

DA/UD/COR-OF/012

राष्ट्रीय राजधानी क्षेत्र परिवहन निगम

(भारत सरकार एवं प्रतिभागी राज्य सरकारों का एक संयुक्त उपक्रम)

National Capital Region Transport Corporation
(A Joint venture of Government of India and participating State Governments)

Dated: 04.01.2020

LETTER OF ACCEPTANCE

To,

M/s Galaxy Concab (I) Pvt. Ltd. 164-164A, RICCO Industrial Area, Sitapura, Tonk Road, Jaipur-302022 (Rajasthan)

Tel:- 0141-2771686

Email Id: galaxyconcab@hotmail.com

(hereinafter termed as Contractor)

(Kind Attention- Mr. Vinay Gupta {Director})

Sub: - Bid No: DA/UD/COR-OF/012: Shifting/Modification of Electrical Utilities of 11 kV, LT lines, RMUs, Transformers etc infringing Delhi-Gurugram-SNB RRTS Corridor of NCRTC (Chainage 23200-31950) [IDPL- Udyog Vihar – Rajiv Chowk].

Ref: -

- i. Press Advertisement dated 24.09.2019
- ii. Bid Reference No DA/UD/COR-OF/012 dated 23.09.2019.
- iii. Addendum No.1 published on 24.10.2019.
- iv. Addendum No.2 published on 30.10.2019.
- v. Technical Bid opened on 19.11.2019.
- vi. Post Bid queries uploaded on 10.12.2019
- vii. Reply of Post Bid queries downloaded on 13.12.2019
- viii. Financial Bid Opened on 18,12,2019

With reference to the above this is to inform to the Contractor that the bid for the subject work of Bid No: DA/UD/COR-OF/012: Shifting/Modification of Electrical Utilities of 11 kV, LT lines, RMUs, Transformers etc infringing Delhi-Gurugram-SNB RRTS Corridor of NCRTC (Chainage 23200-31950) [IDPL- Udyog Vihar – Rajiv Chowk] has been accepted by National Capital Region Transport Corporation Ltd (hereinafter termed as "Employer") at total contract value of Rs. 7,41,21,687.36 (Rupees Seven Crore Forty One Lakh Twenty One Thousand Six Hundred Eighty Seven and Thirty Six Paisa Only), hereinafter termed as "Contract value", inclusive of all taxes, duties, royalties etc. excluding GST. The scope of work, accepted rates and terms/conditions applicable to this LOA are as under:

1.0 Scope of Work

In terms of 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 (Works) Requirement under the bid documents read with amendments referred above, uploaded on Employer's website and submitted by the Contractor with their bid. The work shall be carried out as per the above scope of work.

Page 1 of 3 (Bid No. DA/UD/COR-OF/012)

Registered & Corporate Office:

७/६, सिरी फोर्ट इंस्टीट्यूशनल एरिया, अगस्त क्रांति मार्ग, नई दिल्ली ११००४९

7/6, Siri Fort Institutional Area, August Kranti Marg, New Delhi 110049

CIN: U60200DL2013G0I256716

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

M: contactus@ncrtc.in

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 shall include all duties, taxes, royalties, cess and other levies payable by the Bidder under the Contract, or for any other cause (including standard specifications), 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/supplier 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** As per Bid Conditions, this is fixed priced contract. Price Adjustment shall not be applicable in the present 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 09 months from the commencement date. As per clause 8.1 of GCC, Section-5, the commencement date will start from 11.01.2020 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 Letter of Acceptance by the Contractor, the Contractor shall furnish to the Employer a Performance Security in the form of Performance Bank Guarantee stipulated in Clause 4.2 of the General Condition of Contract (GCC), Section-5 and Appendix to Bid, Section-6 of the bid document for an amount of Rs. 74,12,169/- (Rupees Seventy Four Lakh Twelve Thousand One Hundred Sixty Nine Only) being amount equal to 10% (Ten Percent) of the accepted Contract value as stated in Clause 4.2 of Appendix to Bid, Section-6.

4.1 Submission of Additional Performance Security

In term of ITB Clause 35.5, **M/s Galaxy Concab (I) Pvt. Ltd.** is required to furnish "Additional Performance Security for an amount of **INR 1,55,920/- (Rupees One Lakh Fifty Five Thousand Nine Hundred and Twenty Only).** The validity of this 'Additional Performance Security would be up to the completion period of the work as stipulated in ITB Clause 35.5.

5.0 Release of Bid Security

In terms of 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.

Page 2 of 3 (Bid No. DA/UD/COR-OF/012)

6.0 Signing of Contract Agreement

In terms of 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 and its amendments 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 "CPM/Gurugram" (National Capital Region Transport Corporation Limited, 311 A&B, 3rd Floor, JMD Pacific Square, Sector-15, Part-II, Gurugram-122001) 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 is being issued in duplicate, in favour of the Contractor. The copy marked as "Duplicate" is required to be returned by the Contractor, duly signed and stamped on each page by the authorized signatory of the Contractor, as a token of Contractor unconditional acceptance of the same so as to reach the undersigned within seven days of issue of this letter. This LOA 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

T/6, AMDA BUILDING
Sw Fort Institutional Area
August Kranti Norg,
New Delhi-110049

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

Encl: Annexure-A (Bill of Quantities: Total 05 pages).

Copy to: GGM/Elect, CPM/Gurugram, AGM/Elect., AGM/Finance, GM/Planning, Sr. DGM HR.

NATIONAL CAPITAL REGION TRANSPORT CORPORATION LIMITED



ANNEXURE-I

,Transformers etc infringing Delhi-Gurugram-SNB RRTS Corridor of NCRTC (Chainage 23200-31950) [IDPL- Udyog Name of work: DA/UD/COR-OF/012: Shifting/Modification of Electrical Utilities of 11 kV, LT lines, RMUs Vihar - Rajiv Chowk]

PART-III

Section-10

Bill of Quanities

NATIONAL CAPITAL REGION TRANSPORT CORPORATION LTD

7/6, Siri Fort Institutional Area, August Kranti Marg, New Delhi-110049, Phone: 011-41066943, Fax: 011-4106 6953

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Bill of Quantities

PREAMBLE

- 1. The Bill of Quantities (BOQ) shall be read in conjunction with Instruction to Bidders, General and Particulars Conditions of Contract, Notice for Invitation of bids, Technical specification (if any), Employer's Requirements (if any) and Tender Drawings.
- 2. The accepted rates/prices to be 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, Royalities, insurances & all other incidental charges except Goods and Services Tax, required to fulfill the Bid Conditions including statutory deductions viz. TDS towards Income Tax / Works Contract Tax / GST TDS / Labour Cess etc. GST shall be paid as per para 2.1 of LOA.

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Bill of Quanities

SUMMARY SHEET

Name of work: Bid No. DA/UD/COR-OF/012: Shifting/Modification of Electrical Utilities of 11 kV, LT lines, RMUs, Transformers etc infringing Delhi-Gurugram-SNB RRTS Corridor of NCRTC (Chainage 23200-31950) [IDPL- Udyog Vihar – Rajiv Chowk]

	1				
JAIPUR	Accepted Amount (In INR)	(in fig.)	Ø	₹ 7,41,21,687.36	
GALAXY CONCAB (I) PVT. LTD., JAIPUR	Percentage' accepted by the bidder above/below/ at par the BOQ amount of respective part	(Accepted Percentage (%age) in figure)	ی	16.00	
	Percentage' accepted the BOQ an	Above/below/at par	4	Below	
NAME OF BIDDER	BOQ Amount (in INR)		М	₹ 8,82,40,104.00	
	Description		2	Shifting/Modification of Electrical Utilities of 11 kv, ET lines, RMUs, Transformers etc.	
	S.No.		-	- ω ¬	



Name of work : DA/UD/COR-OF/012: Shifting/Modification of Electrical Utilities of 11 kV, LT lines ,RMUs ,Transformers etc infringing Delhi-Gurugram-SNB RRTS Corridor of NCRTC (Chainage 23200-31950) [IDPL- Udyog Vihar – Rajiv Chowk]

	gg	, - 5		,	
Sr. No.	Description	Unit	Qty.	Rate (INR)	Amount (INR)
1	Supply and Erecion of PCC POLE 11MTR including mulfing & cement concrete etc. complete as per latest IS: 1678 & DHBVN specification and requirement.		275	5480.90	1507247.50
2	Supply and Erecion of PCC POLE 09 MTR including mulfling & cement concrete etc. complete as per latest IS: 1678 & as per DHBVN specification and requirement.	Nos	82	4032 18	330638.76
3	Supply, stringing, Testing & Commisioning of HT (11kV) AB Cable 3 C X 185 sqmm + 1x 150 sq mm messeger wire as per latest version of IS: 7098 (part-2) & IS: 398 and site requirements			916,15	458075.00
4	Supply, stringing, Testing & Commissioning of HT (11kV) AB Cable 3CX150 sq.mm + 1CX150 sq.mm messeger wire			690.38	345190.00
5	complete as per latest version of IS: 7098 (part-2) & IS: 398 and site requirements Supply, stringing, Testing & Commissioning of LT AB Cable 3 C X95 sqmm +70 sq. mm + 16 sq mm as per latest IS: 14255 and including insulation piercing connectors / P.G. clamps etc. as per site requirements		100	258.70	25870 00
6	Supply, stringing, Testing & Commissioning of LT AB Cable 3 C X 120 sqmm + 95 sq. mm + 16 sq mm as per latest IS: 14255 and including insulation piercing connectors / P.G. clamps etc. as per site requirements		100	302,58	30258.00
7	Supply installation Testing & Commissioning of Single Core Heat shock loint for HT (1100) 9CY185 on mm & 3CY150			690,38	6903.80
8	Supply, making, Testing & Commissioning of Single Core Heat shrink O/D Termination for HT (11kV) 3CX185 sq. mm & 3CX150 sq. mm AB cables with all required acessories and complete in all respect.	Nos.	25	690,38	17259.50
9	Supply and erection of suspension clamp assembly with Eye Hook and all required hardware fittings & accessories for stringing of AB cables etc.		31	43,14	1337.34
10	Supply of Dead end clamp assembly with Eye Hook and all required hardware fittings & accessories for stringing of AB cables etc.	Sel	30	43.14	1294.20
11	Supply, Erection, Testing & Commissioning of 11 KV 400 Amps GO/DO Switch complete with all hardware fittings & accessories e as per DHBVN specification and requirement.	Nos.	70	5177.85	362449.50
12	Supply and erection of 11 KV Disc Insulator complete with all hardware fittings & accessories as per DHBVN requirement and specifications.	Nos.	12	86.30	1035.60
13	Supply and erection of 11 KV Pin Insulator with Pin & complete with all hardware fittings & accessories as per DHBVN specifications and requirements.	Nos,	15	86,30	1294.50
14	Supply and erection of 11 KV Polymeric Disc Insulator complete with all hardware fillings & accessories as per DHBVN specifications and requirement and requirement.	Nos	20	132,45	2649.00
15	Supply and erection of 11 KV Polymeric Insulator with Pin & complete with all hardware fittings & accessories as per DHBVN specifications and requirements.	Nos	60	170,70	10242.00
16	Supply & Making of shackle points on HT/ LT O/H line of all sizes of conductors with using PG clamp/Lugs etc. for connecting jumpers/cables complete in all respect as per DHBVN specifications and requirements.	Nos.	60	862,98	51778.80
17	Supply & providing stay set in H.T./L.T. line complete with all hardware fittings & accessories as per DHBVN specifications and requirements.	Nos.	120	1665:73	199887.60
18	Supply and erection of Stay wire 7/8 SWG with all hardware fillings & accessories as per DHBVN specifications and requirements.	KG	800	74,96	59968.00
19	Supply and erection of Guy Insulators with all hardware fittings & accessories, as per DHBVN specifications and	Nos.	100	83,29	8329.00
20	requirements. Supply, stringing, Testing & Commissioning of ACSR Conductor size 100 sqmm as per DHBVN specifications and	Mtr.	100	79.07	7907.00
21	requirements. Supply, fabrication and fixing of MS fittings, channels, angles, flats, cross arms, clamps, hardware, nut-bolts etc. as		15000	43.14	647100 00
22	required. Supply, erection , Testing & Commissioning of Earthing with 3 Mtr, Long GI pipe as per latest IS: 3043	Sel	10	1294.46	12944.60
23	Supply, erection , Testing & Commissioning of Earthing with 6 Mtr. Long ,40 mm dia GI pipe with salt & charcoal earting set B class for line as per DHBVN specification /requirement		150	1882,50	282375.00
24	Maintenace free (chemical) Earthing with all the allied Materials as per DHBVN specification for DTs,RMU & LT feeder panel	set	40	5488.50	219540.00
25	Supply and fixing of Earthing with GI Strip of following sizes				
25.1	50x6 mm	Mtrs	22.19	129.45	2872.50 485870.00
26	25X6 mm Supply, Laying, Testing & Commissioning of following under ground 11 KV TR-XLPE Armoured cable as per latest	Mtrs	3500	138,82	0.00
	version of IS as per DHBVN specification 11 KV 3 C X 400 sq mm	Mtrs	30000	2040.64	61219200.00
26.2	11 KV 3 C X 300 sq mm 11 KV 3 C X 185 sq mm	Mtr.	5000 1000	1268.57 916,15	6342850.00 916150.00
	11 KV 3 C X 150 sq mm	Mtr.	1000	837.09	837090.00
27	Supply, Laying, Testing & Commissioning of following under ground 1100V grade LT XLPE Armoured cable as per latest version of IS: 7098 (part-1) and site requirements				0.00
	4 C X 300 sqmm 4 C X 150 sqmm	MIr.	150	949.27 690.38	142390.50 69038.00
27.3	4 C X 95 sqmm 3.5 C X240 sqmm	Mtr.	100 300	541.62 999.44	54162.00 299832.00
	3.5 C X 150 sgmm	Mtr.	100	666.28	66628.00
	3.5 C X 95 sqmm	Mtr.	150	541.62	81243.00 49972.50
				333 15	
27.8	3.5 C X 50 sqmm 4 C X 25 sqmm	Mtr.	150 150	333.15 249.87	37480.50
27.8	3.5 C X 50 sqmm 4 C X 25 sqmm Supply and Erection including pulling & commissioning of Un -Armoured optical Fibre(48 fibre) along with the all accessories, Connectors, switches and mainhole etc. to complete the job as per as per DHBVN specifications and requirement.	Mtr. Mtr. Mtrs	150		
28 29	3.5 C X 50 sqmm 4 C X 25 sqmm 5 C X 50 sqmm 5 C X 50 sqmm 6 C X 25 sqmm 8 C X 25 sqmm 8 Supply and Erection including pulling & commissioing of Un -Armoured optical Fibre(48 fibre) along with the all accessories, Connectors, switches and mainhole etc. to complete the job as per as per DHBVN specifications and requirement. 8 Supply and laying of PLB- HDPE (Permanently lubricated High Density poly Ethlene) pipe 40mm dia pipe for laying optical fibre cable as per DHBVN specifications and requirement.	Mtr. Mtr. Mtrs	150 150	249,87	37480.50
28 29 30	3.5 C X 50 sqmm 4 C X 25 sqmm 5 cpply and Erection including pulling & commissioning of Un -Armoured optical Fibre(48 fibre) along with the all accessories, Connectors, switches and mainhole etc. to complete the job as per as per DHBVN specifications and requirement. Supply and laying of PLB- HDPE (Permanently lubricated High Density poly Ethlene) pipe 40mm dia pipe for laying optical fibre cable as per DHBVN specifications and requirement. Supply, laying, Testing & Commissioning of Single Core LT XLPE armoured PVC cables size 185 sqmm as per latest version of 18: 7088 (part-1) and site requirements.	Mtr. Mtr. Mtrs	150 150 8000	249.87 58.00	37480.50 464000.00
28 29 30 31	3.5 C X 50 sqmm 4 C X 25 sqmm 5 C X 50 sqmm 5 C X 50 sqmm 6 C X 25 sqmm 8 C X 25 sqmm 8 C X 25 sqmm 8 Supply and Erection including pulling & commissioning of Un -Armoured optical Fibre(48 fibre) along with the all accessories, Connectors, switches and mainhole etc. to complete the job as per as per DHBVN specifications and requirement. 8 Supply and laying of PLB- HDPE (Permanently lubricated High Density poly Ethlene) pipe 40mm dia pipe for laying optical fibre cable as per DHBVN specifications and requirement. 8 Supply, laying, Testing & Commissioning of Single Core LT XLPE armoured PVC cables size 185 sqmm as per latest version of 18: 7088 (part-1) and site requirements 10 ligging of trench of suitable size in normal soil / pukka / foot path of file/ Rajsthani stone/ Kota stone/ Agra stone/ Tiles for above cables laying as per DHBVNspecifications and requirements.	Mtr. Mtr. Mtrs	150 150 8000 8000	249,87 58.00 73.50	37480.50 464000.00 588000.00
28 29 30 31 32	3.5 C X 50 sqmm 4 C X 25 sqmm 5 Supply and Erection including pulling & commissioing of Un -Armoured optical Fibre(48 fibre) along with the all accessories, Connectors, switches and mainhole etc. to complete the job as per as per DHBVN specifications and requirement. 5 Supply and laying of PLB- HDPE (Permanently lubricated High Density poly Ethlene) pipe 40mm dia pipe for laying optical fibre cable as per DHBVN specifications and requirement. 5 Supply, laying, Testing & Commissioning of Single Core LT XLPE armoured PVC cables size 185 sqmm as per latest version of 18: 7088 (part-1) and site requirements. Digging of trench of suitable size in normal soil / pukka / foot path of tile/ Rajsthani stone/ Kota stone/ Agra stone/ Tiles for above cables laying as per DHBVNspecifications and requirements. Back filling of trench with bricks & sand for all types of cables in trench as per site requirement including tranportation at site, Removal of surplus malba from the site and proper ramming of the surface.	Mtr. Mtr. Mtrs Mtrs Mtrs	150 150 8000 8000 200	249.87 58.00 73.50 172.60	37480.50 464000.00 588000.00 34520.00
28 29 30 31	3.5 C X 50 sqmm 4 C X 25 sqmm 5 C X 25 sqmm 5 C X 25 sqmm 5 C X 25 sqmm 6 C X 25 sqmm 7 Supply and Erection including pulling & commissioing of Un -Armoured optical Fibre(48 fibre) along with the all accessories, Connectors, switches and mainhole etc. to complete the job as per as per DHBVN specifications and requirement. Supply and laying of PLB- HDPE (Permanently lubricated High Density poly Ethlene) pipe 40mm dia pipe for laying optical fibre cable as per DHBVN specifications and requirement. Supply, laying, Testing & Commissioning of Single Core LT XLPE armoured PVC cables size 185 sqmm as per latest version of 18: 7098 (part-1) and site requirements. Digging of trench of suitable size in normal soil / pukka / foot path of file/ Rajsthani stone/ Kota stone/ Agra stone/ Tiles for above cables laying as per DHBVNspecifications and requirements. Back filling of trench with bricks & sand for all types of cables in trench as per site requirement including tranportation at site. Removal of surplus malba from the site and proper ramming of the surface. Crossing of roads by trench-less technology by laying of HDPE pipe PN -4 Class including supply of HDPE pipe 160 mm dia.	Mtr. Mtrs Mtrs Mtrs Mtrs Mtr. Mtr. Mtr. Mtr.	150 150 8000 8000 200 15000	249.87 58.00 73.50 172.60 43.14	37480.50 464000.00 588000.00 34520.00 647100.00
28 29 30 31 32 33 34	3.5 C. X 50 sgmm Supply and Erection including pulling & commissioning of Un -Armoured optical Fibre(48 fibre) along with the all accessories, Connectors, switches and mainhole etc. to complete the job as per as per DHBVN specifications and requirement. Supply and laying of PLB- HDPE (Permanently lubricated High Density poly Ethlene) pipe 40mm dia pipe for laying optical fibre cable as per DHBVN specifications and requirement. Supply, laying, Testing & Commissioning of Single Core LT XLPE armoured PVC cables size 185 sqmm as per latest version of IS: 7098 (part-1) and site requirements. Digging of trench of suitable size in normal soil / pukka / foot path of file/ Rajsthani stone/ Kota stone/ Agra stone/ Tiles for above cables laying as per DHBVNspecifications and requirements. Back filling of trench with bricks & sand for all types of cables in trench as per site requirement including tranportation at site. Removal of surplus malba from the site and proper ramming of the surface. Crossing of roads by trench-less technology by laying of HDPE pipe PN -4 Class including supply of HDPE pipe 160 mm dia. Supply, digging & laying of RCC Hume Pipe in normal soil/ foot path of tile/ Rajsthani stone/ Kota stone/ Agra stone/ Tiles 160 mm Dia, backfilling, removal of surplus malba and proper ramming of the surface.	Mtr. Mtrs Mtrs Mtrs Mtr. Mtr. Mtr. Mtr. Mtr.	150 150 8000 8000 200 15000	249.87 58.00 73.50 172.60 43.14 43.14	37480.50 464000.00 588000.00 34520.00 647100.00
28 29 30 31 32 33 34	3.5 C X 50 sqmm 4 C X 25 sqmm 5 cypty and Erection including pulling & commissioning of Un -Armoured optical Fibre(48 fibre) along with the all accessories, Connectors, switches and mainhole etc. to complete the job as per as per DHBVN specifications and requirement. Supply and laying of PLB- HDPE (Permanently lubricated High Density poly Ethlene) pipe 40mm dia pipe for laying optical fibre cable as per DHBVN specifications and requirement. Supply, laying, Testing & Commissioning of Single Core LT XLPE armoured PVC cables size 185 sqmm as per latest version of 18: 7088 (part-1) and site requirements. Digging of trench of suitable size in normal soil / pukka / foot path of tite/ Rajsthani stone/ Kota stone/ Agra stone/ Tites for above cables laying as per DHBVNspecifications and requirements. Back filling of trench with bricks & sand for all types of cables in trench as per site requirement including tranportation at site, Removal of surplus malba from the site and proper ramming of the surface. Crossing of roads by trench-less technology by laying of HDPE pipe PN -4 Class including supply of HDPE pipe 160 mm dia, Supply, digging & laying of RCC Hume Pipe in normal soil/ foot path of tite/ Rajsthani stone/ Kota stone/ Agra stone/ Tites 160 mm Dia, backfilling, removal of surplus malba and proper ramming of the surface. Supply, making, Testing & Commissioning of Outdoor cables end termination box(Kit) with all required accessories and complete in all respect of Following sizes	Mtr. Mtrs Mtrs Mtrs Mtr. Mtr. Mtr. Mtr. Mtr. Mtr. Mtr.	150 150 8000 8000 200 15000 15000 9000	249.87 58.00 73.50 172.60 43.14 43.14 776.68	37480.50 464000.00 588000.00 34520.00 647100.00 647100.00 6990120.00
28 29 30 31 32 33 34 35 35,1	3.5 C X 50 sgmm 4 C X 25 sgmm Supply and Erection including pulling & commissioning of Un -Armoured optical Fibre(48 fibre) along with the all accessories, Connectors, switches and mainhole etc. to complete the job as per as per DHBVN specifications and requirement. Supply and laying of PLB- HDPE (Permanently lubricated HIgh Density poly Ethlene) pipe 40mm dia pipe for laying optical fibre cable as per DHBVN specifications and requirement. Supply, laying, Testing & Commissioning of Single Core LT XLPE armoured PVC cables size 185 sqmm as per latest version of IS: 7098 (part-1) and site requirements. Digging of trench of suitable size in normal soil / pukka / foot path of file/ Rajsthani stone/ Kota stone/ Agra stone/ Tiles for above cables laying as per DHBVNspecifications and requirements. Back filling of trench with bricks & sand for all types of cables in trench as per site requirement including tranportation at site. Removal of surplus malba from the site and proper ramming of the surface. Crossing of roads by trench-less technology by laying of HDPE pipe PN -4 Class including supply of HDPE pipe 160 mm dia. Supply, digging & laying of RCC Hume Pipe in normal soil/ foot path of tile/ Rajsthani stone/ Kota stone/ Agra stone/ Tiles 160 mm Dia, backfilling, removal of surplus malba and proper ramming of the surface. Supply, making, Testing & Commissioning of Outdoor cables end termination box(Kit) with all required accessories and complete in all respect of Following sizes	Mtr. Mtrs Mtrs Mtrs Mtr. Mtr. Mtr. Mtr. Mtr. Mtr.	150 150 8000 8000 200 15000 15000 100	249.87 58.00 73.50 172.60 43.14 43.14 776.68 172.60	37480.50 464000.00 588000.00 34520.00 647100.00 6490120.00 17260.00
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franco (2020

716. AMDA BUILDING
Sin Fort Institutional Area
August Kranti Marg.
New Delhi-110049
NCRTC

Name of work : DA/UD/COR-OF/012: Shifting/Modification of Electrical Utilities of 11 kV, LT lines ,RMUs ,Transformers etc infringing Delhi-Gurugram-SNB RRTS Corridor of NCRTC (Chainage 23200-31950) [IDPL- Udyog Vihar – Rajiv Chowk]

ir. No.	Description	Unit	Qty	Rate (INR)	Amount (INR)
36	Supply, making, Testing & Commissioning of cables end termination box Indoor type with all required accessories and complete in all respect of Following sizes				
36.1	11 KV 3 C X 400 sq mm	Nos	4	4422.70	176908
	11 KV 3 C X 300 sq mm	Nos.	2	2588.92	5177.8
	11 KV 3 C X 185 sq mm	Nos.	i to	3331.46	3331.4
36.4	11 KV 3 C X 150 sq mm Supply, Making, Testing & Commissioning of 11 KV Straight Through Joint with all required accessories and complete in	Nos.	1	1725.95	1725.9
37.1	all respect of following sizes	Mon	13	15034.00	105440.0
	11KV3CX400sqmm 11 KV 3 C X 300 Sq.mm	Nos.	5	6472,31	195442.0 32361.5
	11 KV 3 C X 365 sq.mm	Nos.	1	6472.31	6472.3
	11 KV 3 C X 150 sq mm	Nos.	1	6472.31	6472.3
	Supply & Making of End Termination outdoor type of 1100V grade Aluminium XLPE Cable with all required accessories	1100			0.1/2.0
38	and complete in all respect of following sizes				
38.1	4 C X 300 sqmm	Nos.	2	1294.40	2588.8
	4 C X 150 sqmm	Nos.	2	862.98	1725.9
	3.5 C X300 sqmm	Nos.	10	2498,59	24985.9
38.4	3.5 C X 150 sqmm	Nos.	10	2498.59	24985.9
39	Supply & Making of Straight Through Joint of 1100V grade Aluminium XLPE Cable with all required accessories and complete in all respect of following sizes				0.0
39.1	4 C X 300 sqmm	Nos:	2	1725.95	3451.9
	4 C X 150 sgmm	Nos.	2	1725.95	3451.9
	3.5 C X300 sqmm	Nos.	10	2915.02	29150.2
	3.5 C X 150 sqmm	Nos.	10	2915.02	29150.2
40	Dismantling, Shifting, Re-erection, Testing & Commissioning of Distribution Transformers/PT upto 63 KVA (Including Disconnection and reconnection of cables and transformer accessories etc as required)	Nos.	8	6662.91	53303.28
41	Dismantling, Shifting, erection, Testing & Commissioning of Distribution Transformers/PT 100 KVA (Including Disconnection and reconnection of cables and transformer accessories etc as required) of following sizes	Job	22	8328.64	183230.06
42	Removing of all existing electric connection from transformer (250 kVA) including accessories etc as required.	Job	2	690,38	1380,76
43	Lifting of transformer (250 kVA to 990 kVA) from existing place with the help of crane or chain pulling block and erection at new place.	Job	2	1725,95	3451,90
44	Dismantling of ACBs/LT Switch/ LT Junction Box/Metering Box etc. from old place and erection at new place.	Job	30	690.38	20711.40
45	Connection of LT cable with ACBs/LT Switch/LT Junction Box/Metering Box/ overhead LT line etc. as per site requirements.	Job	30	517.79	15533,70
46	Dismanlling of wire mesh from old place and providing wire mesh fenching work all around the Transformer as per site requirements including civil work with all required accessories and complete in all respect.	Job	10	862,98	8629.80
47	Supply & fixing and painting of wire mesh fencing for protection of transformer,	Job	10	862,98	8629.80
48	Construction of Plinth suitable for various ratings of transformers, concreting of fencing foundation and pole foundation etc as per standerd design, the ratio of cement concrete specified grade 1:2:4(1 cement2 corse sand:4 graded stone aggregate)	CuM.	20	1725,95	34519.00
49	Supply and erection of Number Plate with clamp with all required accessories and complete in all respect.	Nos,	15	43.14	647.10
50	Supply and erection of Danger Plate with clamp with all required accessories and complete in all respect.	Nos.	70	43.14	3019.80
	Supply erection, Testing and Commissioning of Lightning Arrester for 11kV system with all required accessories and	1/4			
51	complete in all respect.	Nos	5	1249,30	6246,5
52	Supply, laying of "B" class 100 mm dia. GI Pipe for the protection of the HT cable while mounting on DP etc. Dismantling of overhead line including poles, conductors and other accessories like hardware fitting insulators etc.	Mtr.	500	258.89	129445.0
53	Dismantling of overhead line including poles, conductors and other accessories like hardware fitting, insulators etc. including storage, transportation & handing over of dismantled/released material to concerned DHBVN store and submission of handing over receipts (per circuit of 11kV / LT line)		15000	41,65	624750.0
54	Supply, erection of 3 phase LT Distribution box (8 way) and connection of LT cable, , service mains etc. with all required accessories and complete in all respect as per DHBVN specification and requirement Foundation of EMU for one way stand alone and extensible as per DHBVN specifications and requirement and	Nos.	30	3960.48	118614.4
55	requirement including material as per DHBVN specification /requirement	No	5	6152.00	30760.0
56	Foundation of EMU for 2 way,3way,4 way 65 way unit as per DHBVN specifications and requirement and requirement including material as per DHBVN specification /requirement	No	2	18456,00	36912.0
57	Re Erection,Testing and commissioing of Out door type 11KVSF6 type extensible and moterized 3 way smart Ring main Unit (RMU) complete with one VCBand two LBS and with FPI as per IS (without FRTU)	No	1	7452.30	7452.30
58	Re Erection, Testing and commissioling of Out door type 11KVSF6 type extensible and moterized one way smart Ring main Unit (RMU) complete with LB and with FPI as per IS & as per DHBVN specification & as per DHBVN specification	No	1	3076,00	3076.00
59	Re Erection,Testing and commissioing of Out door type 11KVSF6 type extensible and moterized one way smart Ring main Unit (RMU) complete with VCB as per IS & as per DHBVN specification	No	2	3486.10	6972.20
60	Re Erection,Testing and commissioing of of Out door type 11 KV SF6 type bus coupler/Bus dis connector as per IS & as per DHBVN specification	No	3	3076.00	9228_0
61	Shiftings of RUMs of 2way /3 way /4 way	No	2	2236.00	4472.0
62	Shiftings of RUMs of 1 way	No	6	922,90	5537.40
63	Providing 1 Meter height temporary barricade and arrangement for traffic diversion, safety etc. as per requirement of site.	Mtr	455	1379.97	627886.3
	Total Amount (INR)				
	Total Amount (INR) (Round off)				
	Quoted 16.00% Below (INR)				
_	Net Amount (Excluding GST) (INR)				

