



BANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

150397-KAGGALIPURA OMU

WORK ORDER REPORT

Work Type: Regular

Priority: 0

Est. Start Date:

Required:

Task Status: PLANNING

Assigned To: BHIMANNA_X

Contractor :

Work Order

2153687

Task

01

Page: 1

Budget Head :

Execution Method: DCW DEPT

Task Desc.: dcw estimate

Service Req. No: 4427273

Contact: PUNITH R

Address: KANAKAPURA MAIN ROAD

Landmark:

City/State/Zip: VGP, KAR 560052

Call Back: N

Suite: UTTARAHALL

Work Phone:

Ext:

Home Phone:

Problem Code/Desc: LAYOUT - New Layout

Problem Description: Layout: Field Study , Estimation and Execution. Consumer Class: Layout

Component ID:

Description:

Dept/Area: 150397-KAGGALIPURA OMU

Task Note Type	Notes
ADDRESS	estimate prepared for Electrification of Residential Layout in favour of Sri. Punith R, Sy No 124/3, Tharalu Village, Uttarahally Hobli, Bengaluru south taluk in O&M Unit-2 Kaggalipura, in K-3 Sub division, Bengaluru-82. (UNDER DCW WORK)
CERTIFICATE	Certified that I have inspected the spot and prepared this estimate by using current SR for the most economical and safest way of executing the work.
SO / AE	The 11 KV Extension & Errection of 11 Mtr Spun Pole works estimate are prepared under SELF EXECUTION WORK. But the 1X250 KVA Transfirmer & Accessories estimate prepared under DCW. The above said work to be carried out by applicant them selves through class-1 Govt electrical contractor using BESCOM approved materials. the Approvals from concerned Departments to be Obtained.

COMPATIBLE UNITS:

Capital

INSTALL

Compatible Unit	Description	Qty	UOM	Difficulty
000000000000186	ERECTION OF 250 KVA BEE 5 Star Rated Distribution Transformer, 3 P	1	NO	NORMAL

MATERIALS:

S.NO	Store	Stock Code	Item Description	Rate	Qty.Est	UOM	Amount(INR)	Utility Provided(Y/N)
1	025	321468	Distribution Transformers - 3 Phase, 11kV/433V - Stacked Core with Oil as per IS-1180 (Part-1): 2014, OPEN BUSHING TYPE 250kVA, Aluminium Wdg, Star 2 (5 Star)	520500	1	NO	520500	Y

Sub Total : 520500

LABOR

Submitted by: BHIMANNA_X

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WORK ORDER REPORT

S.NO	Stock Code	Item Description	Rate	Qty.Est	UOM	Amount(INR)	Utility Provided(Y/N)
1	L11KV.6.3	Erection of 200-250 kVA Transformer on Transformer structure.	1727	1	EA	1727	Y
Sub Total : 1727							

OTHER REQUIREMENTS:

Requirement	Item Description	Amount(INR)
S_CONTING	Contingency Charges	10454.902
ESTBLISMNT	Establishment Charges	449.02
S_TRANSPRT	NULL	10410
S_CONTRIB	Contribution towards Employee Provident Fund Charges & ESI on Total labour charges at 25.61%	317.0772
S_LOCALITY	Locality Allowance @ 2.5% on Labour charges (applicable for areas mentioned in Dept)	518.1
S_CGST	CGST Cost	202.059
S_SGST	SGST Cost	202.059
Sub Total : 22553.2172		

ATTACHMENTS:

PERMITS:

Type _____ Number _____ Acquired Date _____

Requestor Name: _____ Date: _____

COMPLETION COMMENTS:

Start Date: _____ Time: _____ Completion Date: _____ Time: _____

FAILURE CODES:

Failure: _____ Repair: _____ Component: _____
Follow-up Action Required: _____

SUMMARY

<u>TASK NO</u>	<u>MATERIAL</u>	<u>LABOR</u>	<u>OTHER REQ</u>	<u>TOTAL</u>
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WORK ORDER REPORT

01	520500	1727	22553.2172	544780.2172
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OVERALL TOTAL	520500	1727	22553.2172	544780.2172
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150397-KAGGALIPURA OMU

WORK ORDER REPORT

Work Type: Serv Req

Priority:

Required: 03-SEP-22

Est. Start Date:

Task Status: PLANNING

Assigned To: BHIMANNA_X

Contractor :

Work Order

2153697

Task

01

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Budget Head :

Execution Method: SELF EXECUTION

Task Desc.: Layout: Field Study , Estimation and Execution. Consumer
Class: Layout**Service Req. No: 4427273**

Contact: PUNITH R

Address: KANAKAPURA MAIN ROAD

Landmark:

City/State/Zip: VGP, KAR 560052

Work Phone:

Ext:

Home Phone:

Call Back: N

Suite: UTTARAHALL

Problem Code/Desc: LAYOUT - New Layout

Problem Description: Layout: Field Study , Estimation and Execution. Consumer Class: Layout

Component ID:

Description:

Dept/Area: 150397-KAGGALIPURA OMU

Task Note Type	Notes
CERTIFICATE	Certified that I have inspected the spot and prepared this estimate by using current SR for the most economical and safest way of executing the work.
ADDRESS	Estimate Prepared for Electrification of Residential Layout in favour of Sri. Punith R, Sy No 124/3, Tharalu Village, Uttarahally Hobli, Bangaluru south taluk in O&M Unit-2 Kaggalipura, in K-3 Sub division, Bengaluru-82. (UNDER SELF EXECUTION WORK)
SO / AE	- Proposed to extend the 11KV line using 95 Sq.mm UG cable by distance of 100mtrs (LILO System) from F-03 feeder of Somanahally Muss. - Proposed to provide 02 nos of 12 Way LT feeder pillar box & 01 no of 8 Way Feeder Piller Box to provide LT supply to the 25 sites - Proposed to provide 120 Sq.mm 3.5core LT UG cable for distance of 0.45 KM (LILO System) - Proposed to provide a 02 nos 11mtr spun pole and structure with concrete bed for erection Transformers & Control of supply. - Proposed 05 Nos of LED Fittings with 1.1KV class 4X25sqmm UG Cable, streetlight meter Housing Box, meter, Automatic switch etc., to illuminate entire layout. UNDER SELF EXECUTION SCHEME duly collecting the necessary charges. * No alternative feeder near by the proposed layout. * No near by Distribution Transformer available. * The Proposed residential layout comes under Rural area. * Proposed LT & HT UG cables are in Loop In Loop Out (LILO) System.

COMPATIBLE UNITS:

Capital

INSTALL

Compatible Unit	Description	Qty	UOM	Difficulty
000000000000138	Erection of Pre - Stressed Tubular Spun Pole 11 Mtr Long -500 Kg WL	2	NO	NORMAL
000000000000137	Laying of 11kV, 3 Core, 95 Sqmm XLPE UG Cable Using Conventional L	2	SPAN	NORMAL
000000000000212	Laying of LT UG service main of size 3.5 core 120 Sq. MM 30 M	4	SPAN	NORMAL
000000000000177	LT Feeder Piller box 8 way with cutouts	1	NO	NORMAL

Submitted by: BHIMANNA_X

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000000000000178 LT Feeder Piller box 12 way with cutouts

2 NO

NORMAL

MATERIALS:

S.NO	Store	Stock Code	Item Description	Rate	Qty.Est	UOM	Amount(INR)	Utility Provided(Y/N)
1	NDS	200120	Pre-Stressed Tubular Spun Pole 11Mtrs Long	18140	2	NO	36280	N
2	NDS	288302	Heat Shrinkable outdoor type cable termination kit for XLPE cable 3X95 Sq.mm	3966	4	SET	15864	N
3	NDS	801034	Cable covering tiles 125x125x40 mm	5000	4	PK	20000	N
4	NDS	800651	Artificial Sand/Manufacture Sand	1488	12	CMT	17856	N
5	NDS	820672	RCC hume pipes 2000mm long 150mm dia	300	4	NO	1200	N
6	NDS	820703	Collars for RCC hume pipe 150mm dia	80	4	NO	320	N
7	NDS	802460	Route & joint indicating stone with M. s Anchor rod	130	4	NO	520	N
8	NDS	768052	GI Pipes B-Class GI Pipe-100 mm dia	1528	8	MTR	12224	N
9	NDS	287400	11kV, 3 Core, XLPE HTUG Cable (ROUND Armoured)-95 Sqmm	1115615	.1	KM	111561.5	N
10	NDS	300312	LT Feeder Piller box 12 way with cutouts	62878	2	NO	125756	N
11	NDS	300308	LT Feeder Piller box 8 way with cutouts	52399	1	NO	52399	N
12	NDS	287212	Armoured L.T.UG Cable 1.1kV Class 120Sq.mm , 3.5 core	632811	.45	KM	284764.95	N
13	NDS	281674	Grounding Materials for RMUs & Transformers G.I.Grounding pipe, B-Class, 40 mm dia,2.5 mtrs long, 2.9mm thick with bolts nuts,GI Strips and washers complete	770	4	NO	3080	N
14	NDS	607054	Grounding Materials for RMUs & Transformers Good Quality Salt for grounding	303	4	BG	1212	N



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			purposes packed in 50kg gunny bags					
15	NDS	600095	Grounding Materials for RMUs & Transformers Good Quality well burnt Charcoal for grounding purposes packed in non returnable gunny bags of 30kg each	660	4	NO	2640	N
16	NDS	288322	Heat Shrinkable Straight through jointing kits for XLPE cable with Copper lugs & Al ferrules 3X95 Sq.mm	7129	2	SET	14258	N
17	NDS	289036	PVC Insulated & Un- Sheathed Aluminium Wires, Single core multi strand 1.1 kV class PVC Wire- 240 Sq.mm	334.64	100	MTR	33464	N
18	NDS	358078	SMC Street Lighting Metering Box with Automatic Control Swith, Contactors with Single Phase 5-30 Amps meter & 50/5A CT	5954	1	NO	5954	N
19	NDS	446070	LED Tube Light Fitting with Tube	1000	5	NO	5000	N
20	NDS	778025	PVC Pipe-25 mm dia	80	35	MTR	2800	N
21	NDS	357519	Measuring Equipments - LT Three phase, 4wire, CT Operated DLMS complaint ETV meter-5A, class 0.5s Accuracy	3312	1	NO	3312	N
22	NDS	303201	9KV 5kA LA Metal Oxide Ceramic type with GROUND DISCONNECTOR(Dwg No. BESCOM/GM/QS&S/26 Dtd 24.11.2018)	975	3	NO	2925	N
23	NDS	622720	Supply of PVC Insulation tape	14	20	ROLL	280	N
24	NDS	280130	Three H Frame without Transformer Seating and Seating angle support X arm for 11 mtr Spun Pole for 63/100/250/500kVA (UG Cable) - GI	18477	2	SET	36954	N
25	NDS	821900	Transparent Alkathine tube 19mm dia, 2mm thick in coils of 30 mtrs	504	3	COIL	1512	N
26	NDS	287207	Armoured L.T.UG Cable 1.1kV Class 25 Sq.mm, 4	240813	.035	KM	8428.455	N



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Core

27	NDS	336040	L.T.Current Transformers CT Ratio-400/5A, Class-0.5 accuracy,3.75 VA, Ring type	563	4	NO	2252	N
28	NDS	301060	L.T.Distribution Box for 100 / 250 kVA DTC with MCCB's(SMC)	24559	1	NO	24559	N

Sub Total : 827376.

LABOR

S.NO	Stock Code	Item Description	Rate	Qty.Est	UOM	Amount(INR)	Utility Provided(Y/N)
1	L11KV.1.5.1	Digging of Pit 2.5 mtr depth for erection of 11mtr long tubular spun pole as per approved drawing in Ordinary Soil	1439	2	PI	2878	N
2	L11KV.2.7	Erection of 11mtr long Concrete spun pole in a pit of 2.5 mtr depth, aligning refilling with soil and ramming.	1216	2	NO	2432	N
3	.11KV.23.4.1	Heat shrinkable straight through joint for 3x95 to 3x150 sq.mm HT UG Cable	2145	.45	NO	965.25	N
4	.11KV.22.8.1	Fixing of Route Joint indicating Slabs for UG cable works.	86	4	NO	344	N
5	.11KV.22.1.1	UG Cable Work: Earth work excavation for cable trench of 0.5 to 0.75 mtr. Width and Depth upto 1 mtr. including trial pits, depositing on bank upto a lead of 50 mtrs, Supplying and Displaying necessary Danger Boards and Lighting, Using sight Rails and Sign Boards at every 100mtrs wherever necessary as directed in Ordinary Soil	260	60	CMT	15600	N
6	L11KV.22.7	UG Cable Work:Refilling the cable trenches with selected available earth from trench excavation including watering, consolidation in layers of 15 cm. Thickness including depositing of the surplus earth with a lead of 200 Mtrs.	58	50	CMT	2900	N
7	.11KV.22.8.1	Spreading and forming with sand all round the cable to a depth of 75 mm and width of 500 mm for UG cable works(sand charges are separate).	11570	.1	KM	1157	N
8	.11KV.22.8.6	UG Cable Work:Laying and Jointing the RCC pipes (100-150 mm), dia including lowering in Position: Fixing Collars etc., Joining with mud mortar complete	51	4	NO	204	N
9	.11KV.22.8.1	Covering cable with Tiles for UG cable works.	3292	.1	KM	329.2	N
10	.11KV.22.8.8	UG Cable Work:Laying the GI Pipe 80mm to 150 mm dia at Drainage Water Supply Crossing including fixing collars elbows, bends, Tees and other fitting with Cuts and	58	8	MTR	464	N



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WORK ORDER REPORT

		Threads wherever necessary complete.					
11	.11KV.24.1.5	Making and Fixing of Heat shrinkable type pot head for 3x95 to 3x150 sq.mm HT UG Cable only	1965	6	NO	11790	N
12	.11KV.23.1.1	Laying of 3x95 to 150 sq.mm HT UG cable in Existing trench/GI pipe/Stone Ware/RCC Hume pipe using Wooden/Aluminum Rollers as directed by the departmental staff	45284	.1	KM	4528.4	N
13	L11KV.21.4	Fixing of Sheet Metal/Deep Drawn Street Lighting Metering Box with Automatic Control Swith, Contactors with Single Phase 5-30 Amps meter 50/5A CT including wiring	715	1	NO	715	N
14	L11KV.4	Construction of platform with size stone, cement concrete for erection of 500 kVA Transformer/Heavy Equipment.Construction of platform (1.5x1.5x1.2) mtr in size stone, for erection of transformers/Heavy equipment including all materials, labour. Excavation of (1.5x1.5x1) mt pit for foundation providing and laying cement concrete 1:4:8 for foundation laid in 1cm thick layers, well compacted curing etc., complete providing and construction of stone masonry 0.9m below ground level and 1.2m above ground level neatly hammer dressed in cement mortar 1:6 cutting complete providing pointing to stone masonry in cement mortar 1:3 after racking joint & nisely lining curing etc., plastering the concrete surfaces in cement mortar 1:4 including smooth randering curing etc., curing at every stages completely.	30361	1	SC	30361	N
15	L11KV.13.5	Fixing of GOS including wiring (11kV SB 200A)	805	6	SET	4830	N
16	L11KV.2.12	Fixing of H Frame.	242	6	NO	1452	N
17	L11KV.10.3	Fixing Metering Box for housing the ETV Meter 3-ph 4 wire along with CT's, Meter & wiring for 250 kVA TC	1449	1	SET	1449	N
18	L11KV.1.8.2.	Providing cement concrete to 11 mtrs Spun Pole (1000x1000x2500mm) with CC 1:2:4 (without coping) [includes material and labour including necessary curing etc. (cost does not include excavation)]	14004	2	EACH	28008	N

Sub Total : 110407

OTHER REQUIREMENTS:

Requirement	Item Description	Amount(INR)
S_CONTING	Contingency Charges	187814.34
S_EMPLOYEE	Employee Cost	28519.881



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S_LOCALITY	Locality Allowance @ ೭. % on Labour charges (applicable for areas mentioned in Dept)	32907.555
ELE INSPEC		5000
S_GST		25667.89

Sub Total : 279909.6631

ATTACHMENTS:

PERMITS:

Type	Number	Acquired Date
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BANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

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WORK ORDER REPORT

SERVICE HISTORY:

Type: FLD REPORT

Category: LAYOUT

Attribute	Value
Adjacent Account ID	8653317812
SERVICE_POINT_ID of Adjacent Account ID*	3741020846
Date of Inspection	06-SEP-2022
Type of Layout	RESIDENTIAL
Case Id	1691236559
Total Project Area in Acres	01
Total Project Area in Guntas	26
Jurisdiction name	
Location of Premise	VGP
Site Dimesion 1	30*40
No. of Sites with Site dimension 1	4
Requested load in kW for Site Dimension1	20
Assessed load in kW for Site Dimension1	20
Site Dimesion 2	30*50
No. of Sites with Site dimension 2	6
Requested load in kW for Site Dimension2	42
Assessed load in kW for Site Dimension2	42
Site Dimesion 3	32*45
No. of Sites with Site dimension 3	15
Requested load in kW for Site Dimension3	102
Assessed load in kW for Site Dimension3	102
Site Dimesion 4	
No. of Sites with Site dimension 4	
Requested load in kW for Site Dimension4	
Assessed load in kW for Site Dimension4	
Site Dimesion 5	
No. of Sites with Site dimension 5	
Requested load in kW for Site Dimension5	
Assessed load in kW for Site Dimension5	
Site Dimesion 6	
No. of Sites with Site dimension 6	
Requested load in kW for Site Dimension6	
Assessed load in kW for Site Dimension6	
Site Dimesion 7	
No. of Sites with Site dimension 7	
Requested load in kW for Site Dimension7	
Assessed load in kW for Site Dimension7	
Site Dimesion 8	
No. of Sites with Site dimension 8	
Requested load in kW for Site Dimension8	
Assessed load in kW for Site Dimension8	
Site Dimesion 9	
No. of Sites with Site dimension 9	
Requested load in kW for Site Dimension9	
Assessed load in kW for Site Dimension9	
Site Dimension 10	



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WORK ORDER REPORT

SERVICE HISTORY:

Type: FLD REPORT

Category: LAYOUT

Attribute	Value
No. of Sites with Site dimension 10	
Requested load in kW for Site Dimension10	
Assessed load in kW for Site Dimension10	
Requested load for Water Supply (in HP)	
Requested load for Water Supply (in kW)	05
Requested load for Street lights (in kW)	05
Requested load for Sewage Treatment Plant (in KW)	
Requested load for Sewage Treatment Plant (in HP)	
Other Loads - MISC in KW	
Total requested load for the layout (converted in KW)	10.0
Any LT/HT/EHT line passing through the layout	
Asset id of LT/HT/EHT	
Account IDs to be surrendered*	N
Transformer Capacity in MVA	20+12.5
Peak Load of Sub Station (Amps)	130
Bank No	01
Peak Load of the Bank (Amps)	
Feeder Name*	F03-VEDA-VIGNANA
Peak Load of the feeder(Amps)	
Location of nearest DTC	
Asset id of DTC	10001620450
Capacity of the transformer	
Total connected load of DTC	
HT Voltage Regulation in %*	6
Is MT inspection required*	N
Factory Inpection required*	N
Joint inventory required*	Y
Is Fee to be charged for dry type transformer, if proposed	N
Cable precommissioning test and charges required*	N
RMU pre commissioning test and Charges required*	N
LBS pre commissioning test and Charges required*	N
Supervision Charges required	Y
Decommisioning of Assets required	N
Additional Documents Required,please specify	
Whether space provided for sub station (y / n)	
Any other details	

Requestor Name: _____

Date: _____



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WORK ORDER REPORT

COMPLETION COMMENTS:

Start Date: _____ Time: _____ Completion Date: _____ Time: _____

FAILURE CODES:

Failure: _____ Repair: _____ Component: _____
Follow-up Action Required:

SUMMARY

<u>TASK NO</u>	<u>MATERIAL</u>	<u>LABOR</u>	<u>OTHER REQ</u>	<u>TOTAL</u>
01	827375.905	110406.85	279909.6631	1217692.4181
OVERALL TOTAL	827375.905	110406.85	279909.6631	1217692.4181