

BILL OF QUANTITIES			PART-II - PRICE BID		
Name of work: Providing Road Lights for Bye Pass NH road- From Factory Main Gate to Shipping Gate					
SL. No	DESCRIPTION	QTY	UNIT	RATE in Rs	AMOUNT in Rs
1	<p>Supply and Erection of Mild Steel Tubular 12 m Height street light pole with MS pipe bracket, and with MS base plate of size 6mm x 300mm x 300mm. Concrete size for pole erection :- 500mm Width x 500mm Length x 2000mm Depth below ground level. Concrete coping size above the ground level : - 400mm Height x 300mm Diameter. Concrete ratio 1:3:3 shall be used for basement and coping. 25mm blue metals shall be used for the concrete preparation. Painting with one coat of suitable primer and two coats of Al. paint shall be applied on the pole and MS pipe bracket after thorough cleaning.</p> <p>The Pole and MS Pipe bracket shall be Fabricated as per BHEL drawing nos:ES:M&amp;S:1,2A and as per IS 2713(Part-I to Part-III)-1980. <u>The Thickness of the MS pipe used for the fabrication of the pole will be checked by BHEL by using DIGITAL Meter.</u></p> <p>A) Supply and Fixing of Weather proof MS box of size-200mm height x 240mm length x 150mm depth with 32A x 8way open type terminal block and 16A Porcelain Fuse carrier set on each pole with necessary clamps. Two coats of Al. paint shall be painted on the MS box after thorough cleaning... The MS box shall be provided with locking arrangement.</p>	12	No		
2	Supply and Fixing of 1 x 250 W, 230 V metal halide lamp fitting with of Philips / Hovels / LVD / RAESP /Bajaj/Crompton greaves make on the MS pipe bracket.	12	No		

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3	Supply and Laying of 4C X 16 sq.mm.alu.conductor PVC insulated armoured cable on wall /pole/ with necessary clamps etc.	52	MTR		
	A) on poles=12nox4m/pole=48m				
	B) FDB to timer box =4m				
4	Supply and Laying of 4C X16 sq.mm.alu.conductor PVC insulated armoured cable under ground as per our specification and drawing including supply of sand and bricks. a. FDB to Timer Box = 4m b.Timer Box to Pole 1 = 67m c. Pole 1 to Pole 12 = 607m	678	MTR		
5	Supply and Making end termination with supply of suitable size of cable glands, lugs etc., using anti corrosive paste for single run 4C X 16 sq.mm alu.conductor PVCA cable a. FDB to Timer Box = 2 nos b. Timer Box to Pole 12 = 24 nos	26	No		
6	Supply and Fixing of Timer Box of approximate size 500 X 700 X 300 mm - Single door , with following items	1	No		
	A) 24 Hrs Digital Timer, INPUT VOLTAGE - 230V, AC,1 NO + 1NC,Frontier make/GE make/Seimens/or any standard make				
	B) 40 Amps, 415 V, Coil V-230 V, 4 pole contactor of make BCH/GE/L&T/Seimens.				
	C) 32 A, 12way, open type terminal block				
	D) 20 A KIT CAT FUSE - 03 nos				
	E) 10 A, 250 V, Bypass Toggle switch				
	F)Wiring with 2.5sq.mm copper flexible PVC wire shall be done.				
	All the above items should be supplied and neatly fixed in the timer box.				

SL. No	DESCRIPTION	QTY	UNIT	RATE in Rs	AMOUNT in Rs
7	Supply and Laying of 2C x 2.5 sq.mm PVC insulated un-armered Copper cable inside the Pole with necessary fixtures etc., as per the BHEL Safety Rules and Special Instructions. (12m x 12 Nos)	144	MTR		
8	Making end termination with supply of suitable size of cable glands, lugs etc. using anti corrosive paste for 2 X 2.5 Sq.mm.alu.Conductor PVCA cable. a.Pole fittings -12 Nos.	24	No		
	<b>TOTAL AMOUNT</b>				
	Service Tax @            %	Rs.			
	<b>TOTAL AMOUNT INCLUDING SERVICE TAX @ ____ %.</b>				

**Note:**

- 1 There is no Free issue of materials involved in this Work from BHEL except supply water & electricity.
- 2 Service tax shall be reimbursed to the contractor against submission of valid service tax invoice.
- 3 No column should be left blank.
- 4 4% WCST shall be deducted from the bills if Form-S issued specific to the contract and specific to the period of work is not submitted.