

**Tender for Operations and maintenance****Information**

<b>RFx number:</b>	7000013766
<b>Publication:</b>	Public RFx
<b>Version:</b>	
<b>RFx Name:</b>	TKC-increasing Gr. clearance of 220KVline
<b>Tender Subject:</b>	TKC WORK OF INCREASING GROUND CLEARANCE OF SPAN BETWEEN LOC NO. 2 & 3 OF 220KV KARAD- MUDSHINGI LINE
<b>Bid Submission:</b>	09.09.2019
<b>Funded By:</b>	
<b>Tender Fee Inc. GST:</b>	105.00 ₹
<b>Estimated Cost:</b>	1,490,712.03 ₹
<b>Basis of Prices:</b>	
<b>Percent Based Bid:</b>	Yes
<b>EMD Cost:</b>	14,907.12 ₹
<b>Tech Bid Open:</b>	09.09.2019 10:10:00
<b>Price Bid Open:</b>	11.09.2019 10:00:00
<b>Contact Person:</b>	EXECUTIVE ENGINEER , SHRI. C.L.KOLI MOBILE NO. 7507842222

**Additional Requested Information:**

Valid Shop act / SSI / NSIC Registration - Attached ?

Valid Electrical Contractor's License issued by the Govt. - Attached ?

Registration certificates for Goods & Service Tax - Attached ?

Registration certificates under P.F. and with latest paid challan copy - Attached ?

Income Tax Returns of last 03 assessment years (2016-17, 2017-18, 2018-19 ) & Pan Card - Attached ?

"The average annual turnover of the bidder in Power sector during

"The net worth of the bidder for the last financial year should not be

List of technical employees along with their qualification & experience - Attached ?

List of equipment / T&P - Attached ?

The bidder should have constructed at least S/C or D/C or M/C EHV Tr. Line of at least voltage class one step below than voltage class mentioned in scope of tender of having route length minimum 0.5 km or similar type of work including supply,excavation,

Experience certificate from end users in support works executed. The certificate should be issued by not below the rank of Executive Engineer or equivalent. - Attached ?

The bidder should have to upload scan copy of payment of E.M.D. @1% of estimated cost and transaction ID for SRM e-Tender fee or in case of exemption, valid MSETCL proof - Attached ?

Deviation if any - Attached ?

All schedules i.e. A, C1 to C5, enclosed alongwith supporting documents. - Attached

**Attachments:**

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## RFx Details:

( \*Amount in ₹)

Item	Item category Product no.	HSN/SAC No.	Description	Qty	Unit Rate	Amount
1	Material 300002037	995461	Excavation of Pit (Normal Soil) Excavation of pits for tower footings in earth for soils of all types including removing of excavated material beyond tower limits up to 50mtrs at all lead and all lifts, shoring, shuttering, dewatering, preparation of bed for foundation and back filling after casting and curing of foundations with ramming etc complete as per drawing & direction of Engineer-in-charge.	5.000 m <sup>3</sup>	214.35	1071.75
2	Material 300002039	995423	Excavation of Pit (BC/Submerged Soil) --do-- but for BC Soil/ Submerged Soil	211.000 m <sup>3</sup>	361.12	76196.32
3	Material 300002038	995433	Excavation of Pit (Hard Murum/Soft Rock) --do-- but for Hard Murum/ Soft Rock	5.000 m <sup>3</sup>	443.77	2218.85
4	Material 300002040	995433	Excavation of Pit (Dry Fissured Rock) --do-- but for Dry fissured Rock	3.000 m <sup>3</sup>	1083.35	3250.05
5	Material 300002041	995433	Excavation of Pit (Hard Rock by Chisel) # --do-- but for Hard Rock by chiseling	3.000 m <sup>3</sup>	1399.05	4197.15
6	Material 300009290	995423	TE: Casting in-situ CC M-20 M 20 ( 1:1.5:3) with graded metal for foundation	28.000 m <sup>3</sup>	8361.76	234129.28
7	Material 300009292	995423	TE: Casting in-situ CC M-10 Providing and casting in situ cement concrete of trap metal of size 20 to 40 mm as applicable, including fixing of stub units with Bolts & Nuts with fixing of stub setting templates, form boxes, fishing, coping and curing for 21 days etc complete as per drawings and direction of Engineer-in-charge in CC M-10(1:3:6).	3.600 m <sup>3</sup>	6803.21	24491.56

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Item	Item category Product no.	HSN/SAC No.	Description	Qty	Unit Rate	Amount
8	Material 300009294	995423	P&F Steel Reinforcement in Concrete Fdn Providing and fixing in position Steel Reinforcement in concrete# foundation including supply of TMT bars with epoxy coating/Meta cam of# various diameters for R.C.C. work like raft, footing of column etc. as# per drawing and direction which will be furnished by the owner# including cutting, bending , hooking the bars, binding with binding wire# or tackwelding etc. complete as directed.(Steel to be provided by# contractor)	0.900 MT	86024.12	77421.71
9	Material 300008650	998736	Erection 220kV D/C Tower 15° (Stub ST) 220kV DC Tower: : Stub setting in all type of soils with the help of# templete/ PROP including transportation if required to the desired# location, fixing the stubs in position as per the alignment, fixing and# leveling the templete and the stub as directed.: 15 Degree	1.000 EA	4350.07	4350.07
10	Material 300002045	995423	Pipe Earthing for Tower Earthing of towers with pipe type earthing (with supply of earthing material) including excavation of pits/ trenches, laying of earthing pipe, strips, flats etc including supply of heavy duty GI pipe and GI strip/ flat/ nut and bolts and provision of salt and coke as per drawing including back filling, complete in all respect as per direction of Engineer-in-charge.	1.000 EA	7150.80	7150.80
11	Material 300002048	995444	Erection 220kV Tower Complete erection of SC/DC/MC towers (including special towers) with its extensions for 220KV Lines (as per requirement) with fixing of Bolts & Nuts, Tightening, punching and fittings including attachments (like step bolts, ladders, platforms, 'U' bolts, shackles, hangers, strain plates etc) and including tack welding and application of Zinc rich primer and two coats of enamel paints on welded portion (Excluding stubs) ,including transportation of materials from site stores to work site.	5.400 MT	7776.50	41993.10

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Item	Item category Product no.	HSN/SA C No.	Description	Qty	Unit Rate	Amount
12	Material 300007350	995423	Tack Welding of D/C Tower TE:TACK WELDING D/C TOWER	1.000 EA	2860.32	2860.32
13	Material 300008690	995423	Stringing of 0.4ACsr cond. D/C on D/C, Stringing of conductors on S/C, D/C, M/C,H/Z towers including# transportation of conductor and required material from site store to# site locations, laying, paving, jointing, rough sagging, final sagging,# clipping, fixing of accessories, hoisting of insulators, jumpering etc.# on tower complete in all respect including tree cutting if required as# per the direction of Engineer incharge. ( which includes the works# involved in the crossing of LT,HT and EHV power lines, railway and# river crossing). ( viz dismantling and restringing of conductors) :# 220kV D/C (with 0.4 ACSR/AAAC) on DC line	0.400 km	97668.78	39067.51
14	Material 300002069	998732	Stringing of E/W 7/3.15 sq.mm Stringing of Earth Wire for 220KV including transportation of Earthwir e and required material from stores to site locations, laying, paving, jointing, rough sagging, final sagging, clamping and jumpering etc., providing earthing with earth bond, complete in all respect as per dir ection of Engineer-in-charge.	0.400 km	12257.43	4902.97
15	Material 500000038	73082011	Fab, Galvg,Supply of Tower Materials-TKP Fabrication, galvanising and supply of various types of tower material# at site store with all tower accessories	5.500 MT	94613.84	520376.12
16	Material 500000039	73181500	Galvanised Nuts/Bolts wt Washers GALVANISED BOLTS & NUTS WITH SPRING WASHERS, PLAIN WASHERS FOR LINE TO WERS/ STRUCTURES/ ACCESSORIES	0.200 MT	169181.30	33836.26
17	Material 500000710	83100090	Danger Board - 220kV Line DANGER BOARD - 220 KV LINE	1.000 EA	425.47	425.47
18	Material 500003465	83100090	Number Plate for Tower	1.000 EA	364.69	364.69
19	Material 500000712	83100090	Phase Indication Plate PHASE PLATE	2.000 EA	408.61	817.22
20	Material 500003466	83100090	Circuit Plate for Tower	2.000 EA	423.48	846.96

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Item	Item category Product no.	HSN/SA C No.	Description	Qty	Unit Rate	Amount
21	Material 500003467	73130010	Anti Climbing Device wt Barbed Wire ANTI CLIMBING DEVICE WITH BARBED WIRE	1.000 EA	5012.29	5012.29
22	Material 500000323	85462019	120kN Normal Disc Insulator 120kN DISC INSULATOR (NORMAL)	270.000 EA	1145.79	309363.30
23	Material 500002950	73269099	STN H/w Comp - 0.4 ACSS Zebra Compression type Single Tension Normal Hardware for 0.4 ACSS Zebra# Conductor#	6.000 EA	4394.52	26367.12
24	Material 500021439	73269099	DTN H/w - 0.4 ACSR Zebra DTN H/W - 0.4 ACSR Zebra	6.000 EA	11062.29	66373.74
25	Material 500000792	73269099	7/3.15mm Earthwire Tension Clamp TENSION CLAMP FOR 7/3.15 MM EARTHWIRE	2.000 EA	972.51	1945.02
26	Material 500000795	74071020	7/3.15mm E/w Flexible Cu Earth Bond FLEXIBLE COPPER EARTH BOND FOR 7/3.15 MM EARTHWIRE	2.000 EA	841.20	1682.40

(\*Unit Rate mentioned is inclusive of all taxes)

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Annexure - I

(\* NR is for Invalid Condition)

Item	Product No.	HSN/SAC	GST App. in %	Item type	Conditions*
1	300002037	995461	18.00	E	EXW,
2	300002039	995423	18.00	E	EXW,
3	300002038	995433	18.00	E	EXW,
4	300002040	995433	18.00	E	EXW,
5	300002041	995433	18.00	E	EXW,
6	300009290	995423	18.00	E	EXW,
7	300009292	995423	18.00	E	EXW,
8	300009294	995423	18.00	E	EXW,
9	300008650	998736	18.00	E	EXW,
10	300002045	995423	18.00	E	EXW,
11	300002048	995444	18.00	E	EXW,
12	300007350	995423	18.00	E	EXW,
13	300008690	995423	18.00	E	EXW,
14	300002069	998732	18.00	E	EXW,
15	500000038	73082011	18.00	S	EXW, FR%, IN%,
16	500000039	73181500	18.00	S	EXW, FR%, IN%,
17	500000710	83100090	18.00	S	EXW, FR%, IN%,
18	500003465	83100090	18.00	S	EXW, FR%, IN%,
19	500000712	83100090	18.00	S	EXW, FR%, IN%,
20	500003466	83100090	18.00	S	EXW, FR%, IN%,
21	500003467	73130010	18.00	S	EXW, FR%, IN%,
22	500000323	85462019	18.00	S	EXW, FR%, IN%,
23	500002950	73269099	18.00	S	EXW, FR%, IN%,
24	500021439	73269099	18.00	S	EXW, FR%, IN%,
25	500000792	73269099	18.00	S	EXW, FR%, IN%,
26	500000795	74071020	18.00	S	EXW, FR%, IN%,

(\* PFQ -> Packing and Forwarding Per Quantity      FRQ-> Freight Per Quantity      FR%-> Freight in Percentage,  
EXW ->Ex-Works (Basic Price),      PFP-> Packing and Forwarding in Percentage,      INQ-> Insurance Per Quantity,  
INP -> Insurance in Percentage,      DISCQ-> Discount Per Quantity,      DISCP->Discount in Percentage )