         Power Supplies For Above       18       nos         Rated for minimum 20Watts each       Image: State of greater than 20 degrees centigrade       Image: State of greater than 20 degrees centigrade         Out voltage: Constant voltage, 24 V DC       Image: State of greater than 20 degrees centigrade       Image: State of greater than 20 degrees centigrade         Protection class: Class II only       Image: State of Greater than 20 degrees centigrade       Image: State of Greater than 20 degrees centigrade         Voverload & short circuit protection: mandatory       Image: State of Greater than 25%       Image: State of Greater than 25%         Inrush current : Ipeak = 20A / IPt = 0.08A*s       Image: State of Greater than 25%       Image: State of Greater than 25%         Inrush current : Ipeak = 20A / IPt = 0.08A*s       Image: State of Greater than 25%       Image: State of Greater than 25%         Inrush current : Ipeak = 20A / IPt = 0.08A*s       Image: State of Greater than 25%       Image: State of Greater than 25%         Inrush current the installation s						
UV value < 380						
Temperature rise not greater than 20 degrees centigrade           Lifetime: S0.000 hours @ L80           Dimmable :- Non Dimmable           Power Supplies For Above       18       nos         Rated for minimum 20Watts each           Out voltage: Constant voltage, 24 V DC           Out voltage tolerance: '+ 2%           IP Rating: IP20 rated           Protection class: Class II only           Overfoad & short circuit protection: mandatory           Safety standard: EN 61347-1, SELV equivalent according to EN 60065           Lifetime: S0.000 hours at TC max (+45 degree celsius point, 90% relative humidity, no condensation           Power factor: > 0.5c             Efficiency: Greater than 85%             Inrush current: Ipeak = 20A / It = 0.08A*S             Supply Installation, Fasting & commissioning of customized linear LED Wall Mounted fixture with upward and downward Lighting component. The shape & the size of the fixture is as per drawing of Gr0204. The suggested optics of the fixture are shown in drawing no. Gr0205. The fixture shallb be in goten fixture shall be It PA dand m						
Lifetime: 50,000 hours @L80         Image: 50,000 hours @L80         Image: 50,000 hours @L80           Dimmable :- Non Dimmable         Image: 50,000 hours @L80         Image: 50,000 hours at To main and atory         Image: 50,000 hours at To mandatory         Image: 50,000 hours at TC max (+45 degree celsius point, 90% relative humidity, no condensation         Image: 50,000 hours at TC max (+45 degree celsius point, 90% relative humidity, no condensation         Image: 50,000 hours at TC max (+45 degree celsius point, 90% relative humidity, no condensation         Image: 50,000 hours at TC max (+45 degree celsius point, 90% relative humidity, no condensation         Image: 50,000 hours at TC max (+45 degree celsius point, 90% relative humidity, no condensation         Image: 50,000 hours at TC max (+45 degree celsius point, 90% relative humidity, no condensation         Image: 50,000 hours at TC max (+45 degree celsius point, 90% relative humidity, no condensation         Image: 50,000 hours at TC max (+45 degree celsius point, 90% relative humidity, no condensation         Image: 50,000 hours at TC max (+45 degree celsius point, 90% relative humidity, no condensation         Image: 50,000 hours at TC max (+45 degree celsius point, 90% relative humidity, no condensation         Image: 50,000 hours at TC max (+45 degree celsius point, 90% relative humidity, no condensation         Image: 50,000 hours at TC max (+45 degree celsius point, 90% relative humidity, no condensation         Image: 50,000 hours at TC max		UV value < 380				
Dimmable :- Non Dimmable       Image: Non Dimmable       Image: Non Dimmable       Image: Non Dimmable         Power Supplies For Above       18       nos       Image: Non Dimmable       Image: Non Dimage: Non Dimmable       Image: Non D		Temperature rise not greater than 20 degrees centigrade				
Dimmable :- Non Dimmable       Image: Non Dimmable       Image: Non Dimmable       Image: Non Dimmable         Power Supplies For Above       18       nos       Image: Non Dimmable       Image: Non Dimage: Non Dimmable       Image: Non D		Lifetime: 50.000 hours @ L80				
Power Supplies For Above         18         nos         Image: Network Strength Strengt Strengt Strength Strength Strength Strength Strengt Strength St						
Rated for minimum 20Watts each       Image: Constant voltage, 24 V DC       Image: Constant voltage, 24 V DC         Out voltage: Constant voltage, 24 V DC       Image: Constant voltage, 24 V DC       Image: Constant voltage, 24 V DC         Ut voltage: Delerance: +/- 2%       Image: Constant voltage, 24 V DC       Image: Constant voltage, 24 V DC         IP Rating: IP20 rated       Image: Constant voltage, 24 V DC       Image: Constant voltage, 24 V DC         Overload & short circuit protection: mandatory       Image: Constant voltage, 24 V DC       Image: Constant voltage, 24 V DC         Verload & short circuit protection: mandatory       Image: Constant voltage, 24 V DC       Image: Constant voltage, 24 V DC         4.A       Safety standard: EN 61347-1, SELV equivalent according to EN 60065       Image: Constant voltage, 24 V DC       Image: Constant voltage, 24 V DC         Power factor: > 0.5C       Efficiency: Greater than 85%       Imrush current: Ipeak = 20A / I*t = 0.08A*s       Image: Constant easing a commissioning of customized linear LED Wall Mounted fixture with upward and downward Lighting component. The shape & the size of the fixture is as per drawing GT0204. The suggested optics of the fixture are shown in drawing no. GT0205. The fixture shall be in older finish to match the installation space and shall be IP40 and must comply to EN 62031, IEC       Image: Constant the installation space and shall be IP40 and must comply to EN 62031, IEC       Image: Constant the installation space and shall be IP40 and must comply to EN 62031, IEC       Image: Constant the installation space and shall be IP40 an			4.0			
Out voltage: Constant voltage, 24 V DC       Image: Constant voltage, 24 V DC         Out voltage tolerance: +/- 2%       Image: Constant voltage, 24 V DC         IP Rating: IP20 rated       Image: Constant voltage, 24 V DC         Protection class: Class II only       Image: Constant voltage, 24 V DC         Overload & short circuit protection: mandatory       Image: Constant voltage, 24 V DC         A. Safety standard: EN 61347-1, SELV equivalent according to EN 60065       Image: Constant voltage, 24 V DC         Lifetime: 30,000 hours at TC max (+45 degree celsius point, 90% relative humidity, no condensation       Image: Constant voltage, 24 V DC         Power factor : > 0.5c       Image: Constant voltage, 24 V DC       Image: Constant voltage, 24 V DC         Supply Installation, Testing & commissioning of customized linear LED Wall Mounted fixture with upward and downward Lighting component. The shape & the size of the fixture shall be in golden finish to match the installation space and shall be IP40 and must comply to EN 62031, IEC       Image: Constant Voltage (Constant)         Physical size       As per GT0204       Image: Constant Voltage (Constant)       Image: Constant Voltage (Constant)         Constant voltage (Constant)       Image: Constant Voltage (Constant)       Image: Constant Voltage (Constant)       Image: Constant Voltage: Constant)         Supply Installation, Testing & commissioning of customized linear LED Wall Mounted fixture with upward and downward Lighting component. The shape & the size of the fixture and police (Constant) <td></td> <td>Power Supplies For Above</td> <td>18</td> <td>nos</td> <td></td> <td></td>		Power Supplies For Above	18	nos		
Out voltage: Constant voltage, 24 V DC       Image: Constant voltage, 24 V DC         Out voltage tolerance: +/- 2%       Image: Constant voltage, 24 V DC         IP Rating: IP20 rated       Image: Constant voltage, 24 V DC         Protection class: Class II only       Image: Constant voltage, 24 V DC         Overload & short circuit protection: mandatory       Image: Constant voltage, 24 V DC         A. Safety standard: EN 61347-1, SELV equivalent according to EN 60065       Image: Constant voltage, 24 V DC         Lifetime: 30,000 hours at TC max (+45 degree celsius point, 90% relative humidity, no condensation       Image: Constant voltage, 24 V DC         Power factor : > 0.5c       Image: Constant voltage, 24 V DC       Image: Constant voltage, 24 V DC         Supply Installation, Testing & commissioning of customized linear LED Wall Mounted fixture with upward and downward Lighting component. The shape & the size of the fixture shall be in golden finish to match the installation space and shall be IP40 and must comply to EN 62031, IEC       Image: Constant Voltage (Constant)         Physical size       As per GT0204       Image: Constant Voltage (Constant)       Image: Constant Voltage (Constant)         Constant voltage (Constant)       Image: Constant Voltage (Constant)       Image: Constant Voltage (Constant)       Image: Constant Voltage: Constant)         Supply Installation, Testing & commissioning of customized linear LED Wall Mounted fixture with upward and downward Lighting component. The shape & the size of the fixture and police (Constant) <td></td> <td>Poted for minimum 20Watts each</td> <td></td> <td></td> <td></td> <td></td>		Poted for minimum 20Watts each				
Out voltage tolerance: +/- 2%       Image: P20 rated         IP Rating: IP20 rated       Image: P20 rated         Protection class: Class II only       Image: P20 rated         Overload & short circuit protection: mandatory       Image: P20 rated         Overload & short circuit protection: mandatory       Image: P20 rated         Overload & short circuit protection: mandatory       Image: P20 rated         Deverload & short circuit protection: mandatory       Image: P20 rated         Power factor: > 0.5c       Image: P20 rated         Efficiency: Greater than 85%       Image: P20 rated         Inrush current: Ipeak = 20A / I*t = 0.08A*s       Image: P20 rated         Supply Installation, Testing & commissioning of customized linear LED Wall Mounted fixture with upward and downward Lighting component. The shape & the size of the fixture is as per drawing g0/den finish to match the installation space and shall be IP40 and must comply to EN 62031, IEC       PAS 62717, EN 62471 -1, LM80, LM79 standards as per Given detail Drawing and following specifications         Physical size       As per GT0204       Image: P2 24V DC (23 Vmin, 25 Vmax)         Iuminance :- as suggested in GT0205       Image: P2 24V DC (23 Vmin, 25 Vmax)       Image: P2						
IP Rating: IP20 rated       Image: IP20 rated       Image: IP20 rated         Protection class: Class II only       Image: IP20 rated       Image: IP20 rated         Overload & short circuit protection: mandatory       Image: IP20 rated       Image: IP20 rated         4.A       Safety standard: EN 61347-1, SELV equivalent according to EN 60065       Image: IP20 rated       Image: IP20 rated         Ifetime: 30,000 hours at TC max (+45 degree celsius point, 90% relative humidity, no condensation       Image: IP20 rated       Image: IP20 rated         Power factor: > 0.5c       Image: IP20 rated rate rate rate rate rate rate rate rate		Out voltage: Constant voltage, 24 V DC				
Protection class: Class II only         Image: Class II only         Image: Class II only         Image: Class II only           4.A         Safety standard: EN 61347-1, SELV equivalent according to EN 60065         Image: Class II only         Image: Class II only           4.A         Safety standard: EN 61347-1, SELV equivalent according to EN 60065         Image: Class II only         Image: Class II only           Power factor: > 0.5c         Image: Class II only         Image: Class II only         Image: Class II only           Power factor: > 0.5c         Image: Class II only         Image: Class II only         Image: Class II only           Power factor: > 0.5c         Image: Class II only         Image: Class II only         Image: Class II only         Image: Class II only           Power factor: > 0.5c         Image: Class II only           Supply Installation, Testing & commissioning of customized linear LED Wall Mounted fixture with upward and downward Lighting component. The shape & the size of the fixture shall be in golden finish to match the installation space and shall be IP40 and must comply to EN 62031, IEC         Image: Class II only         Image: Class II only           Physical size         As per GT0204         Image: Class II only         Image: Class II only         Image: Class II only         Image: Class II only           Image: Class ugge		Out voltage tolerance: +/- 2%				
Protection class: Class II only         Image: Class II only         Image: Class II only         Image: Class II only           4.A         Safety standard: EN 61347-1, SELV equivalent according to EN 60065         Image: Class II only         Image: Class II only           4.A         Safety standard: EN 61347-1, SELV equivalent according to EN 60065         Image: Class II only         Image: Class II only           Power factor: > 0.5c         Image: Class II only         Image: Class II only         Image: Class II only           Power factor: > 0.5c         Image: Class II only         Image: Class II only         Image: Class II only           Power factor: > 0.5c         Image: Class II only         Image: Class II only         Image: Class II only         Image: Class II only           Power factor: > 0.5c         Image: Class II only           Supply Installation, Testing & commissioning of customized linear LED Wall Mounted fixture with upward and downward Lighting component. The shape & the size of the fixture shall be in golden finish to match the installation space and shall be IP40 and must comply to EN 62031, IEC         Image: Class II only         Image: Class II only           Physical size         As per GT0204         Image: Class II only         Image: Class II only         Image: Class II only         Image: Class II only           Image: Class ugge		IP Rating: IP20 rated				
4.A         Overload & short circuit protection: mandatory         Image: constraint of the start of the st		Protection class: Class II only				
4.A       Safety standard: EN 61347-1, SELV equivalent according to EN 60065       Image: Content of the state o				1	1	
Lifetime: 30,000 hours at TC max (+45 degree celsius point, 90% relative humidity, no condensation       Image: constraint of the state of the stat						
Power factor : > 0.5c         Image: Constraint of the state of the state of the state of the state of the fixture with upward and downward Lighting component. The shape & the size of the fixture is as per drawing GT0204. The suggested optics of the fixture are shown in drawing no.GT0205. The fixture shall be in golden finish to match the installation space and shall be IP40 and must comply to EN 62031, IEC PAS 62717, EN 62471 -1, LM80, LM79 standards as per Given detail Drawing and following specifications         6         nos           Physical size         As per GT0204         Image: Constraint of the state of the fixture state of the fi	4.A					
Efficiency : Greater than 85%       Inrush current : Ipeak = 20A / I*t = 0.08A*s       Image: Commissioning of customized linear LED Wall Mounted fixture with upward and downward Lighting component. The shape & the size of the fixture is as per drawing GT0204. The suggested optics of the fixture are shown in drawing no.GT0205. The fixture shall be in golden finish to match the installation space and shall be IP40 and must comply to EN 62031, IEC PAS 62717, EN 62471 -1, LM80, LM79 standards as per Given detail Drawing and following specifications       6       nos         Physical size       As per GT0204       Image: As per GT0204       Image: Commission of		Liteume. 30,000 nours at 10 max (+45 degree ceisius point, 90% relative numidity, no condensation				
Efficiency : Greater than 85%       Inrush current : Ipeak = 20A / I*t = 0.08A*s       Image: Commissioning of customized linear LED Wall Mounted fixture with upward and downward Lighting component. The shape & the size of the fixture is as per drawing GT0204. The suggested optics of the fixture are shown in drawing no.GT0205. The fixture shall be in golden finish to match the installation space and shall be IP40 and must comply to EN 62031, IEC PAS 62717, EN 62471 -1, LM80, LM79 standards as per Given detail Drawing and following specifications       6       nos         Physical size       As per GT0204       Image: As per GT0204       Image: Commission of						
Efficiency : Greater than 85%       Inrush current : Ipeak = 20A / I*t = 0.08A*s       Image: Commissioning of customized linear LED Wall Mounted fixture with upward and downward Lighting component. The shape & the size of the fixture is as per drawing GT0204. The suggested optics of the fixture are shown in drawing no.GT0205. The fixture shall be in golden finish to match the installation space and shall be IP40 and must comply to EN 62031, IEC PAS 62717, EN 62471 -1, LM80, LM79 standards as per Given detail Drawing and following specifications       6       nos         Physical size       As per GT0204       Image: As per GT0204       Image: Commission of		Power factor : > 0.5c				
Inrush current : Ipeak = 20A / I²t = 0.08A²s       Imush current : Ipeak = 20A / I²t = 0.08A²s         Supply Installation, Testing & commissioning of customized linear LED Wall Mounted fixture with upward and downward Lighting component. The shape & the size of the fixture is as per drawing of GT0204. The suggested optics of the fixture are shown in drawing no.GT0205. The fixture shall be in golden finish to match the installation space and shall be IP40 and must comply to EN 62031, IEC PAS 62717, EN 62471 -1, LM80, LM79 standards as per Given detail Drawing and following specifications.       6       nos         Physical size       As per GT0204       Imush current = 200 mush comply to EN 62031, IEC PAS 62717, EN 62471 -1, LM80, LM79 standards as per Given detail Drawing and following specifications.       Imush current = 200 mush complexity of EN 62031, IEC PAS 62717, EN 62471 -1, LM80, LM79 standards as per Given detail Drawing and following specifications.       6       Imush current = 200 mush complexity of EN 62031, IEC PAS 62717, EN 62471 -1, LM80, LM79 standards as per Given detail Drawing and following specifications.       6       Imush current = 200 mush complexity of EN 62031, IEC PAS 62717, EN 62471 -1, LM80, LM79 standards as per Given detail Drawing and following specifications.       6       Imush current = 200 mush complexity of EN 62031, IEC PAS 62717, EN 62471 -1, LM80, LM79 standards as per Given detail Drawing and following specifications.       6       Imush current = 200 mush complexity of EN 62031, IEC PAS 62717, EN 62471 -1, LM80, LM79 standards as per Given detail Drawing and following specifications.       6       Imush current = 200 mush complexity of EN 62031, IEC PAS 62717, EN 62471 -1, LM80, LM79 standards as per Given detail Drawing and following specifica						
Supply Installation, Testing & commissioning of customized linear LED Wall Mounted fixture with upward and downward Lighting component. The shape & the size of the fixture is as per drawing GT0204. The suggested optics of the fixture are shown in drawing no.GT0205. The fixture shall be in golden finish to match the installation space and shall be IP40 and must comply to EN 62031, IEC PAS 62717, EN 62471 -1, LM80, LM79 standards as per Given detail Drawing and following specifications.       6       nos         Physical size       As per GT0204				l	1	
upward and downward Lighting component. The shape & the size of the fixture is as per drawing       6       nos         gT0204. The suggested optics of the fixture are shown in drawing no.GT0205. The fixture shall be in golden finish to match the installation space and shall be IP40 and must comply to EN 62031, IEC       6       nos         PAS 62717, EN 62471 -1, LM80, LM79 standards as per Given detail Drawing and following specifications       6       nos         Physical size       As per GT0204       -       -       -         Luminance :- as suggested in GT0205       -       -       -       -         Operating voltage :- 24V DC (23 V <sub>min</sub> , 25 V <sub>max</sub> )       -       -       -       -         Not exceeding 16-18 watts       -       -       -       -       -         CCT :- 2700K       - <td></td> <td></td> <td></td> <td>l</td> <td>l</td> <td></td>				l	l	
GT0204. The suggested optics of the fixture are shown in drawing no.GT0205. The fixture shall be in golden finish to match the installation space and shall be IP40 and must comply to EN 62031, IEC PAS 62717, EN 62471 -1, LM80, LM79 standards as per Given detail Drawing and following specifications       6       nos         PAS 62717, EN 62471 -1, LM80, LM79 standards as per Given detail Drawing and following specifications       6       nos         Physical size       As per GT0204				1		
golden finish to match the installation space and shall be IP40 and must comply to EN 62031, IEC         0         IIUS           PAS 62717, EN 62471 -1, LM80, LM79 standards as per Given detail Drawing and following         0         IIUS           specifications				1		
PAS 62717, EN 62471 -1, LM80, LM79 standards as per Given detail Drawing and following			6	nos		
snecifications         Image: Control of the second se				1		
Physical size         As per GT0204         Image: Control of the second				1		
Luminance :- as suggested in GT0205         Image: Constraint of the second		specifications				
Luminance :- as suggested in GT0205         Image: Constraint of the second						
5         Operating voltage :- 24V DC (23 V <sub>min</sub> , 25 V <sub>max</sub> )		Physical size As per GT0204				
5         Operating voltage :- 24V DC (23 V <sub>min</sub> , 25 V <sub>max</sub> )						
5         Operating voltage :- 24V DC (23 V <sub>min</sub> , 25 V <sub>max</sub> )		Luminance :- as suggested in GT0205				
5         Not exceeding 16-18 watts					i	
CCT :- 2700K	5					
Ra :- CRI > 85						
Binning :- +/- 75K (single Bin )		CCT :- 2700K				
Beam Angle :- As suggested in GT0205						
Beam Angle :- As suggested in GT0205		Binning :- +/- 75K (single Bin )				
Optics :- As suggested in GT0205						
IR value > 780nm					1	
UV value < 380				1		
Liemperature rise not greater than 20 degrees centigrade						
		remperature rise not greater than 20 degrees centigrade			I	l

	Lifetime: 50,000 hours @ 1,80			
	Lifetime: 50,000 hours @ L80 Dimmable :- Analog Dimmable			
	Power Supplies For Above	12	nos	
	Rated for minimum 120Watts each			
	Out voltage: Constant voltage, 24 V DC			
	Out voltage tolerance: +/- 2%			
	IP Rating: IP20 rated			
	Protection class: Class II only			
	Overload & short circuit protection: mandatory			
5.A	Safety standard: EN 61347-1, SELV equivalent according to EN 60065			
	Lifetime: 30,000 hours at TC max (+45 degree celsius point, 90% relative humidity, no condensation			
	Power factor : > 0.5c			
	Efficiency : Greater than 85%			
	Inrush current : Ipeak = 20A / I <sup>2</sup> t = 0.08A <sup>2</sup> s			
	Supply Installation, Testing & commissioning of customized linear LED Wall Mounted fixture with downward lighting component. The shape & the size of the fixture is as per drawing GT0206. The suggested optics of the fixture are shown in drawing no.GT0207. The fixture shall be in golden finish to match the installation space and shall be IP40 and must comply to EN 62031, IEC PAS 62717, EN 62471 -1, LM80, LM79 standards as per Given detail Drawing and following specifications	18	nos	
	Physical size As per GT0206			
	Luminance :-1200-1400 lumens			
•	operating voltage :- 24V DC (23 V <sub>min</sub> , 25 V <sub>max</sub> )			
6	Wattage :- 16-18 watts			
	CCT :- 2700K			
	Ra :- CRI > 85			
	Binning :- +/- 75K (single Bin )			
	Beam Angle :- Asymmetric Beam			
	Optics :- As per GT0207			
	IR value > 780nm			
	UV value < 380			
	Temperature rise not greater than 20 degrees centigrade			
	Lifetime: 50,000 hours @ L80			
	Dimmable :- Analog Dimmable			
	Power Supplies For Above	18	nos	
	Rated for minimum 20Watts each			
_	Out voltage: Constant voltage, 24 V DC			
	Out voltage tolerance: +/- 2%			
	IP Rating: IP20 rated			
	Protection class: Class II only			
	Overload & short circuit protection: mandatory			
6.A	Safety standard: EN 61347-1, SELV equivalent according to EN 60065			
	Lifetime: 30,000 hours at TC max (+45 degree celsius point, 90% relative humidity, no condensation			
	Power factor : > 0.5c			
	Efficiency : Greater than 85%			
	Inrush current : Ipeak = 20A / I <sup>2</sup> t = 0.08A <sup>2</sup> s			
	Total			