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## Bill of Quantity Items Print Preview

### Current Tender Details

<b>Tender ID</b>	184536	<b>IFB Number / Tender Notice Number</b>	04/CRDA-13022(31)/16/2017-AO3 OMG-CRDA-Part(2)
<b>Name of Work</b>	Providing Central lighting to ZDP road connecting RTC Terminal Road up to Chaitanya college road (Panta kalava) in Kanuru village , Vijayawada	<b>Tender Category</b>	Works
<b>Tender Type</b>	OPEN	<b>Estimated Contract Value</b>	9644632
<b>Bid Submission Closing Date</b>	21/04/2018 03:00 PM	<b>Tender Evaluation Type</b>	Percentage

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### BOQ Item Details

S.No	Subwork Name	Specification Number	Quantity	UOM	Rate (INR)	Amount (INR)
1	Central lighting	APSS	6.00	Each	34900.00	209400.00
Supply ,transportation and fixing of 240 W LED High Mast Luminaire made of pressure diecast alluminium housing with powder coated,having protective toughned glass, Supply Input voltage 120 - 270 V AC, P.F > 0.90, high power LED's having efficacy >120 lumines/watt, System efficacy >95lm/W and junction temprature < 70° C, with Ingrees protection IP65, IK05, Driver surge protection 4KV, external Surge protection = 5KV with wide/ Narrow beam optics, THD<10% at 110Volts AC, driver efficiency >90%, , CCT: 3000K - 5700K, minimum CRI>70, etc., omplete a) LUMINAIRE MAKE : PHILIPS / OSRAM / GE / CROMPTON / BAJAJ / SCHREDER / VIN b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG.						
	Subwork Name	Specification Number	Quantity	UOM	Rate (INR)	Amount (INR)
2	Central lighting	APSS	1.00	Each	17944.00	17944.00

Subwork Name	Specification Number	Quantity	UOM	Rate (INR)	Amount (INR)
Supply and fixing of suitable out door type feeder pillar box made with 14 SWG CRCA sheet after 7 tank process including S & F of Legrand / Schnieder / L&T make 40-63A FP MCB, 9 Nos SP MCB's, din chanel, bus bars, 6 Sqmm 3 core copper cable for internal wiring , contactor, connectors and provision for energy meter etc., complete for finished item of work.					

Subwork Name	Specification Number	Quantity	UOM	Rate (INR)	Amount (INR)
3 Central lighting	APSS	1.00	Each	31980.00	31980.00
Earth work exacavation with a approximate quantity of 6.0 Cum for errection of 16 Mtrs high mast and refilling with a quantity of 0.65 Cum of PCC 1:4:8, 2.60 Cum M 20 grade concrete and (110 Kgs) reinforced steel of 12mm / 10mm / 8mm, Soil bearing capacity of 10 T/Sqm, Anchor plate with cost and conveyance of all above materials including labour charges for errection of High Mast and Carraige etc complete					

Subwork Name	Specification Number	Quantity	UOM	Rate (INR)	Amount (INR)
4 Central lighting	APSS	1.00	Each	127335.00	127335.00
Fabrication, transportation and supply of 16 Mtrs Polygon High Mast with two sections of Bottom 4mm thick and Top section with 3mm thick with GLS type aviation lamp of Bottom 360mm and Top 150mm dia with BSEN - 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate, having a base plate of size 560mm dia 25mm thick with its accessories. Mast shall be in single section for 12 Mtrs and 2 sections for 16 and 20 Mtrs. Mast shall be hot dip galvanized and suitable for wind velocity of 180 KMPH as per IS 875 part 3 including head frame, 2 point suspension system with steel rope 6mm dia (7/19) construction double drum winch / power tool operating speed of 900 RPM, and necessary cable trailer connections and single speed motor with M 24 x 800 mm foundation bolts of required quantity with GLS type aviation twin lamp. Makes: Bajaj / Valmont / TRANSRAIL / SKIPPER					

Subwork Name	Specification Number	Quantity	UOM	Rate (INR)	Amount (INR)
5 Central lighting	APSS	100.00	Mtr	15.30	1530.00
Supply and Run of No.8 SWG G.I wire including cost of all accessories and labour charges etc., complete. (0.104Kgs/1Mtr)					

Subwork Name	Specification Number	Quantity	UOM	Rate (INR)	Amount (INR)
6 Central lighting	APSS	6.00	Each	2811.80	16871.00
Providing independent earthling by excavating a pit to a depth of 2.25Mt in all soils, as per size specified in the Data, using 40mm dia 'B' class GI pipe of 2.5 Mtrs length with necessary No.8 G.I. double earth wire and accessories with 18" dia 2" thick hume pipe ring duly providing staggered holes including filling with 20Kg Salt and 40Kg Charcoal or 40Kg bentonite powder in layers and all labour charges etc., complete					

Subwork Name	Specification Number	Quantity	UOM	Rate (INR)	Amount (INR)
7 Central lighting	APSS	200.00	Mtr	85.00	17000.00
Supply and Transportation of Outer dia 50mm and Inner dia 38 mm double walled corrugated HDPE duct made as per specification BSEN - 500 86/IS 14930 Part-II. Makes:DURA LINE (Dura Guard) or its equivalent make and as directed by the Engineer in Charge					

Subwork Name	Specification Number	Quantity	UOM	Rate (INR)	Amount (INR)
8 Central lighting	APSS	4575.00	Mtr	342.00	1564650.00
Supply, Transportion & Fixing of 40mm Gi pipe Medium Grade for laying of cable including all labour charges etc., complete.					

Subwork Name	Specification Number	Quantity	UOM	Rate (INR)	Amount (INR)
9 Central lighting	APSS	4.00	Each	17400.00	69600.00

Subwork Name	Specification Number	Quantity	UOM	Rate (INR)	Amount (INR)
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Supply and fixing of suitable out door type feeder pillar box made with 14 SWG CRCA sheet after 7 tank process including S & F of Legrand / Schnieder / L&T make 40- 63A FP MCB, 6 Nos SP MCB's, din chanel, bus bars, 6 Sqmm 3 core copper cable for internal wiring, contactor, connectors and provision for energy meter etc., complete for finished item of work.

Subwork Name	Specification Number	Quantity	UOM	Rate (INR)	Amount (INR)
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10	Central lighting	APSS	4575.00	Mtr	16.50	75488.00
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Laying of PVC armoured under ground cable in existing duct as directed by the department including cost and conveyance of all materials and labour charges etc., complete

Subwork Name	Specification Number	Quantity	UOM	Rate (INR)	Amount (INR)
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11	Central lighting	APSS	500.00	Mtr	108.00	54000.00
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Earth work excavation of the trench and back filling of Trench after laying of U.G cables at road crossings including BT/CC road cutting including cost and conveyance of materials and labour charges etc., complete.

Subwork Name	Specification Number	Quantity	UOM	Rate (INR)	Amount (INR)
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12	Central lighting	APSS	3200.00	Mtr	79.20	253440.00
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Earth work excavation of the trench and back filling of Trench after laying of U.G cables along the road including cost and conveyance of materials and labour charges etc., complete.

Subwork Name	Specification Number	Quantity	UOM	Rate (INR)	Amount (INR)
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13	Central lighting	APSS	400.00	Mtr	228.00	91200.00
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Supply of 35 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) Makes: Torent / Universal / Unicab / Havells / KEI / Gloster / Polycab

Subwork Name	Specification Number	Quantity	UOM	Rate (INR)	Amount (INR)
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14	Central lighting	APSS	150.00	Mtr	190.00	28500.00
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Supply of 25 Sqmm 3.5 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) Makes: Torent / Universal / Unicab / Havells / KEI / Gloster / Polycab

Subwork Name	Specification Number	Quantity	UOM	Rate (INR)	Amount (INR)
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15	Central lighting	APSS	3875.00	Mtr	129.00	499875.00
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Supply of 16 Sqmm 4 Core XLPE insulated, 1100V grade armoured alluminium cable as per specification confirming to IS:7098 (Part - I) Makes: RPG / Finolex / Finecab / Paragon / V-Guard / Fortune Art / Suncab

Subwork Name	Specification Number	Quantity	UOM	Rate (INR)	Amount (INR)
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16	Central lighting	APSS	8.00	Each	130.00	1040.00
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Supply and Fixing of single compression brass cable glands for 3.5 core XLPE armoured cable from 25 Sqmm to 50.0 Sq.mm with brass washers complete.

Subwork Name	Specification Number	Quantity	UOM	Rate (INR)	Amount (INR)
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17	Central lighting	APSS	194.00	Each	90.00	17460.00
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Supply and Fixing of single compression brass cable glands for 4 core XLPE armoured cable up to 16.0 Sq.mm with brass washers complete.

	<b>Subwork Name</b>	<b>Specification Number</b>	<b>Quantity</b>	<b>UOM</b>	<b>Rate (INR)</b>	<b>Amount (INR)</b>
18	Central lighting	APSS	32.00	Each	22.00	704.00

Supply and fixing of crimping type aluminium lugs confirming to I.S specifications for cable of 35 Sq.mm including nuts and bolts with connections

	<b>Subwork Name</b>	<b>Specification Number</b>	<b>Quantity</b>	<b>UOM</b>	<b>Rate (INR)</b>	<b>Amount (INR)</b>
19	Central lighting	APSS	32.00	Each	18.00	576.00

Supply and fixing of crimping type aluminium lugs confirming to I.S specifications for cable of 25 Sq.mm including nuts and bolts with connections.

	<b>Subwork Name</b>	<b>Specification Number</b>	<b>Quantity</b>	<b>UOM</b>	<b>Rate (INR)</b>	<b>Amount (INR)</b>
20	Central lighting	APSS	900.00	Each	13.00	11700.00

Supply and fixing of crimping type aluminium lugs confirming to I.S specifications for cable upto 16 Sq.mm including nuts and bolts with connections.

	<b>Subwork Name</b>	<b>Specification Number</b>	<b>Quantity</b>	<b>UOM</b>	<b>Rate (INR)</b>	<b>Amount (INR)</b>
21	Central lighting	APSS	250.00	Each	176.00	44000.00

Supply of 6-32A 10KA SP MCB ISI Mark of make Legrand /Schneider

	<b>Subwork Name</b>	<b>Specification Number</b>	<b>Quantity</b>	<b>UOM</b>	<b>Rate (INR)</b>	<b>Amount (INR)</b>
22	Central lighting	APSS	2620.00	Mtr	88.80	232656.00

Supply, Transportation and Run of 1 of ISI mark 3 Core 2.5 Sq.mm Flat/ round sheathed flexible copper cable including all accessories and labour charges etc., complete. Makes: Million/Polycab/Gold Medal

	<b>Subwork Name</b>	<b>Specification Number</b>	<b>Quantity</b>	<b>UOM</b>	<b>Rate (INR)</b>	<b>Amount (INR)</b>
23	Central lighting	APSS	218.00	Each	17000.00	3706000.00

Supply, transportation and fixing of 160W LED Street light Luminaire made of pressure diecast aluminium body with powder coated, having protective toughened glass, Supply input voltage 120-270V AC, P.F>0.90, highpower LED,s having efficacy>120 lumines/watt, System efficacy>95lm/W and junction temperature <70°C, with Ingree protection IP65, Driversurge protection 4KV, external Surge protection = 5KV with optics distribution typeII medium, THD<10% at 110 volts AC, driver efficiency>90%,CCT:3000K-5700K, minimum CRI>70,etc.,complete. a) LUMINAIREMAKE: PHILIPS/ OSRAM/GE/ CROMPTON/BAJAJ/ SCHREDER / VIN b) LEDMAKE:PHILIPSLUMILEDS/CREE/NICHIA/OSRAM/SAMSUNG./ SAMSUNG

	<b>Subwork Name</b>	<b>Specification Number</b>	<b>Quantity</b>	<b>UOM</b>	<b>Rate (INR)</b>	<b>Amount (INR)</b>
24	Central lighting	APSS	105.00	Each	5659.00	594195.00

Foundation and erection charges with special T&P, for 9Mtrs long Octagonal pole duly erecting on base plate duly providing 4 Nos foundation bolts with nuts with providing required size foundation using M20 CC work vibrated concreting mixing with necessary steel reinforcement as per the Manufacturer's design approved by the Authority and curing for 7 days as directed by the field engineers during execution including excavation of Earth/BT/CC all labour charges and cost and conveyance of materials etc.complete

	<b>Subwork Name</b>	<b>Specification Number</b>	<b>Quantity</b>	<b>UOM</b>	<b>Rate (INR)</b>	<b>Amount (INR)</b>
25	Central lighting	APSS	8.00	Each	1482.00	11856.00

Fabrication, Transportation and supply of 1.50 Mtr Length single arm bracket made with MS galvanized 40mm /50mm dia Pipe. Makes:Bajaj / Valmont /TRANSRAIL / SKIPPER /LAASMA

	<b>Subwork Name</b>	<b>Specification Number</b>	<b>Quantity</b>	<b>UOM</b>	<b>Rate (INR)</b>	<b>Amount (INR)</b>
26	Central lighting	APSS	8.00	Each	2358.00	18864.00
Fabrication, Transportation and supply of 1.50 Mtr length Double Arm Bracket made with MS galvanized 40mm /50mm dia Pipe. Makes:Bajaj / Valmont / TRANSRAIL / SKIPPER /LAASMA						

	<b>Subwork Name</b>	<b>Specification Number</b>	<b>Quantity</b>	<b>UOM</b>	<b>Rate (INR)</b>	<b>Amount (INR)</b>
27	Central lighting	APSS	97.00	Each	4244.00	411668.00
Fabrication, Transportation and supply of of 1.5mtrs sword type decorative double arm bracket with dooms either sides complete with all accessories with MS galvanized 40mm / 50mm dia Pipe. Makes:Bajaj / Valmont /TRANSRAIL / SKIPPER /LAASMA						

	<b>Subwork Name</b>	<b>Specification Number</b>	<b>Quantity</b>	<b>UOM</b>	<b>Rate (INR)</b>	<b>Amount (INR)</b>
28	Central lighting	APSS	105.00	Each	14620.00	1535100.00
Fabrication, Transportation and supply of hot-dip galvanized Octogonal Pole with BSEN - 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangement, including the supply of suitable boards with bakelite sheet as per IS specification suitable to withstand the wind speed of 180 KMPH for 9 Mtrs height Pole having dimensions Bottom 155 mm,. Top 70mm with 3mm thick, base plate 260 x 260 x 16mm and 4 Nos of M24 x 750 long 'J' bolts along with template. Makes: Bajaj / Valmont / TRANSRAIL / SKIPPER /LAASMA						

**Total(INR): 9644632**

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