

**NEW DELHI MUNICIPAL COUNCIL
OFFICE OF THE EXECUTIVE ENGINEER ELECTRIC
3RD FLOOR, MOHAN SINGH PLACE,
BABA KHARAG SINGH MARG, NEW DELHI -110001**

QCM/ No. **01** /AEE M/N-II/EE(M/N) (E)-2017-18

Date:- **21-4-17**
Due Dated:- **28-4-17**

M/s.....

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Dear Sir,

Please quote your lowest rate for the following supply in sealed cover duly super-scribed with quotation number and date. Your sealed quotation must reach this office by 1500 hrs. on the due date. Quotations received will be opened at 15.30 hrs, on the same date in the presence of intending contractor or their authorized representatives.

It shall be the responsibility of the tenderer to ensure that their quotation reaches in time. As such the quotation received after the due date and time will not be considered.

Subject:- Repairing of HT Cable fault from ESS Connaught Place to ESS Hindustan Times

S. N	Description	Qty	Unit	Rate in Fig.	Rate in words	Amount
	PART-A					
1	Grond Penetrating Radar Survey (GPRS) charges upto 01 Km.	01 Job	No.			
	PART-B					
2	Laying of PILCA/ PVC/ XLPE insulate cables of following sizes direct in ground including excavation, sand cushioning, protective covering and refilling the trench as per specifications in Hard Soil.					
2 a	Above 70 sq. mm/ 3C to 400 sq. mm/3C - Grade 11 KV (H.T.)	40	Mtr.			
3	Road cut of any thickness (metallised/ concrete) for one HT cable					
3 a	Road berm/ stonefootpath/ brick footpath / C.C. slab/ approach gate.	40	Mtr.			
4	Supplying & laying of 125 mm dia. (O.D.) HDPE pipes ISI Marked PN-4 Class of following sizes across Road / Service Road by Trench Less Technology in various Roads/ Service Roads/ Main Gate in NDMC area.	105	Mtr.			

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5	Drawing of PVC/PILCA/ XLPE Power Cables of Grade 11 KV of the following sizes in existing RCC/ HDPE pipe. Closed Duct, subway or Sub Station.					
5 a	Above 150 sq. mm/3C and upto 1000 sq.mm/3C	105	Mtr.			
6	H.S. Type St. Th. Joint Box 11 KV HT XLPE Cable 400 Sq. mm.	2	Nos.	To be done by NDMC Departmentally		
	Total (Part -A + Part - B) in Rs.					

Taxes as Applicable

Grand Total:-

Total Amount in Words:-

OTHER TERMS AND CONDITIONS:-

- Rates:** The rates will be written in figures as well as in words.
- Validity:** The rate should hold good for three months from the date of opening of the quotation. The validity period quoted less than 3 months will not be taken into consideration.
- Completion period:** The work of GPRS will as specified in the Q.C.M. is to be completed within 07 days from the work award and trenchless work for laying of HT Cable will be completed within 10 days after getting permission from Road cut Division.
- Compensation/Liquidated damages in the event of any delay the penalty @1% per day subject to a maximum of 10% will be imposed on the amount of total work against this Q.C.M.
- Risk & Cost:** The firm will be legally bound to execute the order after its acceptance within the completion period as stipulated in the work order. In case the firm fails to execute the order either in full or in part within the stipulated period this department reverses the right to get the work done at the risk & cost of the firm without making any reference and thereafter make recoveries from the firm if deemed necessary.
- Payment:** Our standard terms of payment is within 15/30 days after the receipt of bill in duplicate duly stamped and pre-receipted subject to timely completion of work as per the specifications and to the entire satisfaction of the Engineer-in-charge.
- Terms and conditions:** if any imposed by the firm other than the ones specified by us shall not be acceptable to us. The department reserves the right to accept the rates other than the lowest or reject any tender without assigning any reason or not award the work to any of the contractor quoting against this QCM.
- Guarantee Period:** 05 years (item no. 6) from the date of making of HT Cable joint.
- Security Deposit and Guarantee For Due Performance:** The security deposit @ 10% of the tender amount (5% Performance Guarantee & 5% security Amount) shall be deducted from the contractors bill. The performance guarantee shall be refunded to the contractor soon after the completion of the work and recording of the completion certificate. The security will be refunded after Twelve months on satisfactory completion of the work.
- Arbitration:-** In the event of any dispute or difference arising between the contractor and the NDMC, the same will be referred to the sole Arbitrator appointed by the Spl. Officer/head of NDMC or his nominee whose decision shall be final and binding on both the parties. The venue of arbitration shall be National Capital Territory of Delhi.
- Agreement:** The contractor will be required to execute an agreement on Rs. 50/- non-judicial stamp paper to be procured by him in case the value of the work Order amount to Rs. 25000/- and above.
- The site can be inspected by the contractor before quoting the rates.
- Location of site in front of Fire Station outer circle Connaught Place.

SPECIFICATIONS:-

Laying of HT cables of all sizes.

- The Cable laying work shall conform generally to specification as per IS 1255 latest edition and also according to Indian Electricity Rules. The HT cable laying work shall be inspected by the Electrical Inspector, Govt. of NCT Delhi.
- For one cable, the trench shall be 1.10 mts. deep for the cables above 11KV grade. The trench shall not be less than 0.30 mtrs. Wide. If more than one cable length is to be

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accommodated in the same trench under individual brick tiles, the width shall be increased by 23 cm for such extra run of cable. Where it is not possible to excavate specified deep due to unavoidable circumstances and accepted subject to the approval of the Executive Engineer In charge, proportionate deduction will be made from the contractor on this account.

3. The trench shall be excavated with a uniform cross section through out with its angles and sides square and in accordance as per the above specifications unless directed by the Engineer In charge. Where the cables are to be laid in a straight run and the trench shall be excavated in a well defined straight line and where it is necessary to divert the cable to run them in a curvature, the trench shall be excavated in an arc with a defined radius as per specifications below. Cables where laid along road berms shall run parallel to the centerline of the road. Where gradients and change in the depth are unavoidable these shall be gradual.
4. Where the cables have to be diverted, the curvature of the bends shall have a radius not less than twice the diameter of the cable drum or 20 times the diameter of the cable whichever is greater of the two.
5. The distance of the centerline of the trench from the curve or the road berm of any cable shall be decided by the Engineer In charge or his authorized representative.
6. For excavating a trench, route shall be taken between the feeding and receiving end. Route shall be decided by the engineer In charge or his authorized representative. To ensure that cable is laid in a well defined manner, the contractor shall excavate inspection pits not less than the depth of the trench to be excavated and spacing not more than 20 meter so that straight route free from existing services is followed.
7. After excavation of the trench, the trench shall then be provided with a layer of clean, dry, sand cushion of not less than 8 cm in depth before laying the cables therein. The cable laid in trenches in single tier formation shall have a covering of dry sand of not less than 17 cm above. The base cushion of sand before the protected cover is laid, so that the total sand of cushioning is 25 cm. The cable should run in the center of their rectangular cross section of the sand cushioning. The sand should then be lightly rammed and the brick tiles put over the top of the sand cushioning, making one solid and continuous strip of the brick tiles. Extra care should be taken to ensure that no gaps are left between the two consecutive brick tiles. If only one cable is laid in a trench, covering of 23 cm width of brick tiles should be sufficient. For each additional cable length in the same trench, the width of the brick tile covering shall be increased by 23 cm.
8. The sand used in the cushioning for cable shall be free from any hard substance such as stones, pieces of broken bricks, pebbles, etc.
9. The brick tiles Class 'B' used in covering the cables in the trench shall be fully burnt in proper shape and in one piece. Broken brick tiles or parts thereof shall not be used in covering the cables.
10. RCC pipes laid should be properly sealed at joints, joined with RCC Collars and both the ends with appropriate lean cement concrete mixture thereby avoiding any plugging of pipe with mud etc. No extra payment will be made for this. RCC pipes shall be ISI Marked. with built in collars.
11. As required by the Engineer In charge or his authorized representative, cable loops shall be left for connection up to panels, pillars, road light poles, etc.
12. All cables before laying shall be tested with a 2500/5000V megger. The cable cores tested for continuity absence of cross phasing, insulation, and resistance from conductors of earth/armor and between conductors. The contractor shall provide the megger results after completing the cable laying works.
13. The road cut should be properly filled up with material excavated from there that should be suitably rammed and compacted so that there is no hindrance to traffic and also follow all the instructions as per the road cut permission obtained from the department/other authorities.

SPECIAL CONDITIONS:-

1. The work shall be carried out strictly in accordance with the specifications and shall also conform to requirement of Indian Electricity Rules in force as amended up to date.
2. Agency/Contractor will provide all details of employees engaged for this work.
3. The contractor will work strictly in accordance with the instruction of Engineer-in-Charge or through his staff, if so authorized.
4. The work executed by the Contractor shall at all times be open for inspection of Engineer in Charge or his authorized representative.
5. The contractor will be fully responsible for the safe custody of the material right from the time of possession taken of the same from the NDMC's Engineers.

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6. No compensation for any damage caused to the works or materials by rain, flood or other natural calamities shall be paid to the contractor. The contractor shall have to bear the complete cost to repair/replace the damaged work/material.
7. The contractor shall use the good quality or ISI mark material as approved by the Engineer In charge for various items of work.
8. The NDMC reserves the right to accept and reject any quotation in part or full without assigning any reason.
9. The Contractor shall make necessary arrangement for the safe custody of material issued to him by NDMC for incorporating in the work, to avoid any loss due to theft, pilferage, fire etc.
10. In case of any dispute between the contractor and the Council relating to the terms & conditions of any way arising out of the work the same shall be referred to the sole arbitration of the Chairperson, NDMC, New Delhi whose decision shall be final and binding on the both parties.
11. In case the contractor fails to undertake the work assigned to him by the department within the specified time, the same shall be got executed by the department from other sources at his risk & cost.
12. No advance shall be paid against material and payment shall be made as per Terms & Conditions or after entire completion of the supplies.
13. For evaluation of quoted prices, the total amount of the entire work including taxes & duties etc. shall be considered. (Item rates shall not be considered for evaluation).
14. Agency/Contractor will provide all details of employees engaged for this supply.
15. NDMC shall not be responsible in case of any mis-happening, related to men and material during the execution of supply and shall be free from all legal bindings.
16. Necessary precautions as required for the men and materials shall be taken by the contractor.
17. All the necessary safety equipments like safety belts, helmets etc required for the safe guard of the workers working at the site shall be provided by the contractor.
18. The top surface of pipes shall be at a minimum depth of 1m from the pavement level when laid under roads, pavements etc.
19. The size of the HDPE pipe shall not be less than 125mm (O.D) in diameter for a single cable.
20. Pipes shall be continuous and clear of debris or concrete before cables are drawn.
21. The trenches shall be then back-filled with excavated earth, free from stones or other sharp ended debris and shall be rammed and watered.
22. Cables laid in trenches in a single tier formation shall have a covering of dry sand of not less than 17cm above the base cushion of sand before the protective cover and second class brick are placed on top of the sand to the full length of the cable for mechanical protection and moisture.
23. Trenchless should be done by machine and also HDPE pipe of dia.125 mm (O.D) ISI Make should be laid for passing the HT cable after that trench should be filled with soil.
24. Cable placed in the trench without sustain damage, if damage during laying than contractor will repair the cable on his own cost, no extra payment will be paid by employer.
25. Contractor shall responsible for removal and disposal of all surplus spoil or debris from the Site at his own cost.
26. Where work is required close to the gas transmission system the contractor must contact the pipeline owner before any work commences ASP must ensure that a safety observer from the pipeline operator is on site during the work.
27. The surface shall be left in such a condition as not to constitute a hazard and shall be the same as the original unexcavated land.
28. During the execution of work, if there is any damage to any municipal/ private property than that will be responsibility of the contractor executing the work to make good the same at their own cost.
29. Anything specifically not mentioned above, for safe, secure and satisfactory Repairing of HT Cable fault from ESS Connaught Place to ESS Hindustan Times shall deemed to have been included in the offer and nothing extra shall be payable on this account.

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Executive Engineer (E)
M/N Division

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