

Issued to: _____



BHARAT HEAVY ELECTRICALS LIMITED
RAMACHANDRAPURAM :: HYDERABAD-32
TOWNSHIP ADMINISTRATION

TENDER DOCUMENTS (PRICE BID)

**Name of the work : Providing of street lighting along the service road from
 Bombay store junction to Main check post at BHEL
 township.**

Tender Notice : HY/TA/E/OT-02/2011-12, Dt. 27.05.2011; Item No. 02

INDEX

1. Schedule 'A' : Schedule of rates and approximate quantities.

SIGN. OF TENDERER

ISSUING OFFICER

Address:

Phone No. _____

BHARAT HEAVY ELECTRICALS LIMITED
RAMACHANDRAPURAM :: HYDERABAD - 32
(TOWNSHIP ADMINISTRATION)
ELECTRICAL DEPARTMENT
SCHEDULE - 'A'

Tender No.: HY/TA/E/OT-02/2011-12
Date : 27.05.2011
Item No.: 02

Providing of street lighting along the service road from Bombay store junction to Main check post at BHEL township.

Sl. No.	Nature of work	Unit	Qty	Rate	Amount
(1)	(2)	(3)	(4)	(5)	(6)
	Part : A				
1	Earth work excavation for cable trenches of size 0.60m width & 0.75m deep in all kinds of soils (blasting prohibited), including cutting of flooring, CRS foundations & roads etc. and then returning (refilling) the soil as required and disposing of surplus excavated soil as directed by Engineer-in-charge.	Metre	1110	115.05	127,705.50
2	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means for pole / stay pits of size 0.6m x 0.9m x 1.5m including disposal of excavated earth, levelling and neatly dressed for all kind of soils all as directed by Engineer-in-charge.	Cu.m	22	101.85	2,240.70
3	Plain Cement Concrete 1:2:4 mix using 40 mm gauge down graded hard granite metal including curing, cost of all materials etc., complete as directed by Engineer-in-charge.	Cu.m	9	3194.10	28,746.90
4	Refilling the pits with excavated soil after laying the cables/ removing unserviceable cables, including water consolidation etc. complete as directed by Engineer-in-charge.	Cu.m	13	45.70	594.10
5	Coping of poles in proper sloping above the foundation with cement concrete 1:2:4 using 12/20 mm down graded metal and finishing smooth with cement plaster 1:3 (1 cement : 3 fine sand) on exposed surfaces etc., complete as directed by engineer-in-charge.	Cu.m	1.5	4814.35	7,221.53

Sl. No.	Nature of work	Unit	Qty	Rate	Amount
(1)	(2)	(3)	(4)	(5)	(6)
6	Laying of Al conductor PVC insulated PVC sheathed, steel armoured cables (cable supplied by dept.)				-
a)	3 ¹ / ₂ or 4 core 25 to 70 sq.mm	Metre	300	17.00	5,100.00
b)	2 / 3 / 4 core 2.5 to 16 sq.mm	Metre	810	12.00	9,720.00
7	Supply & spreading of sand cushion 5cm thick alround the cable & laying rough shahabad stone of size 300x300x30mm over the cable.	Metre	1110	97.00	107,670.00
8	Supply and fixing of crimping type Aluminium lugs conforming to I.S specifications for the following sizes of cable including nuts and bolts with connections, complete as directed by Engineer-in-charge.				-
a)	25 to 70 sq.mm	Each	30	7.50	225.00
b)	2.5 to 16 sq.mm	Each	140	5.00	700.00
9	Supply and fixing of heavy duty flange type brass cable glands with brass washers complete for the following sizes of cables :				-
a)	3 ¹ / ₂ or 4 core 25 to 70 sq.mm	Nos.	10	106.00	1,060.00
b)	2 or 3 or 4 core 2.5 to 16 sq.mm	Nos.	54	67.00	3,618.00
10	Supply, fabrication and fixing of MS sheet box / cup boards made of sheet 1.6mm thick with double / single door and mechanical locking arrangement.. The box / cupboards shall be given 2 coats of red-oxide paint and finished with necessary general purpose quick drying oil paint of suitable shade as directed by engineer incharge.	Kg.	110	198.00	21,780.00
11	Supply and fixing of copper flat / bare copper conductor as directed by Engineer-in-charge.	Kg.	15	607.00	9,105.00
12	Supply & fixing of earthing arrangement comprising of 100 mm inner dia, 3 mm thick GI pipe buried upto a minimum depth of 3.0 mtrs including filling the earth pit with homogenous layers of coke/charcoal, salt & sand etc. as required conforming to IS standards. The earth pit to be provided with brick masonry chamber with hinged cover and watering arrangement; complete in all respects, as directed by Engineer-in-charge.	Each	3	3169.00	9,507.00

Sl. No.	Nature of work	Unit	Qty	Rate	Amount
(1)	(2)	(3)	(4)	(5)	(6)
13	Supply and laying of RCC Hume Pipes of size 150 mm dia for cables entry at the building and road crossings. The two ends to be closed suitably with impervious clay after laying the cable as directed by engineer-in-charge.	Metre	20	240.00	4,800.00
14	Cutting of existing / falling of trees of following sizes (measured at a height of 1mtr. above ground level) including cutting of trees and branches, removing the roots and stocking of serviceable material at BHEL nursery stockyard including tractor loading and unloading, transportation at BHEL Nursery etc., and disposal of unserviceable material., all complete as directed by engineer in-charge.				-
a)	30cm girth upto & including 60 cm	Each	650	81.70	53,105.00
b)	60 cm girth upto & including 120cm	Each	200	359.80	71,960.00
	Part : B				-
15	Supply, transportation and erection of swaged street light pole of height 7.5mtrs (410 SP - 4 as per IS 2713/1980) with single arm arrangement for 150 W street light fitting with Junction box and pipe for cable termination, toal painted with 2 coats of red oxide paint and single coat A1 Silver paint as directed by Engineer-in-charge.	Each	27	6400.00	172,800.00
16	Supply, erection, testing & commissioning of street lighting provided with street light luminaire (PHILIPS SGP 401) having high pressure die cast aluminium housing, POT optics reflector and heat resistant toughened flat glass offering (IP 65) ingress protection. It includes mounting of luminaires to the poles, connecting and all incidental charges etc, complete.	Nos.	27	6695.00	180,765.00
17	Supply and fixing of Metal halide Lamps PHILIPS CDM-TT 150W suitable for the above fitting.	Nos.	27	2200.00	59,400.00
				TOTAL	877,823.73

Sl. No.	Nature of work	Unit	Qty	Rate	Amount
(1)	(2)	(3)	(4)	(5)	(6)

Note:- The tenderers are required to quote their tender value on %age basis at excess or less or on par with estimated value.

Tender %	Figures	words
Excess		
Less		
Estimate rate only		

Conditions :

1	A penalty of 0.5% of the gross value of work will be levied for every week's delay of work subject to a maximum penalty of 10% of the gross value of work.
2	The rates quoted for the items of work shall be inclusive of all taxes (excluding service tax) and duties levied by Central / State Govt. Organisations as well as local authorities.
3	Service tax will be extra if applicable for this contract. Tax if paid by the contractor with respect to this work will be reimbursed by BHEL on production of documentary evidence for having paid the taxes by the contractor.
4	If the contractor has not quoted the %age clearly , it is considered as incomplete tender and tender cannot be accepted.
5	All BHEL general conditions of contract and special conditions enclosed to this document are applicable to this work.
6	In case there is any difference in the quoted % age between figures and words, the resultant higher tender value will be taken for evaluation of tender priority and while awarding, lower tender value will be taken and this should be binding on the contractor.
7	The department reserves the right to cancel the work without assigning any reasons therefor.
8	The billing is done as per the units specified and completion to the satisfaction of Engineer-in-charge.
9	The quantities shown above are approximate and liable for variation.
10	Conditional offers are not acceptable.
11	All the bills of the contractors will be cleared subject to the production of clearance certificate by the contractors in respect of compliance of all statutory requirement, issued by IR section of BHEL-HR department.