

Institute of Entrepreneurship Development, Odisha (IEDO)
Sector –A, Zone-A, Mancheswar, Bhubaneswar-751010,

Odisha
Ph:0674585609
Website: www.iedodisha.nic.in

MAA DURGA BAMBOO FOUNDATION
At- ROHIBANKA, P.O. ROHIBANKA, Dist- NAYAGARH, Odisha, PIN-752090

Telephone/Fax No- 06758-250305/296254 Mob No- +91 8018681234/6372129839

Mail: spfoundation@yahoo.com

Website: www.spfoundationindia.org

TENDER DOCUMENTS

FOR THE WORK: ESTIMATE FOR CONSTRUCTION OF 11 KV LINE WITH INSTALLATION OF 100 KVA 11/4KV S/S TOWARDS POWER SUPPLY OF 55 KW LOAD (ON MI TARIFF) TO THE BAMBOO CRAFT CLUSTER AT ODOGOAN, NAYAGARH, OVER PLOT NO- 2714/ 3908 KHATA NO-412/167, ROHIBANKA, ODAGOAN,NAYAGARH “.

FOR
ROHIBANKA BAMBOO CRAFT CLUSTER, NAYAGARH DISTRICT IN ODISHA

ESTIMATE FOR CONSTRUCTION OF 11 KV LINE WITH INSTALLATION OF 100 KVA 11/4KV S/S TOWARDS POWER SUPPLY OF 55 KW LOAD (ON MI TARIFF) AT ROHIBANKA BAMBOO CRAFT CLUSTER ODAGOAN BLOCK OF NAYAGARH DISTRICT

IN
ODISHA

MAY, 2023

**S.P. FOUNDATION****A PHILANTHROPIC ORGANISATION**
Regd. No-PR No-7421-24 of 2013-2014+91 8018681234/9437090315
Tel for - 06758 296254/250305

www.spfoundationindia.org



spfoundation@yahoo.com



S.P. Foundation



S.P. Foundation

**Regd. Office- At-Guhalpada, P.O./P.S.Nimapada, Dist:Puri, Odisha, PIN-752106**

Ref. No. 04/SPF/2023-24



Date. 20-05-2023

TENDER NOTICE

(Estimate For Construction of 11 KV Line with Installation Of 100 KVA 11/4kV S/S Towards Power Supply Of 55 Kw Load (On MI Tariff) in Rohibanka Bamboo Craft Cluster, Odagaon, and Nayagarh, Odisha)

Sealed tenders are invited from empanelled licensed Electrical Engineers / Contractors of TPCODL for **Construction Of 11 KV Line with Installation Of 100 Kva 11/4kv S/S Towards Power Supply Of 55 Kw Load (On MI Tariff)** Odagaon Block of Nayagarh District. In Odisha being facilitated by **MAA DURGA BAMBOO FOUNDATION**. Tender should be submitted in (financial bid) along with earnest money of Rs. 30,000/- (Rupees Thirty Thousand only) and can be deposited in favor of S.P. Foundation, Nimapada up to 05.00 PM of Dt.3.6.2023. Tenders received will be opened before the Technical Committee of the proposed work on Dt. 05.06.2023 at 11.00 AM.

This is a percentage-based tender. Tender form can be obtained from S.P. FOUNDATION, At-Guhalpada, P.O. Nimapada, Dist - Puri, Odisha, and PIN 752106 on any working day between Dt. 21.05.2023 to Dt.03.06.2023 from 10.00 AM to 05.00 PM by payment of Rs. 500/- / Tender forms can also be downloaded from the web site of IED, Odisha. www.iedodisha.nic.in and www.spfoundationindia.org. A demand draft of Rs.500/- purchased in favor of S.P. FOUNDATION should be enclosed along with the Bid for the Tender Form downloaded from the website.

The details of works and Terms and Conditions are available in the Tender Form. The Chairman, S.P. FOUNDATION, Nimapada reserves the right to cancel any or all the Tenders without assigning any reason.

Best Regards**Chairman****S.P. Foundation****Mr. Swetaparna Roy Mohapatra****Chairman****S.P. Foundation**

Bid: -Scope of work

SL NO	DESCRIPTION OF WORK	Gross amount	6% S C	18% GST on 6% S.C	Total (6% S C+ 18% GST on 6% S C)
1	PART- A Installation of 100 KVA 11/4 KV DP mounted S/S over 9 mtr long 300 kg. PSC = 01 No	5,68,180.14	27,198.84	4,895.79	32,094.63
2	PART-B- Construction of 11 KV 3 Ø3W line using 55 mm2 AAAC=0.7 km	9,97,888.44	47,815.25	8606.74	56,421.99
Total Estimate cost		15,66,068.58	75,014.08	13502.53	88,516.62

Charges Details

SL No	DESCRIPTION OF D.D	Gross amount	CGST Rate	CGST amount(Rs)	SGST Rate	SGST Amount (Rs)	Total Amount (Rs)
1	Security Deposit	1,56,152.00	0.00%	0.00	0.00%	0.00	1,56,152.00
2	Processing Fees	200.00	9.00%	18.00	9.00%	18.00	236.00
3	Service Connection Charges	29,834.73	9.00%	2,685.13	9.00%	2,685.13	35,204.99
4	Round	0.49	0.00%	0.00	0.00%	0.00	0.49
Total cost							1,91,593.48

Total Project cost- Rs.17,57,662.48/-

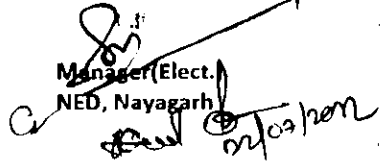
TP CENTRAL ODISHA DISTRIBUTION LTD.

Name of the Division :- NAYAGARH ELECTRICAL DIVISION, NAYAGARH		Date: _____
Name of the Sub-Division :- Nayagarh		
Name of the Section :- Odagaon-I		
Name of the Work :-	Estimate for construction of 11KV line with installation of 100KVA 11/4KV S/S towards power supply of 55KW load (on MI Tariff) to the Bamboo Craft Cluster of S.P Foundation, C/O-Chairman Smt. Swetaparna Roy Mohapatra, site at-Rohibanka, Dist.-Nayagarh under Electrical Section Odagaon-I.	
Scope of work:-	PART -A : Installation of 100KVA, 11/4 KV DP mounted S/S over 9mtr long 300Kg. PSC =01 No PART-B: Construction of 11KV 3Φ 3W line using 55mm2 AAAC=0.7Km.(Using 9 Nos of 9mtr. Long 300Kg. PSC pole & 10 Nos of 150x150mm RS joist) & Installation of 11KV isolating DP over 9mtr long 300Kg. PSC =01 No	
Type of Scheme	New Service connection	
Load Requirement (KVA)	55KW	
Supply Voltage	LT	
Names of Schemes:-	6% Deposit work	

Abstract of Estimate				
Sl. No.	Description	Gross Amount	6% S.C	Total(6% S.C+18% GST on 6% S.C)
1	PART -A : Installation of 100KVA, 11/4 KV DP mounted S/S over 9mtr long 300Kg. PSC =01 No	568,180.14	27,198.84	32,094.63
2	PART-B: Construction of 11KV 3Φ 3W line using 55mm2 AAAC=0.7Km.	997,888.44	47,815.24	56,421.99
	Total Estimated cost	1566068.58	75014.08	88516.62

Total amount Rs. 84,680.00 to be deposited by party (Eighty Four Thousand Six Hundred & Eighty) only.

- NOTE**
- All materials to be procured as per standard TPCODL specifications.
 - All equipments to be installed as per TPCODL standard drawings and guidelines.
 - Necessary clearances must be taken from Concern in-charge before work execution.
 - Any ROW issues arising during construction of line shall be taken care by Party, Before and after Charging.
 - Any changes in Scope of work may lead to revision in estimate.


 Manager (Elect.)
 NED, Nayagarh

		No. of DP Mounted DSS (Ref. Drawing No.- TPCODL-.....)				1	
MATERIALS FOR DP Mounted DSS							
Sl. No.	SAP Code	Description of Materials	Unit	Unit Rate	Total Quantity	Total Amount	
SUPPLY OF FOLLOWING EQUIPMENT & MATERIALS							
1	601000329	PSC POLE 9 METER LONG 300 KG					
2	601000625	Pole Clamp	No		2		
3	601000704	Top Channel GI 100 X 50 X 6 MM (3000 mm long) (9.56Kg./Mtr, 2 No's.) (Each 2x3.000x9.56= 57.36 Kg)	EA		14		
4	601000679	Fish Plate 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 6 no's required = (6x2.36x0.280)	Kg		57		
5	601001267	M.U Channel GI 75x40x4.8 mm (3000 mm long)(7.14Kg./Mtr., 2 No's.) (Each 2x3.000x7.14= 42.84 Kg)	KG		4		
6	601001267	AB Switch Mounting Channel 75x40x4.8 mm GI Channel (3000 mm long)(7.14Kg./Mtr., 2 No's.) (Each 2x3.000x7.14= 42.84 Kg)	Kg		43		
7	601001267	AB Switch Side Support Channel 100X50X6mm,9.56 KG/Mtr., each channel length 0.35 mtr., 2 no's channel required =(9.56x2x0.35)	Kg		43		
8	601001267	Channel Support for down Pipe 75X40X 4.8mm., 7.14Kg/Mtr., each channel length 0.8 Mtr., 1 no's channel required =(7.14x0.8x1)	Kg		7		
9	601001267	HG/ DO Fuse Mounting Channel 75x40x4.8 mm GI Channel (3000 mm long)(7.14Kg./Mtr., 2 No's.) (Each 2x3.000x7.14= 42.84 Kg)	Kg		6		
10	601001267	Cantilever Support Channel 75x40x4.8 mm GI Channel (810 mm long,2 No's.) (7.14Kg./Mtr., 2 No's.) (Each 2x0.810x7.14= 11.57 Kg)	Kg		43		
11	601000689	Cantilever Support Angle 50 X 50 X 6MM,GI (1282 mm long) (4.5Kg./Mtr, 2 No's.) (Each 2x1.282x4.5= 11.54Kg)	Kg		12		
12	601000704	Transformer Base GI Channel 100 X 50 X 6 MM (3000 mm long) (9.56Kg./Mtr, 2 No's.) (Each 2x3.000x9.56= 57.36 Kg)	Kg		12		
13	601000704	Transformer Base Support GI Channel 100 X 50 X 6 MM (515 mm long) (9.56Kg./Mtr, 2 No's.) (Each 2x0.515x9.56= 9.85Kg)	Kg		10		
14	601000689	Transformer Belting Angle 50 X 50 X 6MM GI (3000 mm long)(4.5Kg./Mtr, 2 No's.) (Each 2x3.0x4.5 Kg)	Kg		27		
15	601000689	Transformer Belting Support Angle 50 X 50 X 6MM GI (580 mm long)(4.5Kg./Mtr,2 No's.) (Each 2x0.580x4.5= Kg)	Kg		5		
16	601000689	LTDB Mounting Angle 50 X 50 X 6MM GI (1000 mm long)(4.5Kg./Mtr, 2 No's.) (Each 2x1x4.5 Kg)	Kg		9		
17	601000685	Back Clamp for danger Plate 25X3 mm flat, 0.59Kg/Mtr. Flat of 0.510mtr length 2 no's (Each 2x0.59x0.510)	Kg		1		
18	601000679	50x6mm GI Flat for earthing, 2.36kg/mtr., (2.5x7 mtr. For mesh formation, 12 Mtr. For LA and 2.5 mtr. For fensing, 11 mtr for AB switch, 2.8 mtr for HG Fuse, 5x2 mtr. for DTR Neutral (1.3+4.5) mtr. For DTR Body, 0.500 mtr for LTDB & AB Switch operating handle, 3 mtr. for Fencing) (Each 65.6x 2.36= 154.81 Kg)	KG		155		
19	101000329	100 KVA, 11/ 0.4 KV (AL) Transformer BIS Energy level II	Nos.		1		
20	601000188	LT Distribution Box with MCCB, Aluminium Busbar of single Bay with kit kat fuse for 100 KVA S/S	Nos.		1		
21	401000080	55mm ² All Alloy Aluminum Conductor (AAAC) - PVC Insulated (50 Mtr. Each Dtr.)	Km		0		
22	401000982	4 Cx 150 mm ² LT XLPE Cable(Armoured) FOR 100 KVA Tr.	Mtr.		15		
23	101000036	AB Switch(11KV,200A,3pole,50Hz)	Set.		1		
24	601000104	H.G.Fuse(11KV,200A,3Pole)	Set		1		
25	601000316	PG Clamp for 55 sq.mm AAA conductor	No		6		
26	601000181	Disc insulator (B&S)70 KN polymer	No		3		
27	601000296	H W fitting (B&S)70KN(3bolted)	Set		3		
28	601000099	Lightning Arrester(12KV,10KA) Station Class 2	Nos		3		
29	601000178	11KV pin insulator polymer	No		3		
30	601000585	HT stay set complete	Set		2		
31	601000154	HT stay Clamp (1.9Kg/pair)	Pair		2		
32	601000612	HT stay insulator TYPE-C	No		2		
33	701000011	7/10 SWG GI stay wire, Grade -2 (15Kg/ Set)	Kg		30		
34	601000405	40 mm Nominal bore GI pipe (medium gauge) earthing device with 3 mtr Long	No		7		
35	501000148	GI Nuts & Bolts of Assorted size (25 Kg/DSS DP)	Kg		25		
36	701000016	GI Barbed wire/Anticlimbing device (3Kg/PPole)	Kg		6		

37	601000262	Danger plate 11kv	No		2	
38	301000878	Name plate	No		1	
39		Structure Numbering and Marking				
39.i	501000298	Yellow Colour Paint for Background	Ltr		2	
39.ii	501000296	Black Colour Paint for numbering	Ltr		1	
A		Total Cost of materials				
B		Stock, Storage & Insurance i.e 3% of A				
C		Sub Total (A+B)				
D		Contingency @ 3% of C				
E		Tools & Plants @ 2% of C				
F		Transportation @ 7.5% of C				
G		Erection Charges @ 5% on Trf/Breaker/WPB/ H-Pole				
H		Erection Charges @ 10% of C (except Trf/Breaker/WPB/ H-Pole/HT stay set/PSC Pole)				
I		Erection Charges @ 20% of PSC pole- Not to be used for 33kv				
J		Sum of (C to I)				
Civil and Services Works						
1		Concreting ratio 1:1.5:3 (500mmX500mmX1500mm) = 0.375 Cu.mtr	Cu.mtr		0.75	
2	201008	Fixing of stay set with 0.5Cum cement concrete foundation 1:3:6 size (900mmx600mmx900mm) using 40mm BHG metal with all labor and material except stay set , stay wire , stay insulator .	No.		2	
3	200017	Installation of Earth Pit, Charcoal, Salt etc including construction of earthing chamber (Size: 2'x2') and RCC slab cover	No.		7	
4		Supply and Erection of GI Fencing with Gate	Sqmtr.		20	
K		Total Civil & Services				
L		Total (J+K)				
M		Other overheads (Including 6% supervision charges) of L				27,198.84
N		Sub Total (L+M)				
O		Total GST @ 18% of (N)				
P		Gross Total Material +Services (N+O)				
Q		Inspection Fee of Transformer (50kVA to 250KVA)				
R		Inspection Fee of LV Cable				
S		Inspection Fee of Drawing Checking and Approval				
T		Final decision by electrical Inspector				
U		Gross Total Material, Services and Inspection Fees (P+Q+R+S+T)				568,180.14

11kV Line Length with 50 Mtr. Span using 55 SQ.MM. AAA Conductor

No. of DP required With AB Switch
(Ref. Drawing No.- TPCODL.....)

1

MATERIALS OF DP With AB Switch

Sl. No.	SAP Code	Description of Materials	Quantity for 1 No's Dp	No. of DP Requirement	Unit Rate	Total Quantity	Total Amount	
1	601000329	PSC POLE 9 METER LONG 300 KG	2	1		2		
2	601000625	Pole Clamp	8	1		8		
3	601000704	Top Channel 100X50X6mm, 9.58 KG/Mtr., each channel length 3 mtr., 2 no's channel required =(2x9.58x3)	57.36	1		57.36		
4	601000679	Fish Plate 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 6 no's required = (6x2.36x0.280)	3.96	1		3.9648		
5	601001267	AB switch Mounting Channel 75X40X4.8mm, 7.14KG/Mtr, each channel length 3 Mtr., 2 no's channel required =(7.14x3x2)	42.84	1		42.84		
6	601000704	AB Switch Side Support Channel 100X50X6mm,9.58-KG/Mtr., each channel length 0.35 mtr., 2 no's channel required =(9.58x2x0.35)	6.69	1		6.692		
7	601001267	Channel Support for down Pipe 75X40X 4.8mm., 7.14KG/Mtr., each channel length 0.8 Mtr. , 1 no's channel required =(7.14x0.8x1)	5.71	1		5.712		
8	601001267	Double Pole Belting Channel 75X40X 4.8mm., 7.14KG/Mtr., each channel length 3 0 Mtr., 2 no's channel required =(7.14x3x2)	42.84	1		42.84		
9	601000689	50x50x6mm,GI Bracing Angle, 4.5Kg./mtr., each angle length 3.512 mtr., 2 nos angle required = (4.5x3.512x2)	31.61	1		31.608		
10	601000262	Danger Plate, 2 no's	2	1		2		
11	601000688	Back Clamp for danger Plate 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 2 no's = (2x0.59x0.510)	0.60	1		0.6018		
12	601000154	H.T. Stay clamp, 50x8 mm. flat, 3.14Kg/Mtr., 0.551 Mtr. Length, 2 no's qty required (1 Pair)	2	1		2		
13	601000585	H.T. Stay set (Complete)	2	1		2		
14	601000154	H.T. Stay Insulator Type-C	2	1		2		
15	701000011	7/10 SWG Stay Wire 15kg /stay	30	1		30		
16	601000405	GI Pipe Earthing 40mm. 3 Mtr. Long	2	1		2		
17	601000679	50x6mm GI Flat for earthing, 2.36kg/mtr., (12.5 Mtr. For L.A, 3 Mtr for AB Switch Body, 2.5 mtr. For mesh formation, and 2.5 mtr. For raising)= 20.5x2.36	48.38	1		48.38		
18	701000016	GI barbed wire anticlimbing device 3 Kg. Per support, 2 no's qty. required =(2x3kg)	6	1		6		
19	601000685	Back Clamp for anticlimbing device 25X3 mm flat, 0.59Kg/Mtr. Flat of 0.510mtr length 8 no's = (8x0.59x0.510)	2.41	1		2.4072		
20	601000099	Lightning Arrester(12KV,10KA) (Station Class, class-2)	3.00	1		3		
21	601000731	AB Switch (11KV,400A,3pole,50Hz)	1	1		1		
22	601000171	11 KV pin insulator polymer	3	1		3		
23	601000298	H W fitting(B&S) 70KN, 3Bolt	6	1		6		
24	601000123	Disc insulator (B&S) 70 KN polymer	6	1		6		
25	601001224	PG Clamp for 55 sq.mm AAA conductor	6	1		6		
26	501000148	GI Nut , Bolt & Washer of different sizes (13.718 Kg each DP with	13.72	1		13.718		
27	501000296	Black Paint	1	1		1		
28	501000298	Yellow Colour Paint for Background	2	1		2		
A		Total Cost of materials						
B		Stock, Storage & Insurance i.e 3% of A						
C		Sub Total (A+B)						
D		Contingency @ 3% of C						
E		Tools & Plants @ 2% of C						
F		Transportation @ 7.5% of C						
G		Erection Charges @ 5% on Tr/Breaker/Joist						
H		erection Charges @ 10% of C (except Tr/Breaker/WPB/ H-Pole/HT stay set/PSC pole)						
I		Erection Charges @ 20% of PSC pole- Not to be used for 33kv						
J		Sum of (C to I)						

Civil & Services

Sl. No.	SAP Code	Description of Materials	Quantity for 1 No's Dp	No. of DP Requirement	Unit Rate	Total Quantity	Total Amount	
1		Fixing of complete 11KV line Complete stay set including 1) Turn Buckle Assembly 2) Stay Rod & Stay plate 3) Stay Insulator 4) Stay Wire 5) Stay clamps with Nuts & bolts BA will do the excavation including excvavation, supply of 0.5Cum cement concrete foundation 1 2 4 size (500mmx500mmx800mm) using 20mm BHG metal with all labour and material as per TPCODL Drawing & Standard.	2	1		2		
2		Concreting ratio 1.1.5.3 (500mmX500mmX1500mm) of 0.375Cu mtr	0.75	1		0.75		
3		Installation of Earth Pit, Charcoal, Salt etc including construction of earthing chamber (Size 2'x2') and RCC slab cover	2	1		2		
K		Total Civil & Services						
L		Total (J+K)						

M		Other overheads (Including 6% supervision charges) of L (for DP With AB Switch)
N		Sub Total (L+M)
O		Total GST @ 18% of (N)
P		Gross Total Material +Services (N+O) for DP With AB Switch

No. of Cut Point with 90 Degree Angle
(Ref. Drawing No.- TPCODL-MVD-0005)

4

MATERIALS FOR 11 KV Cut Point with 90 Degree Angle

Sl. No.	SAP Code	Description of Materials	Quantity for 1 No's CP	No. of Cut Point	Unit Rate	Total Quantity	Total Amount
1	601000329	PSC POLE 9 METER LONG 300 KG (Including 02 Nos of Strut	1	4		4	
1	601000656	150X150mm RS joist (10 Mtr long)(34.6kg Per meter) (Each 346kg) (Including 02 Nos of Strut pole)	1	0		4	
2	601000625	Pole Clamp	2	4		8	
3	601000704	Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 1.2 mtr., 4 no's channel required =(4x9.56x1.2)	45.89	4		183.552	
4	601000679	Fish Plate 50x6 mm., 2.36 kg/Mtr., each 0.280 mtr. length, 16 no's required = (16x2.36x0.280)	10.57	4		42.2912	
5	601000704	Straight Cross Arm 100X50X6mm, 9.56 KG/Mtr., each channel length 0.306 mtr., 4 no's channel required =(4x9.56x0.306)	11.70	4		46.80576	
6	601000262	Danger Plate, 1 no's.	1	4		4	
7	601000685	Back Clamp for danger Plate 25X3 mm flat, 0.59Kg/Mtr. Flat of 0.510mtr length 1 no's = (1x0.59x0.510)	0.30	4		1.2036	
7	701000016	GI barbed wire anticlimbing device 3 Kg. Per support	3	4		12	
8	601000685	Back Clamp for anticlimbing device 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 4 no's = (4x0.59x0.510)	1.20	4		4.8144	
10	601000171	11 KV pin insulator polymer	3	4		12	
11	601000296	H W fitting(B&S) 70KN, 3Bolt	6	4		24	
12	601000123	Disc insulator (B&S) 70 KN polymer	6	4		24	
13	601000593	Earthing of Support (Coil Type)		4		4	
14	701000007	No-8 GI wire (Dia 4.6mm) 0.131 KG/ Mtr. - 2 Mtr. For connecting pole with Coil earthing	0.262	4		1.048	
15	601001224	PG Clamp for 55 sq.mm AAA conductor	6.000	4		24	
16	601000154	H.T. Stay clamp, 50x8 mm. flat, 3.14Kg/Mtr., 0.551 Mtr. Length, 2 no's qty. required (1 Pair)	1.102	4		3	
17	601000585	H.T. Stay set (Complete)	2	4		3	
18	601000154	H.T. Stay Insulator Type-C	2	4		3	
19	701000011	7/10 SWG Stay Wire 15kg /stay	30	4		45	
20	501000148	GI Nut , Bolt & Washer of different sizes (7.433 Kg each Cut Pole)	7.43	4		29.732	
21	501000296	Black Paint	1	4		2	
22	501000298	Yellow Colour Paint for Background	2	4		8	
A						Total Cost of materials	
B						Stock, Storage & Insurance i.e 3% of A	
C						Sub Total (A+B)	
D						Contingency @ 3% of C	
E						Tools & Plants @ 2% of C	
F						Transportation @ 7.5% of C	
G						Erection Charges @ 5% on Trf/Breaker/Joist	
H						Erection Charges @ 10% of C (except Trf/Breaker/WPB/ H-Pole/HT stay set/PSC pole)	
I						Erection Charges @ 20% of PSC pole- Not to be used for 33kv	
J						Sum of (C to I)	

Civil & Services

Sl. No.	SAP Code	Description of Materials	Quantity for 1 No's CP	No. of Cut Point	Unit Rate	Total Quantity	Total Amount
1		Fixing of complete 11KV line Complete stay set includes 1) Turn Buckle Assembly 2) Stay Rod & Stay plate 3) Stay Insulator 4) Stay Wire 5) Stay clamps with Nuts & bolts BA will do the excavation including excvaton. supply of 0.5Cum cement concrete foundation 1.2.4 size (500mmx500mmx800mm) using 20mm BHG metal with all labour and material as per TPCODL Drawing & Standard	2	4		3	
2		Concreting ratio 1:1.5:3 (500mmX500mmX1500mm). = 0.375 Cu.mtr (including strut pole)	0.38	6		2.3	

Total Civil & Services

Total (J+K)

M		Other overheads (Including 6% supervision charges) of L (for 11 KV Cut Point with 90 Degree Angle)
N		Sub Total (L+M)
O		Total GST @ 18% of (N)
P		Gross Total Material +Services (N+O) for 11 KV Cut Point with 90 Degree Angle

11 Kv Line Length In KM with 50 Mtr. Span
(Ref. Drawing No.- TPCODL-MVD-0003)

0.7

MATERIALS FOR 11 KV Pin Points With WPB

Sl. No.	SAP Code	Description of Materials	Quantity for 1 KM Line	For Circuit Km	Unit Rate	Total Quantity	Total Amount
1	601000329	PSC POLE 9 METER LONG 300 KG	18	0.7		5	
1	601000656	150X150mm RS joist (10 Mtr long)(34.6kg Per meter) (Each 346kg)	1	0		6	

2	601000625	GI Back Clamp for V cross arm (11KV) (0.85 kg each)	16	0.7		11	
3	601000587	11 KV V cross Arm (10.2 K.g. each)	16	0.7		11	
4	601000619	Top bracket 100x50X8 mm GI channel (2kg each)	16	0.7		11	
5	601000262	Danger Plate, 1 no's for each pole	16	0.7		11	
6	601000685	Back Clamp for danger Plate 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 1 no's = (1x0.59x0.510)	4.81	0.7		3.31	
7	701000016	GI barbed wire anticlimbing device 3 Kg. Per support	48	0.7		33.00	
8	601000685	Back Clamp for anticlimbing device 25X3 mm. flat, 0.59Kg/Mtr. Flat of 0.510mtr length 4 no's = (4x0.59x0.510)	19.26	0.7		13.24	
9	601000171	11 KV pin insulator polymer, 3 Nos. required for each support	48	0.7		33	
10	601000593	Earthing of Support (Coil Type)	16	0.7		11	
11	701000007	No-8 GI wire (Dia 4.6mm) 0.131 KG/ Mtr. - 2 Mtr. For connecting pole with Coil earthing	4.192	0.7		2.88	
12	501000148	GI Nut, Bolt & Washer of different sizes (1.45 Kg/ Pin Point)	23	0.7		15.95	
13	401000090	55 mm2 AAAC	3.09	0.7		2.16	
14	401000626	Crimping type Midspan Compression Joint for 55 sq mm AAA	3	0.7			
15	501000296	Black Paint	16	0.7		10.0	
16	501000298	Yellow Colour Paint for Background	32	0.7		12.0	
A							Total Cost of materials
B							Stock, Storage & Insurance i.e 3% of A
C							Sub Total (A+B)
D							Contingency @ 3% of C
E							Tools & Plants @ 2% of C
F							Transportation @ 7.5% of C
G							Erection Charges @ 5% on Trf/Breaker/WPB/ H-Pole
H							Erection Charges @ 10% of C (except Trf/Breaker/WPB/ H-Pole/HT stay set/PSC pole)
I							Erection Charges @ 20% of PSC pole- Not to be used for 33kv
J							Sum of (C to I)
Civil & Services							
1		Concreting ratio 1:1.5:3 (500mmX500mmX1500mm) = 0.375 Cu mtr	6.00	1	6,500.00	1.88	
K							Total Civil & Services
L							Total Material+Services (I+K)
M							Other overheads (Including 6% supervision charges) (for 11 KV Pin Points With WPB)
N							Sub Total (L+M)
O							Total GST @ 18% of (N)
P							Gross Total Material +Services (N+O) for 11 KV Pin Points With WPB
6% Supervision Charges Summary							
1		Other overheads (Including 6% supervision charges) of L (for DP Without AB Switch)					
2		Other overheads (Including 6% supervision charges) of L (for DP With AB Switch)					
3		Other overheads (Including 6% supervision charges) of L (for 11 KV Cut Point with 180 Degree Angle)					
4		Other overheads (Including 6% supervision charges) of L (for 11 KV Cut Point with 90 Degree Angle)					
5		Other overheads (Including 6% supervision charges) (for 11 KV Pin Points With WPB)					
							Total (6% supervision charges)
							47,815.24
Gross Total Summary							
1		Gross Total Material +Services (N+O) for DP Without AB Switch					
2		Gross Total Material +Services (N+O) for DP With AB Switch					
3		Gross Total Material +Services (N+O) for 11 KV Cut Point with 180 Degree Angle					
4		Gross Total Material +Services (N+O) for 11 KV Cut Point with 90 Degree Angle					
5		Gross Total Material +Services (N+O) for 11 KV Pin Points With WPB					
Q		Inspection Fee of Over Head Line (HT) - Rs. 200 for 1st 5 km.					
R		Inspection Fee of Over Head Line (HT) - Rs. 30/ Additional Km					
S		Inspection Fee of Drawing Checking and Approval					
T		Final decision by electrical Inspector					
U							Gross Total Material, Services and Inspection Fees (P+Q+R+S+T)
							997,888.44

TENDER FORM

(Construction Of 11 KV Line with Installation Of 100 Kva 11/4kv S/S Towards Power Supply Of 55 Kw Load (On MI Tariff)for Maa Durga Bamboo Foundation, Bamboo Craft Cluster, Odagaon, Nayagarh)

Tender Form is issued to: - 21.05.2023

Date of issue of tender form: - 03.06.2023



Signature of issuing authority

Terms and Conditions:

- 1- The minimum turnover of the bidder firm for the last year (2021-22) should be Rs.50.00 lakhs with last 3years completion certificates of Electric contract activities.
- 2- The bidder firm should have minimum three-year experience in working on electrical work with TPCODL or equivalent Government department.
- 3- The Bidder should be empaneled agency/contractor under TPCODL list.
- 4- The tender should be submitted in the prescribed tender form.
- 5- The tender forms can be obtained from **S.P. FOUNDATION, At-Guhalapada, P.O. Nimapada, District-Puri, Odisha, and PIN-752106 on any working day from Dt. 21.05.2023 to Dt. 03.06.2023 between 10.00am to 05.00pm by depositing an amount of Rs.500 /-** (Tender fees Non-refundable).
- 6- Tender form should be deposited along with Bid and the earnest money of Rs.30,000/- at above address on or before 05:00 pm of **Dt. 03.06.2023**. Earnest money can be paid through DD purchased in favor of S. P. **FOUNDATION**. The tender received will be opened before the technical committee on **Dt.05.06.2023**. Exempted bidder should submit the supporting documents with the tender.
- 7- The bidder firm should submit tender for the whole works. Tender for partly works will not be accepted.
- 8- Earnest money can be forfeited incase of withdrawal of bid or not completing the work.
- 9- If the work is not found as per specifications or unsatisfactory the payment of whole or equivalent amount can be with held.
- 10- T.D.S. and other taxes will be deducted as per norms from the payments.
- 11- Chairman, S.P. FOUNDATION, Puri District has reserved the right to accept the bid partially/in full or may reject any or all the bids without assigning any reason thereof.

12- The total approved estimated cost for **Construction Of 11 KV Line with Installation Of 100 Kva 11/4kv S/S Towards Power Supply Of 55 Kw Load (On Mt Tariff)**at Bamboo craft cluster maximum budget provisioned for the activity is **Rs.17,57,662.48/-**.Thus, financial bid of tendered firm should not exceed the maximum limit approved.

13- The maximum time frame given for completion of construction is 3months.

The detailed work estimates as given above in **Annexure I**.

Declaration: -

I do hereby agree to a bid by all the terms and conditions mentioned above.

(Signature of the authorized person/proprietor/agency)

Name:
Designation:
Name of firm:
Phone/Mob:
EmailId:

Sealofthefirm:

TENDER FORM

Construction Of 11 KV Line with Installation Of 100 Kva 11/4kv S/S Towards Power Supply Of 55 Kw Load (On MI Tariff)for Maa Durga Bamboo Foundation, Bamboo Craft Cluster, Odagaon, Nayagarh)

Tender Form issued to: - _____

Date of issue of tender form: - _____



Signature of issuing authority

Details of firm/agency

1. Name of Firm/Agency:
2. Registered Address of Firm/Agency:
3. Name & Phone No. of co-coordinator/contactperson:
4. Type of Firm/Agency:
5. Registration No.:
6. License No of TPCODL:
7. Year of Commencement of work of the Firm/Agency:
8. Turnover of Firm/Agency for the year (2021-22):
9. Details of Human resources:(Manpower with the firm/Agency)
10. PAN/ServiceTaxNo. of the Firm/Agency: (Please enclose photocopy)
11. Description of activities done by: Firm/Agency in past (Please enclose copies of work order/photographs should not be less than the rank of Executive Engineer/Engineer TPCODL orequivalent thereof)
12. Action plan for present activity
13. Other details,(If any):

Miscellaneous: -

1. The minimum turnover of last year (2021-22)of the Bidder Firm/Agency should beRs.50.00 Lakhs.
2. The Bidder Firm will submit plan for the tender activities.
3. A demand draft of Rs.30, 000.00 (Rupees Thirty Thousand only) will is enclosed with the bid as earnest money. The draft will be in favor of S.P. **FOUNDATION**. Exempted bidder should submit the supporting documents.

4. Balance Sheet prepared by chartered Accounts for the last three years will invariably be enclosed along with bid.

5. Copy of up-to date license copy as TPCODL empaneled contractor/ agency.

6. Copies of Income Tax returns for the last three years will be enclosed with bid.

7. Copy of PAN/Service Tax Registration Certificate will be enclosed with bid.

8. The profile and following details of bidder firm/agency along with photograph, paper cutting, copy of work order and last 3 years completion certificates of construction activities will be submitted as under: -

Year (2018-19 to 2020-21)	Details of construction Projects executed	Duration	Name of party for Whom project executed

9. Details of earnest money

- D.D. No.:
- Date:
- Amount:
- Name of the issuing bank:

9. Even, if the Tender Form is downloaded from the IED, ODISHA website and SP Foundation Website an amount of Rs. 30,000/- in favor of **S.P. FOUNDATION** is essential to be deposited. The details of such amount: -

1. D.D.No.
2. Date:
3. Amount:
4. Name of the issuing bank:

Declaration: -

I hereby declare that the information given in the bid is true and correct and I hereby accept all the terms and conditions.

Place:

Date:

Signature of the authorized person

Name:

Designation:

Name of firm & address:

Phone / Mobile No.:

EmailId:

Seal of the firm:

Form No.3

TENDER FORM

Construction Of 11 KV Line with Installation Of 100 Kva 11/4kv S/S Towards Power Supply Of 55 Kw Load (On MI Tariff)for Maa Durga Bamboo Foundation, Bamboo Craft Cluster, Odagaon, Nayagarh)

Tender Form issued to: _____

Date of issue of tender form: _____



Signature of issuing authority

Financialcost

SlNo	Construction Of 11 KV Line with Installation Of 100 Kva 11/4kv S/S Towards Power Supply Of 55 Kw Load (On Mt Tariff)	AmountQuoted (Inclusive of GST)	PercentageofHighor less
1	PART- A Installation of 100 KVA 11/4 KV DP mounted S/S over 9 mtr long 300 kg. PSC = 01 No		
2	PART-B- Construction of 11 KV 3 Ø3W line using 55 mm2 AAAC=0.7 km		

Total amount in words: -

Place:

Date:

Signature of the authorized person

Name:

Designation:

Name of firm & address:

Phone / MobileNo.:

EmailId:

Sealofthefirm:

Form No. 4

TENDER FORM

(Construction Of 11 KV Line with Installation Of 100 Kva 11/4kv S/S Towards Power Supply Of 55 Kw Load (On MI Tariff) for Maa Durga Bamboo Foundation, Bamboo Craft Cluster, Odagaon, Nayagarh)

Tender Form issued to: - _____

Date of issue of tender form: - _____



Signature of issuing authority

Name of work: Construction Of 11 KV Line with Installation Of 100 Kva 11/4kv S/S Towards Power Supply Of 55 Kw Load (On MI Tariff)for Maa Durga Bamboo Foundation, Bamboo Craft Cluster, Odagaon, Nayagarh)

Work Plan

S.No	Description of work	Timeline (from the date of Issuance of Contract)
1	Full work	Bye end of Three months

Note: Thus, the total time for completion of construction will not exceed 3 months from date of issuance of contract

1. Mode of payment:

- Payment will be released as per the scheduled quantity executed. The measurement will be done by Electrical Engineer and certified by Executive Engineer/ any equivalent officer of TPCODL.
- Payment will be released after statutory reduction of tax component as per Government of Odisha notification.
- 5% of the security deposit will be released one year after satisfactory completion of the work.