



Specification No : APSQ – 056

Rev. No : 04

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01. Item	LIGHT ASSEMBLY				
02. Material code(s)	a) Adjustable Fixture	96 320 160 0000			
	b) Lamp Body Assy.	96 320 161 0000			
	c) Bulb 500 Watts	96 320 162 0000			
	d) Toughened Well Glass	96 320 163 0000			
	e) Wire Guard	96 320 164 0000			
	f) Heat Resistant Cable	96 320 165 0000**			
03. Application	Used in Regenerative Air Preheaters for illumination to inspect the condition of Heat Transfer Surface.				
04. Surroundings	Dusty, humid & corrosive atmosphere of coal / oil fired boilers.				
05. Ambient temperature	50°C				
06. Adjustable Fixture	a) Material	: Cast Aluminium			
	b) Cable entry	: Threaded to Rc ¾ (BSP ¾" int. tapered) as per IS 554			
	c) Angle of adjustment	: 0 to 90° (min)			
07. Lamp Body Assembly	a) Material	: Cast Aluminium			
	b) Reflector	: Aluminium polished			
	c) Lamp holder material	: Porcelain			
	d) Gasket	: Neoprene			
08. Bulb	500 Watts, 230 V, AC, GLS, Screwed type.				
09. Toughened Well Glass	To suit the lamp body				
10. Wire Guard	To suit the assembly, made in 5 mm carbon steel wire				
11. Heat Resistant Cable	(Not in vendor scope) **				
	a) Material of conductor	Annealed tinned copper			
	b) Size of conductor	2.5 mm ² (36 Strands, Strand dia 0.3 mm) & Length 2.5 m.			
	c) Wire construction	Silicon Rubber insulated with Glass Fiber Braiding with Varnish Coating.			
	d) Applicable standard	BS 6007			
	e) Voltage grade	660 Volts			
12. GENERAL	<p>a) Only latest revision shall be referred for all the Standards specified.</p> <p>b) Detailed dimensional drawing indicating materials of construction & weight shall be submitted along with the offer for information.</p> <p>c) Adjustable fixture and lamp holder body shall be painted with Epoxy Light Grey paint to shade 631 as per IS 5.</p> <p>d) Wire guard shall be painted with Epoxy light grey to shade 631 as per IS 5</p>				
13. INSPECTION	<p>a) Inspection by BHEL.</p> <p>b) Material Compliance Certificate shall be submitted.</p>				

04	04.02.12	(Sd) GR	(Sd) ASR	(Sd) JP	Clauses 06(a) 06(c), 07(b), 11 & 12(d) are modified.
03	16.12.10	(Sd) SCH	(Sd) KP	(Sd) PPS	Clause 12e added
02	20.04.02	(Sd)RR	(Sd) PPS	(Sd) GRV	Page modified
01	30.05.94	(Sd) VAS	(Sd) PPS	(Sd) GRV	Wire length added in clause 11b
00	05.07.93	(Sd) DNB	(Sd) PPS	(Sd) RSM	FRESH ISSUE
Rev.No	Date	Prepared	Checked	Approved	Record of Revisions.