

गति से प्रगति
DM/UD/COR-OF/114

Dated: 01.08.2020

LETTER OF ACCEPTANCE

To,

M/s Aquarian Enterprises
A-1/52, JanakPuri,
New Delhi-110058
Ph. 011-25550169, 9818352226
Email: dalipksachdeva@gmail.com
(hereinafter termed as Contractor)

(Kind Attention- Mr. Dalip Kumar Sachdeva)

Sub: - Bid No. DM/UD/COR-OF/114: Shifting/modification work of 220KV Double Circuit, EHT Transmission Line of Delhi Transco Limited including Supply, Erection, Testing & Commissioning near Sarai Kale Khan infringing Delhi-Ghaziabad-Meerut RRTS Corridor.

Ref: -

- Press advertisement dated 28.05.2020
- Bid reference No DM/UD/COR-OF/114 dated 29.05.2020.
- Technical Bid opened on 01.07.2020.
- Post Bid clarifications uploaded on 13.07.2020.
- Reply of Post Bid clarifications downloaded on 20.07.2020.
- Financial Bid opened on 25.07.2020.

With reference to the above this is to inform to the Contractor that the Contractor's bid for the subject work of **"Bid No. DM/UD/COR-OF/114: Shifting/modification work of 220KV Double Circuit, EHT Transmission Line of Delhi Transco Limited including Supply, Erection, Testing & Commissioning near Sarai Kale Khan infringing Delhi-Ghaziabad-Meerut RRTS Corridor"** (hereinafter termed as the "Works") has been accepted by **National Capital Region Transport Corporation Ltd** (hereinafter termed as "Employer") at total contract price of **Rs.11,99,96,810/- (Rupees Eleven Crore Ninety Nine Lacs Ninety Six Thousand Eight Hundred Ten Only)**, hereinafter termed as "Contract Price". This Contract Price is inclusive of all taxes, levies, duties, royalties, incidental charges and any other charges leviable, including tax deducted at source, withholding tax, statutory deductions etc. but excluding Goods & Services Tax (GST). This Contract Price is towards timely and satisfactory completion of the Works and fulfilment of the Bid conditions in its entirety.

The scope of work, accepted rates and terms/conditions applicable to this LOA are as under:



Registered & Corporate Office:

7/6, सिरि फोर्ट इंस्टीट्यूशनल एरिया, अगस्त क्रांति मार्ग, नई दिल्ली 110049
7/6, Siri Fort Institutional Area, August Kranti Marg, New Delhi 110049

Bid No. DM/UD/COR-OF/114

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CIN: U60200DL2013GOI256716

P: +91 11 41066943 F: +91 11 41066953

M: contactus@ncrtc.in

1.0 Scope of work

In terms of **Clause ITB 1.1 (Instructions to Bidders), Section-1** of the bid documents, the Scope of Work covered under this LOA is as stipulated in **Part-II Employer's Requirements** of the bid documents and considered by the Contractor in preparation and submission of their Bid. The Works shall be carried out as per the above Scope of Work.

2.0 Accepted Rates/Cost and Payment Schedule

2.1 The accepted rates for various items of work covered under this LOA are stipulated in the Bill of Quantities enclosed as **Annexure-I (Bill of Quantities)** to this LOA. The accepted rates includes all taxes, levies, duties, royalties, incidental charges and any other charges leviable, including tax deducted at source, withholding tax, statutory deductions etc., as on the date 28 days prior to the deadline for submission of bids except Goods and Services Tax (GST). GST will be paid extra as applicable on the submission of GST Invoices for first RA bill. The subsequent RA bill shall be raised for payment upon submission of documentary evidence towards payment of GST collected on the previous bill to the GST Authorities. However, if subsequent bills are raised before return submission date of previous bill period, the documentary evidence towards payment of GST shall be provided within 7 days from the due date of such return filing. The Final bill/single bill payment shall be released on the undertaking by the Contractor for providing evidence within 7 days from the due date of such return filing for final bill based on GST provision for due dates.

2.2 In terms of **Clause ITB 14.5 of Section 2 BDS**, this is Fixed Price Contract.

3.0 Completion Period

In terms of **Clause 1.2 (c) of IFB** of the bid documents, the entire work shall be completed in a period of **06 months** from the Commencement Date. As per **Clause 8.1 of GCC, Section-5**, the Commencement Date will start from **08.08.2020** i.e. 07 days from the date of issue of LOA.

4.0 Submission of Performance Security

In terms of **ITB 40 (Instructions to Bidders), Section-1** of the bid documents, within 28 days of receipt of this LOA by the Contractor, the Contractor shall furnish to the Employer a Performance Security in any of the forms stipulated in **Clause 4.2 of the General Condition of Contract (GCC), Section-5 and Appendix to Bid** of the bid document, for an amount of **Rs. 1,19,99,681/- (Rupees One Crore Nineteen Lacs Ninety-Nine Thousand Six Hundred Eighty One Only)** being amount equal to 10% (Ten Percent) of the Contract Price. As per **Clause 4.2 of GCC**, the Performance Bank Guarantee must be issued on "Structure Financial Messaging System (SFMS)" platform. The Performance Security shall be valid till six months from the end of the Defect Liability Period. The original Performance Security shall be submitted to Procurement Cell of NCRTC (Corporate Office) as per **Clause 1.2 (k) of IFB**.

5.0 Release of Bid Security

In terms of **Clause ITB 19.5 (Instructions to bidders), Section-1** of the bid document, the bid security submitted by the Contractor with his bid shall be returned upon the execution of the Contract Agreement and on receipt of the Performance Security by the Employer or the condition stipulated in bid documents.



6.0 Signing of Contract Agreement

In terms of **Clause ITB 41 of Section-1 (Instructions to Bidders)** of the bid documents, the Contractor shall enter into a contract agreement with the Employer for the works covered under this LOA within the time limits as specified therein. The Contractor shall be informed by the Employer about signing of contract agreement on receipt of acceptance of this LOA and Performance Security by the Employer.

7.0 Other Terms and Conditions

The execution of this contract shall be governed by the various stipulations in the bid documents referred above. Any deviation from the above conditions, submitted by the Contractor in its bid, if any, stands withdrawn.

8.0 Nomination of Engineer in Charge

In terms of **Clause 3.1 of General Conditions of Contract, Section-5**, it is to inform that **Chief Project Manager /Delhi, National Capital Region Transport Corporation Limited, Behind ITDR, Sarai Kalen Khan, Shri Tara Chad Saini Marg, Nizamuddin East, New Delhi – 110013**, has been nominated as the Engineer for the subject Contract. The Contractor is advised to interact with the above official for further instructions as regards the execution of Works.

9.0 Acceptance of the LOA

This Letter of Acceptance (LOA) is being issued in Two Original and identical sets, in favour of the Contractor. Any one set may be retained by the Contractor and the other set is required to be returned by the Contractor, duly signed and stamped stating "Unconditionally accepted" on each page (including the enclosures) by the authorized signatory of the Contractor, as a token of Contractor's unconditional acceptance of the same so as to reach the undersigned within seven days of issue of this letter. This Letter of Acceptance shall constitute a binding Agreement between the Employer and the Contractor till such time a formal Agreement is signed between the Employer and the Contractor for the execution of this Contract.

Please acknowledge receipt of the letter.

Yours faithfully,
For & on behalf of
National Capital Region Transport Corporation Limited



(Tushar Singh)
Sr. Deputy General Manager/Procurement-I

Encl: Annexure-I (Bill of Quantities: Total 06 pages).

Copy to: CPM/Delhi, GGM/Electrical, GGM/Finance, GM/Planning, Sr. DGM HR.

NATIONAL CAPITAL REGION TRANSPORT CORPORATION LIMITED

Annexure-I



Bill of Quantity(BOQ)

Bid No. DM/UD/COR-OF/114: Shifting/modification work of 220KV Double Circuit, EHT Transmission Line of Delhi Transco Limited including Supply, Erection, Testing & Commissioning near Sarai Kale Khan infringing Delhi-Ghaziabad-Meerut RRTS Corridor.

PART-III

NATIONAL CAPITAL REGION TRANSPORT CORPORATION LIMITED,
7/6, SIRFORT INSTITUTIONAL AREA,
AUGUST KRANTI MARG, NEW DELHI -110049

[Handwritten Signature]
01/08/2020



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BOQ
PREAMBLE

1	The Bill of Quantity should be read in conjunction with Instruction to Bidders, General and Particulars Conditions of Contract, Notice for Invitation of bids, Technical specification and Employer's Requirements.
2	The accepted rates/prices tendered in the BOQ are for completed and finished items of work and complete in all respect.
3	The Accepted rates/percentage are inclusive of all taxes, duties, levies, cess, royalties, insurances & all other incidental charges required to fulfill the Bid conditions including statutory deductions viz. TDS towards Income Tax / Works Contract Tax / GST TDS / Labour Cess etc except Goods and Services Tax. GST shall be paid as per para 2.1 of LOA

[Handwritten Signature]
05/05/2020



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Bill of Quantity (BOQ)

Name of Work: Bid No. DM/JUD/COR-OF/114: Shifting/modification work of 220KV Double Circuit, EHT Transmission Line of Delhi Transco Limited including Supply, Erection, Testing & Commissioning near Sarai Kale Khan infringing Delhi-Ghaziabad-Meerut RRTS Corridor.

NAME OF CONTRACTOR		M/s AQUARIAN ENTERPRISES			
S.No.	Description	Financial Amount	Percentage Accepted by the bidder above/below/ at par the respective Schedule/ Section		Amount (In INR) (in fig.)
			Above/below/at par	(Percentage (%age) in numerical figure)	
1	2	3	4	5	6
1	Shifting/modification work of 220KV Double Circuit, EHT Transmission Line of Delhi Transco Limited including Supply, Erection, Testing & Commissioning near Sarai Kale Khan infringing Delhi-Ghaziabad-Meerut RRTS Corridor.	12,97,12,258.22	Below	7.49	₹ 11,99,96,810.08
Total				Rounded off	₹ 11,99,96,810.00



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01/08/2018

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Bill of Quantity (BOQ)

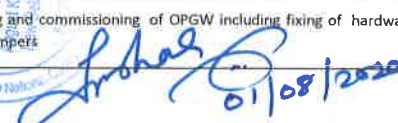
Name of Work: DM/UD/COR-OF/114: Shifting/modification work of 220KV Double Circuit, EHT Transmission Line of Delhi Transco Limited including Supply, Erection, Testing & Commissioning near Sarai Kale Khan infringing Delhi-Ghaziabad-Meerut RRTS Corridor.

S.N	Item Description	Unit	Qty	Rate (INR)	Amount (INR)
Part -A : Design					
1	Design of double circuit Tension Type Utility Steel Monopole Transmission line structure suitable 220 KV EHV line including approval of reputed Govt institutions like CPRI/IIT etc.				
1.1	PD(62 Mtr), (0°-15°), D.E, Monopole -44 Meter BXA	Job	1	2,97,500.00	2,97,500.00
1.2	PD(60 Mtr), (0°-15°), D.E, Mono pole -42 Meter BXA	Job	1	2,97,500.00	2,97,500.00
1.3	PD(62 Mtr), (30°-60°), D.E, Mono pole -44 Meter BXA	Job	1	2,97,500.00	2,97,500.00
1.4	PD(56 Mtr), (30°-60°), D.E, Mono pole -38 Meter BXA	Job	1	2,97,500.00	2,97,500.00
2	Design of foundation D/C Tension type Utility Steel Monopole Transmission line structure suitable 220kv line considering all possible mechanical loading under extreme condition including approval from reputed Institution like CPRI/IIT etc .				
2.1	PD(62 Mtr), (0°-15°), D.E, Monopole -44 Meter BXA	Job	1	3,07,500.00	3,07,500.00
2.2	PD(60 Mtr), (0°-15°), D.E, Mono pole -42 Meter BXA	Job	1	3,07,500.00	3,07,500.00
2.3	PD(62 Mtr), (30°-60°), D.E, Mono pole -44 Meter BXA	Job	1	3,07,500.00	3,07,500.00
2.4	PD(56 Mtr), (30°-60°), D.E, Mono pole -38 Meter BXA	Job	1	3,07,500.00	3,07,500.00
TOTAL OF PART -A - DESIGN					24,20,000.00
PART - B : Supply					
3	Supply at site of Double Circuit Utility galvanised steel Monopole suitable for 220 KV lines (Price offered are for all structure components of the mono pole such as cross arms, Anchor Bolt, Anchor Plate and templates, nuts and bolts, ladder for following mono poles:				
3.1	PD(62 Mtr), (0°-15°), D.E, Monopole -44 Meter BXA	Nos	1	85,71,400.00	85,71,400.00
3.2	PD(60 Mtr), (0°-15°), D.E, Mono pole -42 Meter BXA	No.	4	82,98,850.00	3,31,95,400.00
3.3	PD(62 Mtr), (30°-60°), D.E, Mono pole -44 Meter BXA	No.	1	99,76,333.00	99,76,333.00
3.4	PD(56 Mtr), (30°-60°), D.E, Mono pole -38 Meter BXA	Nos	1	90,52,373.00	90,52,373.00
4	Supply of High Temperature Low Sag (HTLS) Conductor as per Tech Specification of DTL	Mtr	13000	1,155.17	1,50,17,210.00
5	Supply of Single Tension hardware fitting for HTLS conductors complete in all respect. as per DTL specification. (except clamp) as per DTL specification.	Nos	72	4,679.77	3,36,943.44
6	Supply of Double Tension hardware fitting for HTLS Conductors complete in all respect. as per DTL specification. (except clamp)	Nos	36	9,878.53	3,55,627.08
7	Supply of single "I" suspension pilot hardware fittings for HTLS Conductors complete in all respect as per DTL specification. (except clamp)	Nos	18	3,113.94	56,050.92
8	Supply of Dead end clamp for tension insulator strings for HTLS Conductors complete in all respect. as per DTL specification	Nos	108	68,677.98	74,17,221.84
9	Supply of suspension clamp suitable for suspension pilot insulator strings for HTLS Conductors complete in all respect as per DTL specification	Nos	18	14,726.70	2,65,080.60
10	Supply of vibration damper for HTLS Conductors complete in all respect as per DTL specification	Nos	108	5,783.73	6,24,642.84
11	Supply of Mid span compression joint for HTLS Conductors complete in all respect. as per DTL specification	Nos	1	52,533.17	52,533.17
12	Supply of Repair Sleeve for HTLS Conductors complete in all respect. as per DTL specification	Nos	1	4,207.07	4,207.07
13	Supply of Composite Polymeric long rod Insulators for 220 KV /160KN complete in all respect as per DTL specification	Nos	144	14,376.43	20,70,205.92
14	Supply of Composite Polymeric long rod Insulators for 220 KV /90KN complete in all respect as per DTL specification	Nos	18	11,501.14	2,07,020.52
15	Supply vibration damper for OPGW along with all accessories.complete in all respect. as per DTL specification	Nos	18	592.24	10,660.32
16	Supply OPGW wire (24) complete in all respect. as per DTL specification	Mtrs	2200	143.77	3,16,294.00
17	Supply of OPGW tension assembly complete in all respect as per DTL specification	Nos	18	5,405.09	97,291.62
18	Supply of OPGW Down lead clamp assembly complete in all respect as per DTL specification	Nos	7	366.38	2,564.66
19	Supply of Joint Box for OPGW 24 fibres complete in all respect as per DTL specification	Nos	4	5,334.31	21,337.24
20	Supply of Earth Bond as per DTL Specification.	Nos	18	442.36	7,962.48
21	Supply of Number plate as per DTL specification	Nos	7	229.90	1,609.30
22	Supply of Danger Plate as per DTL specification	Nos	7	229.90	1,609.30
23	Supply of Circuit Plate as per DTL specification(1 set of 2)	Set	14	460.59	6,448.26
24	Supply of Phase Plate (1 set= 3 Phase of RYB colour)as per DTL specification	Set	14	229.90	3,218.60
25	Supply of Providing TMT reinforcement steel of Fe-500 Grade,from approved list supplier, straightening , cutting, bending, tying, lap/butt welding placing including binding with GI binding wire 18 SWG ,in all structural heights and depth, complete as per drawing, specification and direction of Engineer -In- charge . The scope of work will also include application of one coat of cement slurry inhibitor solution as per manufactures instruction or approved by the Engineer -In- Charge	M.Ton	150	62,844.15	94,26,622.50
TOTAL OF PART -B - SUPPLY					9,70,97,867.68

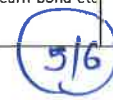
(Handwritten signature and stamp)
 Sin Fort Institutional Area
 August Kranti Marg
 New Delhi
 01/08/2020

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PART C- Foundation Work - Pile/Open					
26	Proving and installing cast-in situ vertical bored piles of approximate depth as per drawing and with M35 grade of concrete (using Portland slag cement) including all operations such as installation and shifting of piling rig etc. in all soil. The cost shall also include the cost of empty boring wherever required (measurement shall be from cut-off level to founding level). The item includes disposal of earth, muck, slush released from piles, top leads. Reinforcement shall be paid separately. Rate shall include cost of using required dosage of admixture in concrete for obtaining required workability as per approval of Engineer. The items includes drilling and socketting in hard rock at required depth.				
26.1	Considering 600 mm dia Pile.				
i)	By hydraulic rigs using partial depth casting with or without bentonite	RM.	350	6,332.13	22,16,245.50
26.2	Considering 800 mm dia Pile.				
ii)	By hydraulic rigs using partial depth casting with or without bentonite	RM.	500	8,167.53	40,83,765.00
27	Carrying out Static routine vertical load tests as per relevant IS codes including all arrangement for measuring deflections and submitting reports. This includes making of pile head ready for testing at the desired level supporting/erection arrangement (including reaction piles/soil/rock anchor, if any) for the kenledge load	Nos.	1	4,58,850.00	4,58,850.00
28	Non destructive integrity testing of cast-in-situ piles of 800 mm dia and as per specification and submitting load.	Nos.	1	2,753.10	2,753.10
29	Integrity pile test using cross hole sonic logging as per the provision of ASTM standard D6760. as per drawing & Technical specification of DTL	Nos.	1	4,129.65	4,129.65
30	Providing M 35/20 concrete (using portland Slag Cement) for following concrete work. Pile cap including excavation through existing concrete and water bond macadam road /Bituminous road/cement road of all thickness including dismantalling other structures, dead utilities etc. and soil including dewatering, pumping and bailing out water ,strutting and shoring etc. This item also includes formwork and backfilling in foundation including watering compacting with a vibratory plate compactor and loading ,leading and disposal of surplus excavated material using lockable and covered trucks so as to ensure that during transportation the carried material does not spill out Max lead to dumping ground will be all leads (average anticipated load will be 10Km)Reinforcement shall be paid seperately. Rate shall include cost of using require dosage of admixture in concrete as required at site.	Cum.	1470	8,883.34	1,30,58,509.80
31	Excavation of pits of required width for tower/monopole foundation including getting out the excavated soil and then returning the soil as required. In layers not exceeding 20 cm in depth including consolidation each deposited layer by ramming, watering etc and disposing of surplus excavated soil as derected within a load of 50 mtrs.(Normal soil/wet soil/Partially wet soil)	Cum.	3136	273.02	8,56,190.72
32	Cement concreting for PCC/RCC work in bases, raft and footing for the tower foundations including cost of centering and shuttering.				
32.1	1:3:6 (1 Cement: 3 Coarse sand: 6 graded stone aggregate 40mm Normal size.	Cum.	196	6,084.35	11,92,532.60
32.2	1:2:4 (1 Cement: 2 Coarse sand: 4 graded stone aggregate 40mm Normal size.	Cum.	105	7,410.44	7,78,096.20
TOTAL OF PART -C- PILE/OPEN FOUNDATION					2,26,51,072.57
PART - D: Erection, Testing & Commissioning					
33	Detailed Survey including preparation of profile and drawing for 2 Nos Transmission line	Km	2.1	1,11,500.55	2,34,151.16
34	Erection, assembling and commissioing of following monople structure complete in all respects including fixing of cross arm,ladder,step bolts ,guard , rail and all other monopole accesories as well complete tightening of all nuts & bolts . This shall also include the cost of hiring of cranes,hydra and any other machinery to be used in erection process along with making necessary site preparaing like levelling ,compacting of soil etc for placing of cranes and other required machineris.Further , includes is the cost of tack welding of check nuts after completion of Monoploe erection work and removing of surplus mulb. scrap ,muck etc. upto 50m lead and 1.5 m lift as per direction of Engineer-In-Charge.				
34.1	PD (0-15°), Ht-60Mtr, DE,BXA- 42Mtr, D/C, 220kV Mono pole.	Job	4	7,43,457.63	29,73,830.52
34.2	PD (30° -60°), Ht-56 Mtr, DE,BXA-38Mtr, D/C 220kV, Mono pole.	Job	1	7,43,457.63	7,43,457.63
34.3	PD(30° -60°), Ht-62 Mtr, DE ,BXA-44 Mtr ,D/C 220kV, Mono pole .	Job	1	8,36,389.83	8,36,389.83
34.4	PD(0 -15°), Ht-62 Mtr, DE, BXA-44 Mtr , D/C 220kV ,Mono pole.	Job	1	8,36,389.83	8,36,389.83
35	De-watering of pits				
35.1	By Manual	Hr.	200	91.77	18,354.00
35.2	By mechanical Pump minimum 5 H.P. Motor	Hr.	400	297.34	1,18,936.00
36	Stringing, testing and commissioning of line including hoising of insulators, fixing of hardware fittings, Jumpering etc and fixing of vibration dampers				
36.1	H/T L conductors	Mtrs.	13000	89.42	11,62,460.00
37	Stringing, Testing and commissioning of OPGW including fixing of hardware fittings , Jumpering , earh bond etc and vibration dampers	Mtr.	2200	98.51	2,16,722.00



 01/08/2020



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38	Making ,Testing and Commissioning of OPGW Joint Box	Nos	4	6,245.04	24,980.16
39	Earthing with GI earth pipe 4.5 meter long, 40mm dia including accessories with charcoal /coke and salt as required as per IS 3043 with latest version thereof.	Each	14	4,932.84	69,059.76
40	Fixing of following accessories				
40.1	Number plate	No.	7	77.64	543.48
40.2	Circuit Plate(set of 2)	Set	7	77.64	543.48
40.3	Danger plate	No.	7	77.64	543.48
40.4	Phase Plate (1 set= 3 Plate of RYB colour)	Set	14	155.26	2,173.64
41	Dismantling of conductor including earth wire/OPGW & Hardware fittings.				
41.1	Tower steel super structure	MT	100	6,318.37	6,31,837.00
41.2	Conductor including earthwire and fittings	Mtr.	12500	66.91	8,36,375.00
42	Supply and fixing of Galvanised steel wire barbed wire on monopole /Tower for making anti- climbing arrangement	Kg	350	67.70	23,695.00
43	supply , Fixing & Painting of wire mesh fencing around monopole structure as per approved design , specification of DTL , site requirement and as per Direction of Engineer .	Sq.ft.	2000.00	197.54	3,95,080.00
44	Providing 2.0 meter high temporary barricade and arrangement for traffic diversion such as traffic signals during construction at site, for day and night as per site requirements. uring construction of foundation / other activities requiring traffic diversion safety etc , this arrangement has to be maintained till completion of such activities . Local shifting of barricading alongwith all associated accessories at a perticular location may be required during execution and may require for traffic management , Nothing shall be paid extra for this local shifting.	R.M	350	2,684.56	9,39,596.00
TOTAL OF PART -D - ERECTION, TESTING & COMMISSIONING					1,00,65,117.97
SUMMARY					
TOTAL OF PART -A - DESIGN					24,20,000.00
TOTAL OF PART -B - SUPPLY					9,70,97,867.68
TOTAL OF PART -C- PILE/OPEN FOUNDATION					2,26,51,072.57
TOTAL OF PART -D - ERECTION, TESTING & COMMISSIONING					1,00,65,117.97
GRAND TOTAL (PART-A + PART-B + PART-C + PART-D)					13,22,34,058.22
45	Parts: E Credit Items	Unit	Qty	Rate (INR)	Amount (INR)
45.1	Galvanised Tower scrap including tower Hard ware fittings	KG	100000	15.13	15,13,000.00
45.2	ACSR/zebra conductor/Earthwire/OPGW	KG	20000	50.44	10,08,800.00
Total of Part -E: Credit					25,21,800.00
TOTAL COST (A + B + C + D - E)				Rounded Off	12,97,12,258
Quoted Rate @ 7.49% Below				Rounded Off	97,15,448
Net Amount (Excluding GST)				Rounded Off	11,99,96,810

Note:- The above rates /amounts are inclusive of all taxes, duties, levies, cess, Royalties, insurance & all other incidental charges except GST.



(6/6)