

**PRICE FORMAT FOR SUPPLY  
2 X 660 MW SURATGARH STPS - STATION LIGHTING SYSTEM**

ITEM NO.	DESCRIPTION - MAIN EQUIPMENT	UNIT	TOTAL QUNATITY	INDIAN BIDDER					FOREIGN BIDDER					
				UNIT EX-WORKS PRICE (INR)	TOTAL EX-WORKS PRICE (INR)	EXCISE DUTY NIL	CST/VAT@....% (As applicable) (INR)	FREIGHT CHARGES (Including Service tax @ applicable rate)- to be quoted as % of Ex-Works	TOTAL F.O.R. SITE PRICE	UNIT FOB PRICE (Currency)	TOTAL FOB PRICE (Currency)	Marine Freight (Marine Insurance by BHEL) (Currency)	Custom Duty (Currency)	Inland Freight & Port Clearance Charged etc (Currency)
1.0	Lighting Distribution Board (LDB)													
1.1	AC LDB Type LDB-H (12)													
1.1.1	AC LDB Type LDB-H (12) without transformer (including cubicle suitable for 1 no. 100 kVA transformer)	Nos.	18											
1.1.2	100kVA transformer for housing in 1.1.1	Nos.	18											
1.2	AC LDB Type LDB-F (8)													
1.2.1	AC LDB Type LDB-F (8) without transformer (including cubicle suitable for 1 no. 50 kVA transformer)	Nos.	13											
1.2.2	50kVA transformer for housing in 1.2.1	Nos.	13											
1.3	DC LDB Type LDB-D (12)	Nos.	4											
1.4	AC WDB Type WDB-H (12)													
1.4.1	AC WDB TYPE WDB-H (12) without transformer (including cubicle suitable for 1 no. 100 kVA transformer)	Nos.	2											
1.4.2	100kVA transformer for housing in 1.4.1	Nos.	2											
2.0	Lighting Panels (LP)													
2.1	AC Normal /Emergency indoor Type LP – A (6) [with timer]	Nos.	8											
2.2	AC Normal (Decorative) Type LP – A (6)	Nos.	4											
2.3	AC Normal /Emergency indoor Type LP – A (12) [with timer]	Nos.	40											
2.4	AC Normal /Emergency outdoor Type LP – A (12) [with timer]	Nos.	12											
2.5	AC Normal (Decorative) Type LP – A (12)	Nos.	30											
2.6	AC Normal /Emergency indoor Type LP – A (18) [with timer]	Nos.	25											
2.7	AC Normal /Emergency outdoor Type LP – A (18) [with timer]	Nos.	44											
2.8	DC indoor Type LP – D (6)	Nos.	14											
2.9	DC outdoor Type LP – D (6)	Nos.	8											
2.10	Street Lighting Type LP – S (6)	Nos.	10											
2.11	Remote control panel	Nos.	1											

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ITEM NO.	DESCRIPTION - MAIN EQUIPMENT	UNIT	TOTAL QUANTITY	INDIAN BIDDER					FOREIGN BIDDER						
				UNIT EX-WORKS PRICE (INR)	TOTAL EX-WORKS PRICE (INR)	EXCISE DUTY NIL	CST/VAT@....% (As applicable) (INR)	FREIGHT CHARGES (Including Service tax @ applicable rate)- to be quoted as % of Ex-Works	TOTAL F.O.R. SITE PRICE	UNIT FOB PRICE (Currency)	TOTAL FOB PRICE (Currency)	Marine Freight Insurance by BHEL (Currency)	Custom Duty (Currency)	Inland Freight & Port Clearance Charged etc (Currency)	Total F.O.R. Site Price (Currency)
3.0	Lighting Luminaires (complete with accessories) (*) Bidder type reference)														
3.1	Type FC02 : (*)	Nos.	321												
3.2	Type FC06 (*)	Nos.	1125												
3.3	Type FC26 (*)	Nos.	1565												
3.4	Type FC81 (*)	Nos.	208												
3.5	Type FC32 (*)	Nos.	377												
3.6	Type TB22 (*)	Nos.	180												
3.7	Type TX04 (*)	Nos.	45												
3.8	Type TW41 (*)	Nos.	304												
3.9	Type SF63 (*)	Nos.	73												
3.10	Type SF64 (*)	Nos.	65												
3.11	Type SF66 (*)	Nos.	107												
3.12	Type SB11 (*)	Nos.	114												
3.13	Type SB02 (*)	Nos.	426												
3.14	Type SB03 (*)	Nos.	100												
3.15	Type SS62 (*)	Nos.	588												
3.16	Type SS63 (*)	Nos.	206												
3.17	Type SW41 (*) [with integral OG box ]	Nos.	7112												
3.18	Type SW42 (*) [with integral OG box ]	Nos.	1268												
3.19	Type MW96 (*)	Nos.	280												
3.20	Type MW98 (*)	Nos.	36												
3.21	Dichroic spot light fixture (For Halogen lamp)	Nos.	30												
4.0	Lighting Lamp														
4.1	28W,15 lamp	Nos.	7192												
4.2	100W Incandescent lamp	Nos.	484												
4.3	100W Compialux lamp	Nos.	45												
4.4	70W HPSV lamp (SON-E)	Nos.	7112												
4.5	150W HPSV lamp (SON-E)	Nos.	1382												
4.6	250W HPSV lamp (SON-E)	Nos.	499												
4.7	400W HPSV lamp (SON-E)	Nos.	379												

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ITEM NO.	DESCRIPTION - MAIN EQUIPMENT	UNIT	TOTAL QUANTITY	INDIAN BIDDER					FOREIGN BIDDER					
				UNIT EX-WORKS PRICE (INR)	TOTAL EX-WORKS PRICE (INR)	EXCISE DUTY NIL	CST/VAT@....% (As applicable) (INR)	FREIGHT CHARGES (Including Service tax @ applicable rate)- to be quoted as % of Ex-Works	TOTAL F.O.R. SITE PRICE	UNIT FOB PRICE (Currency)	TOTAL FOB PRICE (Currency)	Marine Freight (Marine Insurance by BHEL) (Currency)	Custom Duty (Currency)	Inland Freight & Port Clearance Charged etc) (Currency)
4.8	125W HPMV lamp (SON-E)	Nos.	316			NIL AGAINST PAC (REFER CLAUSE NO. 27 OF SPECIAL CONDITIONS OF CONTRACT)								
4.9	12V, 50W Dichroic lamp	Nos.	30											
4.10	150W HPSV lamp (SON-T)	Nos.	588											
4.11	250W HPSV lamp (SON-T)	Nos.	206											
5.0	Switch boxes for individual control of circuits													
	Switchboards consisting of switch boxes, switches, switch plates and fixing accessories.													
5.1	Type SWB1	Nos.	290											
5.2	Type SWB2	Nos.	133											
5.3	Type SWB3	Nos.	60											
6.0	Junction boxes													
6.1	Type JB-F	Nos.	11500											
6.2	Type JB-FE	Nos.	180											
6.3	Type JB-S	Nos.	492											
7.0	Receptacles													
7.1	Type RA	Nos.	512											
7.2	Type RA (Flame proof)	Nos.	20											
7.3	Type RB	Nos.	537											
7.4	Type RC	Nos.	85											
8.0	Ceiling fans with electronic regulators													
8.1	1200 mm sweep	Nos.	40											
9.0	Emergency lighting Units													
	With Ni-Cd battery and 2X10W fluorescent lamp	Nos.	50											
10.0	24V supply module & lamp unit complete with all accessories													
10.1	Fix type 24V supply modules	Nos.	22											

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PRICE FORMAT FOR SUPPLY  
2 X 660 MW SURATGARH STPS - STATION LIGHTING SYSTEM

ITEM NO.	DESCRIPTION - MAIN EQUIPMENT	UNIT	TOTAL QUNATITY	INDIAN BIDDER					FOREIGN BIDDER						
				UNIT EX-WORKS PRICE (INR)	TOTAL EX-WORKS PRICE (INR)	EXCISE DUTY NIL	CST/VAT@....% (As applicable) (INR)	FREIGHT CHARGES (Including Service tax @ applicable rate)- to be quoted as % of Ex-Works	TOTAL F.O.R. SITE PRICE	UNIT FOB PRICE (Currency)	TOTAL FOB PRICE (Currency)	Marine Freight (Marine Insurance by BHEL) (Currency)	Custom Duty (Currency)	Inland Freight & Port Clearance Charged etc) (Currency)	Total F.O.R. Site Price (Currency)
10.2	Portable type 24V supply modules	Nos.	10												
10.3	Portable halogen lamp unit	Nos.	10												
10.4	5A, 24V industrial type sockets	Nos.	60												
11.0	Poles [Swaged, Steel tubular poles]														
11.1	Type PS1 (410-SP-51 as per IS-2713)	Nos.	70												
11.2	Type PS2 (410-SP-67 as per IS-2713)	Nos.	400												
11.3	Type PF1 (410-SP-51 as per IS-2713)	Nos.	5												
11.4	Type PF2 (410-SP-51 as per IS-2713)	Nos.	17												
12.0	Wires														
12.1	1x2.5 sq.mm. Cu PVC [Red/Yellow/Blue/Black/Grey]	Kms.	425												
12.2	1x4.0 sq.mm. Cu PVC [Red/Yellow/Blue/Black/Grey]	Kms.	60												
13.0	GI wire, flat & MS rod														
13.1	12 SWG GI wire	Kms.	350												
13.2	8 SWG GI wire	Kms.	28												
13.3	50X3 mm GI flat	Kms.	1.5												
13.4	50X10 mm GI flat	Kms.	1.5												
13.5	20 mm dia MS rod	Kms.	2.5												
14.0	Galvanised Rigid Steel Conduits (Heavy Duty)														
14.1	20 mm dia GI conduit, 1.6 mm thick	Kms.	160												
14.2	25 mm dia GI conduit, 1.6 mm thick	Kms.	34												
14.3	40 mm dia GI conduit, 2 mm thick	Kms.	15												
14.4	50 mm dia GI conduit, 2 mm thick	Kms.	0.9												
14.5	20 mm dia GI conduit with epoxy coating, 1.6 mm thick	Kms.	2												

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**PRICE FORMAT FOR SUPPLY**  
**2 X 660 MW SURATGARH STPS - STATION LIGHTING SYSTEM**

INDIAN BIDDER										FOREIGN BIDDER					
ITEM NO.	DESCRIPTION - MAIN EQUIPMENT	UNIT	TOTAL QUANTITY	UNIT EX-WORKS PRICE (INR)	TOTAL EX-WORKS PRICE (INR)	EXCISE DUTY NIL	CST/VAT@....% (As applicable) (INR)	FREIGHT CHARGES (Including Service tax @ applicable rate)- to be quoted as % of Ex-Works	TOTAL F.O.R. SITE PRICE	UNIT FOB PRICE (Currency)	TOTAL FOB PRICE (Currency)	Marine Freight Insurance by BHEL (Currency)	Custom Duty (Currency)	Inland Freight & Port Clearance etc (Currency)	Total F.O.R. Site Price (Currency)
15.0	Flexible electrogalvanised conduit														
15.1	20 mm dia flexible electrogalvanised PVC coated conduit, 1.6 mm thick	Kms.	22												
16.0	Structural steel	MT	45												
17.0	Hume pipe														
17.1	Hume pipe 100 mm dia	Kms.	0.20												
18.0	Ladder														
18.1	Wheel mounted adjustable from 5M to 10M aluminium ladder	Nos	2												
18.2	Free standing adjustable from 5M to 10M aluminium ladder	Nos	2												
19.0	EXIT SIGN with lamp	Nos	10												
20.0	Lighting mast, octagonal type, LM-30	Nos.	2												
21.0	Lump sum engineering charges for complete lighting system. (These charges shall remain fixed irrespective of addition of new areas or deletion of any area).	Lump sum													

**NOTES:**

- All fluorescent fixtures shall have electronic ballast.
- All fluorescent fixture shall be with 28W, T5 fluorescent fitting.
- The unit rates of supply & installation for all equipment and services quoted by the bidder shall be firm for a variation of quantities limited to:
  - +30% of total order value till finalization of engineering details & BOQ.
  - +10% of the total order value in addition to (a) above, till the completion of job.
- Basic Design Documents cover: Drawings/ documents schedule, technical data sheets, GA dwgs. of equipments, quality plan, type test reports & type test proposal (as required) for Station Lighting System.
- Erection & commissioning materials (such as double compression cable glands, conduit fittings viz. couplers, elbows, bends, tees, circular boxes etc., conduit accessories viz. clips, saddles, spacing plates, entry bushes, lock nuts, plugs, heavy duty lugs, ferrules, expansion fasteners, ball & sockets, earth clips, fan boxes, clamps, screws etc. form part of erection activities) and accessories including commissioning & operational spares upto system handing over to Customer has to be worked out for complete and successful erection & commissioning of the total supply as per BOQ. The price to be quoted for E & C accordingly for equipment and material.
- Painting & painting charges of structural steel shall be part of erection charges of those equipment for which the same is being used.
- Installation of lamp shall be part of E&C of respective fixture. The E&C price of fixtures to be quoted accordingly.
- All measuring and testing instruments required during erection, testing, commissioning and performance testing shall be arranged by the bidder and taken back.

PRICE FORMAT FOR ERECTION AND COMMISSIONING (E&C) 2 X 660 MW SURATGARH STPS - STATION LIGHTING SYSTEM									
ITEM NO.	DESCRIPTION - MAIN EQUIPMENT	UNIT	TOTAL QUANTITY	INDIAN BIDDER				FOREIGN BIDDER	
				UNIT E&C (INR)	TOTAL E&C (INR)	SERVICE TAX ON E&C	TOTAL E&C CHARGES INCLUDING SERVICE TAX	UNIT E&C (Currency)	TOTAL E&C (INCLUSIVE OF ALL CHARGES) (Currency)
1.0	Lighting Distribution Board (LDB)								
1.1	AC LDB Type LDB-H (12)								
1.1.1	AC LDB Type LDB-H (12) without transformer (including cubicle suitable for 1 no. 100 kVA transformer)	Nos.	18						
1.1.2	100kVA transformer for housing in 1.1.1	Nos.	18						
1.2	AC LDB Type LDB-F (8)								
1.2.1	AC LDB Type LDB-F (8) without transformer (including cubicle suitable for 1 no. 50 kVA transformer)	Nos.	13						
1.2.2	50kVA transformer for housing in 1.2.1	Nos.	13						
1.3	DC LDB Type LDB-D (12)	Nos.	4						
1.4	AC WDB Type WDB-H (12)								
1.4.1	AC WDB TYPE WDB-H (12) without transformer (including cubicle suitable for 1 no. 100 kVA transformer)	Nos.	2						
1.4.2	100kVA transformer for housing in 1.4.1	Nos.	2						
2.0	Lighting Panels (LP)								
2.1	AC Normal /Emergency indoor Type LP - A (6) [with timer]	Nos.	8						
2.2	AC Normal (Decorative) Type LP - A (6)	Nos.	4						
2.3	AC Normal /Emergency indoor Type LP - A (12) [with timer]	Nos.	40						
2.4	AC Normal /Emergency outdoor Type LP - A (12) [with timer]	Nos.	12						
2.5	AC Normal (Decorative) Type LP - A (12)	Nos.	30						
2.6	AC Normal /Emergency indoor Type LP - A (18) [with timer]	Nos.	25						
2.7	AC Normal /Emergency outdoor Type LP - A (18) [with timer]	Nos.	44						



4.8	125W HPMV lamp (SON-E)	Nos.	316						
4.9	12V, 50W Dichroic lamp	Nos.	30						
4.10	150W HPSV lamp (SON-T)	Nos.	588						
4.11	250W HPSV lamp (SON-T)	Nos.	206						
5.0	<b>Switch boxes for individual control of circuits</b> Switchboards consisting of switch boxes, switches, switch plates and fixing accessories.								
5.1	Type SWB1	Nos.	290						
5.2	Type SWB2	Nos.	133						
5.3	Type SWB3	Nos.	60						
6.0	<b>Junction boxes</b>								
6.1	Type JB-F	Nos.	11500						
6.2	Type JB-FE	Nos.	180						
6.3	Type JB-S	Nos.	492						
7.0	<b>Receptacles</b>								
7.1	Type RA	Nos.	512						
7.2	Type RA (Flame proof)	Nos.	20						
7.3	Type RB	Nos.	537						
7.4	Type RC	Nos.	85						
8.0	<b>Ceiling fans with electronic regulators</b>								
8.1	1200 mm sweep	Nos.	40						
9.0	<b>Emergency lighting Units</b> With Ni-Cd battery and 2X10W fluorescent lamp	Nos.	50						
10.0	<b>24V supply module &amp; lamp unit complete with all accessories</b>								
10.1	Fix type 24V supply modules	Nos.	22						
10.2	Portable type 24V supply modules	Nos.	10						
10.3	Portable halogen lamp unit	Nos.	10						
10.4	5A, 24V industrial type sockets	Nos.	60						
11.0	<b>Poles [Swaged, Steel tubular poles]</b>								



11.1	Type PS1 (410-SP-51 as per IS-2713)	Nos.	70						
11.2	Type PS2 (410-SP-67 as per IS-2713)	Nos.	400						
11.3	Type PF1 (410-SP-51 as per IS-2713)	Nos.	5						
11.4	Type PF2 (410-SP-51 as per IS-2713)	Nos.	17						
12.0	<b>Wires</b>								
12.1	1x2.5 sq.mm. Cu PVC [Red/Yellow/Blue/Black/Grey]	Kms.	425						
12.2	1x4.0 sq.mm. Cu PVC [Red/Yellow/Blue/Black/Grey]	Kms.	60						
13.0	<b>GI wire, flat &amp; MS rod</b>								
13.1	12 SWG GI wire	Kms.	350						
13.2	8 SWG GI wire	Kms.	28						
13.3	50X3 mm GI flat	Kms.	1.5						
13.4	50X10 mm GI flat	Kms.	1.5						
13.5	20 mm dia MS rod	Kms.	2.5						
14.0	<b>Galvanised Rigid Steel Conduits (Heavy Duty)</b>								
14.1	20 mm dia GI conduit, 1.6 mm thick	Kms.	160						
14.2	25 mm dia GI conduit, 1.6 mm thick	Kms.	34						
14.3	40 mm dia GI conduit, 2 mm thick	Kms.	15						
14.4	50 mm dia GI conduit, 2 mm thick	Kms.	0.9						
14.5	20 mm dia GI conduit with epoxy coating, 1.6 mm thick	Kms.	2						
15.0	<b>Flexible electrogalvanised conduit</b>								
15.1	20 mm dia flexible electrogalvanised PVC coated conduit, 1.6 mm thick	Kms.	22						
16.0	<b>Structural steel</b>	MT	45						
17.0	<b>Hume pipe</b>								
17.1	Hume pipe 100 mm dia	Kms.	0.20						
18.0	<b>Ladder</b>								
18.1	Wheel mounted adjustable from 5M to 10M aluminium ladder	Nos	2						
18.2	Free standing adjustable from 5M to 10M aluminium ladder	Nos	2						

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19.0	EXIT SIGN with lamp	Nos	10						
20.0	Lighting mast, octagonal type, LM-30	Nos.	2						
21.0	Lump sum engineering charges for complete lighting system. (These charges shall remain fixed irrespective of addition of new areas or deletion of any area).	Lump sum							
22.0	<b>LAYING AND TERMINATION OF CABLES</b>								
22.1	Unarmoured cables to be laid in ready trays/ conduits/ trenches								
	i) 3.5C X 50 sq mm (Al)	Kms.	10						
	ii) 3.5C X 25 sq mm (Al)	Kms.	6						
	iii) 2C X 25 sq mm (Al)	Kms.	3						
	iv) 3C X 2.5 sq mm (Al)	Kms.	7						
22.2	Armoured cables to be buried underground								
	i) 3.5C X 50 sq mm (Al)	Kms.	3						
	ii) 3.5C X 50 sq mm (Al)	Kms.	10						
	iii) 3.5C X 120 sq mm (Al)	Kms.	2						

**NOTES:**

- All Fluorescent fixtures shall have electronic ballast.
- All Fluorescent fixture shall be with 28W, T5 fluorescent fitting.
- The unit rates of supply & installation for all equipment and services quoted by the bidder shall be firm for a variation of quantities limited to:
  - ±30% of total order value till finalization of engineering details & BOQ.
  - +10% of the total order value in addition to (a) above, till the completion of job.
- Basic Design Documents cover: Drawings/ documents schedule, technical data sheets, GA dwgs. of equipments, quality plan, type test reports & type test proposal ( as required) for Station Lighting System.
- Erection & commissioning materials (such as double compression cable glands, conduit fittings viz. couplers, elbows, bends, tees, circular boxes etc, conduit accessories viz. clips, saddles, spacing plates, entry bushes, lock nuts, plugs, heavy duty lugs, ferrules, expansion fasteners, ball & sockets, earth clips, fan boxes, clamps, screws etc. form part of erection activities) and accessories including commissioning & operational spares upto system handing over to Customer has to be worked out for complete and successful erection & commissioning of the total supply as per BOQ. The price to be quoted for E & C accordingly for equipment and fittings.
- Fabrication & painting charges of structural steel shall be part of erection charges of those equipment for which the same is being used.
- Installation of lamp shall be part of E&C of respective fixture. The E&C price of fixtures to be quoted accordingly.
- All measuring and testing instruments required during erection, testing, commissioning and performance testing shall be arranged by the bidder and taken back

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# UNIT PRICE SCHEDULE 2 X 660 MW SURATGARH STPS - STATION LIGHTING SYSTEM

ITEM NO.	UNIT PRICE EQUIPMENT [OPTIONAL]	TOTAL QUANTITY	INDIAN BIDDER					FOREIGN BIDDER					
			UNIT EX-WORKS PRICE (INR)	EXCISE DUTY NIL	CST/VAT@....% (As applicable) (INR)	FREIGHT CHARGES (Including Service tax @ applicable rate)-to be quoted as % of Ex-Works	TOTAL F.O.R. SITE PRICE	UNIT FOB PRICE (Currency)	TOTAL FOB PRICE (Currency)	Marine Freight (Marine Insurance by BHEL) (Currency)	Custom Duty (Currency)	Inland Freight & Port Clearance Charged etc) (Currency)	Total F.O.R. Site Price (Currency)
1.0	Lighting Luminaires (complete with accessories) Purchasers type reference ( * Bidders type reference)												
1.1	Luminaire Type FC01 ( * ) for 20W Fluorescent lamp &	1	No.										
1.2	Luminaire Type FC22 ( * )	1	No.										
1.3	Luminaire Type FC31 ( * )	1	No.										
1.4	Luminaire Type MW51 ( * )	1	No.										
1.5	Luminaire Type MW52 ( * )	1	No.										
1.6	Luminaire Type MW91 ( * )	1	No.										
1.7	Luminaire Type SB12 ( * )	1	No.										
1.8	Luminaire Type SB17 ( * )	1	No.										
1.9	Luminaire Type SP21 ( * )	1	No.										
1.10	Luminaire Type MP22 ( * )	1	No.										
1.11	Luminaire Type HF61 ( * )	1	No.										
1.12	Luminaire Type HF62 ( * )	1	No.										
2.0	Ballast												
2.1	Cu ballast	1	No.										
2.2	Electronic ballast	1	No.										
3.0	Emergency lighting Units (ELU)												
3.1	ELU with 1X40W, 12V incandescent lamp	1	No.										
4.0	Junction Box												
4.1	Type JB-M	1	No.										
4.2	Type JB-M1	1	No.										
5.0	TESTING EQUIPMENT												
5.1	BUZZER	2	Nos.										
5.2	500V MEGGER	2	Nos.										
5.3	Earth Megger	2	Nos.										
5.4	Vibration Demper for High bay fixture	1	No.										

NIL AGAINST  
PAC (REFER  
CLAUSE NO. 27  
OF SPECIAL  
CONDITIONS  
OF CONTRACT)

*Signature*

**PRICE SCHEDULE FOR OPTIONAL CHARGES**  
**2 X 660 MW SURATGARH STPS - STATION LIGHTING SYSTEM**

ITEM NO.	TYPE TEST [OPTIONAL]	QUANTITY	UNIT	INDIAN BIDDER		FOREIGN BIDDERS
				TYPE TEST CHARGES (EXCLUDING TAXES)	TOTAL TYPE TEST CHARGES (INCLUDING ALL TAXES & DUTIES AND OTHER CHARGES)	TOTAL TYPE TEST CHARGES (Currency)
1.0	Following tests as per relevant standards on each type &	1	No.			
	a) Visual examination					
	b) Dimensional checking					
	c) Insulation resistance (dry) test					
	d) High voltage tests					
	e) Test for mechanical strength					
	f) Heating test					
	g) Endurance test					
	h) Photometric test					
	i) Protection against electric shock					
	j) Thermal shock proof test for glass (as applicable)					
	k) Rain proof test followed by IR test					
	l) Test for dust tightness					
	m) Wind loading test					
	n) Luminous output and light distribution test					
	o) Power factor measurement test					
2.0	Lamp: Rating and life test for each type and rating of lamp (at	1	No.			
3.0	Test on following items as per relevant standards:					
3.1	Lighting panel of each type (including IP-55 DOP test)	1	No.			
3.2	MCB of each rating	1	No.			
3.3	Receptacles of each rating	1	No.			
3.4	Wires of each size	1	No.			
3.5	Conduits of each size	1	No.			
3.6	Poles of each size	1	No.			
3.7	IP-55 DOP test on JB's and receptacle boxes of each type	1	No.			
3.8	LDB of each type	1	No.			
4.0	Test on following items as per relevant standards:					
4.1	Wellglass vapour proof, dust tight fixtures	1	No.			
4.2	Flood light fixtures	1	No.			
4.3	Street light fixtures	1	No.			
4.4	Industrial type fluorescent fixtures	1	No.			
4.5	High bay type fixtures	1	No.			
4.6	Lighting panel (including DOP test)	1	No.			
4.7	Junction box (DOP test only)	1	No.			
4.8	Receptacle box (DOP test only)	1	No.			
4.9	Electronic ballast	1	No.			

**NOTE:**

1. Bidder to indicate lump sum charges for conducting all type tests as per relevant standard on one piece.

*Raw*

**PRICE SCHEDULE FOR MANDATORY SPARES**  
**2 X 660 MW SURATGARH STPS - STATION LIGHTING SYSTEM**

			INDIAN BIDDER				FOREIGN BIDDER							
SL. NO.	ITEM	QTY	UNIT EX- WORKS PRICE (INR)	TOTAL EX- WORKS PRICE (INR)	EXCISE DUTY NIL	CST/VAT@.... % (As applicable) (INR)	FREIGHT CHARGES (Including Service tax @ applicable rate)- to be quoted as % of Ex-Works	TOTAL F.O.R. SITE PRICE	UNIT FOB PRICE (Currency)	TOTAL FOB PRICE (Currency)	Marine Freight (Marine Insurance by BHEL) (Currency)	Custom Duty (Currency)	Inland Freight & Port Clearance Charged (etc) (Currency)	Total F.O.R. Site Price (Currency)
1	MCBs	5 nos. of each type												
2	ELCB/ RCCB	5 nos. of each type												
3	Timers/ Photo Cells	1 no. of each type												
4	Choke	5 % of each type												
5	Starter	5 % of each type												
6	Lighting Luminaires (complete with accessories) (* Bidder type reference)													
6.1	Type FC02 : (*)	10% of each type, wattage and make with a min. of 1 no.												
6.2	Type FC06 : (*)													
6.3	Type FC26 (*)													
6.4	Type FC81: (*)													
6.5	Type FC32 :(*)													
6.6	Type TB22: (*)													
6.7	Type TX04: (*)													
6.8	Type TW41: (*)													
6.9	Type SF63 :(*)													
6.10	Type SF64 :(*)													
6.11	Type SF66: (*)													
6.12	Type SB11: (*)													
6.13	Type SB02: (*)													
6.14	Type SB03: (*)													
6.15	Type SS62: (*)													
6.16	Type SS63: (*)													
6.17	Type SW41: (*) [with integral CG box]													
6.18	Type SW42: (*) [with integral CG box]													
6.19	Type MW96: (*)													
6.20	Type MW98: (*)													
6.21	Dichroic spot light fixture (For Halogen lamp)													

*Ravi*