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DAKSHIN HARYANA BIJLI VITRAN NIGAM
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To

M/s Dilbag Singh Maan Contractor,
K. Electrical, Badhara, Bhiwani

Work order no. 56 /SE/Const./HSR/EOI-18/PD&C/2020-21 Dated:- 06/05/2021

Subject: - Contract for supply, erection, testing & commissioning of material for shifting of 33 KV Tosham-Sangwan line passing over the newly constructed Judicial Court Complex Tosham within the jurisdiction of DHBVN against Expression of Interest EOI-18/PD&C/2020-21.

Please refer to the CE PD&C DHBVN Hisar office memo No.Ch-183/EOI-18/PD&C/2020-21 dated 15.06.2020 regarding empanelment of electrical contractor to execute the work on the approved rates under the jurisdiction DHBVN against EOI-18/PD&C/2020-21. The opening date of technical BID of EOI-18 is 24.01.2020.

On the basis of approved rates, the work for supply, erection, testing & commissioning of material for shifting of 33 KV Tosham-Sangwan line passing over the newly constructed Judicial Court Complex Tosham within the jurisdiction of DHBVN against Expression of Interest EOI-18/PD&C/2020-21 is hereby placed upon you. Thus, a contract has come in to force in terms thereof.

1. SCOPE OF WORK:-

Supply, erection, testing & commissioning of material for shifting of 33 KV Tosham-Sangwan line passing over the newly constructed Judicial Court Complex Tosham within the jurisdiction of DHBVN against expression of Interest EOI-18/PD&C/2020-21 as per terms and conditions of the EOI-18 for execution of following work:-

Sr. No.	Name of circle	Name of Const. Division	Name of 33 KV Substation/line
1	Bhiwani	Bhiwani	Shifting of 33 KV Tosham-Sangwan line passing over the newly constructed Judicial Court Complex Tosham

2. WORKS-IN -CHARGE:-

"Engineer-in-charge" i.e. XEN Construction concerned shall be the Nodal Officer for the works to be executed. He will ensure supply & erection of material against the contract strictly as per technical specifications. The execution of the works shall be got carried out by XEN Construction under the control of this office. XEN Construction will be directly responsible for the execution of Works, measurement and verification of bills for payments.

3. COMPLETION SCHEDULE:-

Time for completion:-

The work shall be completed and shall have passed the tests on completion within 4 Months from the date of issue of work order.

Date of inspection and clearance by Chief Electrical Inspector will be considered as date of completion of works. However, for 33 kV Sub-Station works one week after inspection & clearance by Chief Electrical Inspector OR from the date of deemed commissioning by M&P Engineering, whichever is earlier, shall be considered as date of completion of work.

PRICES:-

The % age rates quoted by the Applicant shall be 'FIRM' during the performance of the contract and shall not be subject to variation on any account. However, for projects having completion period of more than six months, PV clause may be made applicable for conductor, cable, DT, Power Transformers, Steel items etc as per relevant IEEMA circulars.

The schedule of prices is given as under:-

Supply Part:-

Sr. No	Description	Unit	Qty	Supply Rate	Total
1	Lattice Tower Structure D/C Type	Nos	10	56234.00	562340.00
2	M+6 Type Tower	Nos	3	130553.0	391659.00
3	ACSR Conductor 150mm ² (Leopard)	Mtrs	1840	106.20	195408.00
4	33KV Pin insulators with pin	Nos	39	648.00	25272.00
5	33 KV Disc insulators 45KN T & C type	Nos	21	307.00	6447.00
6	Single Tension Fittings for 150mm ² ACSR Conductor	Nos	21	134.00	2814.00
7	Suspension Fittings for 150mm ² ACSR conductor	Nos	0	113.00	0.00
8	U- Bolt for suspension Fitting	Nos	0	50.00	0.00
9	PG Clamps for 150mm ² ACSR conductor	Nos	24	40.00	960.00
10	33 KV Top Brackets / hamper (Galvanized)	Nos	0	249.00	0.00
11	X Arm (Single Pole) 100x50x6 mm (Galvanized) 2200 mm	Nos	0	1668.00	0.00
12	Channel (X-Arm) 100x50x6mm 3050mm (for H pole) (Galvanized)	No	0	2257.00	0.00
13	GI channel 75x40x6 3350mm (for earth wire) (Galvanized)	No	6	2033.00	12198.00
14	GI Angle 50x50x6mm-2860mm (Bracing H. Pole) (Galvanized)	No.	0	1108.00	0.00
15	M.S Angle 50x50x6mm-2200mm (Belling for H-pole) (Galvanized)	No.	0	853.00	0.00
16	Half Clamps (Galvanized)	No.	0	124.00	0.00
17	Full Clamps (Galvanized)	No.	0	196.00	0.00
18	Stay Sets 8' long complete with X-Plat 460mm of Angle 65x65x6 Elbow & rod with Disc	Nos	6	1052.00	6312.00
19	Stay wire 7/8 SWG	Kgs	90	78.88	7099.20
20	G.I. Pipe 40 mm dia 6 mtr. Long for earthing	Nos	13	1901.00	24713.00
21	Earthing with Earth rod as per Drawing	Nos	0	391.00	0.00
22	GSL 8 SWG	Kgs	125	77.88	9735.00
23	GI Nuts & Bolts (Galvanized)	Kgs	10	83.00	830.00
24	Danger Plates (Enamelled) with clamp	Nos	13	68.00	884.00
25	Number Plates (Enamelled) with clamp	Nos	13	68.00	884.00
26	Phase plate for each phase set of 3 (on each H-Pole & 4-Pole)	Set	3	57.00	171.00
27	Eye Screw Bolts 9"x5/8" Wt. 0.483 Kg. (Galvanized)	Nos	0	40.00	0.00
28	Barbed Wire (Galvanized)	Kgs	52	62.09	3228.68
29	G.I. Strip 25x6 mm 9 mtr. For earthing Wt. 10.80 Kg (Galvanized)	Nos	7	912.00	6384.00

30	Knee Bracing - MS Flat 50x6 900 mm	Nos	0	186.00	0.00
31	GI Chanel 100x50(ISMC-100) for height	Nos	0	61.06.00	0.00
32	Disc fitting T & C Type	No	21	87.00	1827.00
33	Catenary wire 7/14 SWG	Kgs	0	74.70	0.00
Total					1259165.88
Add over head Charges @ 16.50%					207762.37
Total					1466928.25
Add 9.50% as per EOI- 18					139358.18
G. Total					1606286.43

Erection Part:-

Sr. No	Description	Unit	Qty	Erection Rate	Total
1	Lattice Tower Structure D/C Type	Nos	10	3232.35	32323.50
2	M+6 Type Tower 1516 Kg (factor@Rs.4.95 per Kg)	Nos	3	7504.00	22512.00
3	ACSR Conductor 150mm ² (Leopard)	Mtrs	1840	5.59	10285.60
4	33KV Pin insulators with pin	Nos	39	0.00	0.00
5	33 KV Disc insulators 45KN T&C type	Nos	21	0.00	0.00
6	Single Tension Fittings for 150mm ² ACSR Conductor	Nos	21	0.00	0.00
7	Suspension Fittings for 150mm ² ACSR conductor	Nos	0	0.00	0.00
8	U- Bolt for suspension Fitting	Nos	0	0.00	0.00
9	PG Clamps for 150mm ² ACSR conductor	Nos	24	0.00	0.00
10	33 KV Top Brackets / hamper	Nos	0	0.00	0.00
11	X Arm (Single Pole) 100x50x6 mm	Nos	0	0.00	0.00
12	M.S. Channel (X-Arm)100x50x6mm 3150mm (H pole	No	0	0.00	0.00
13	M.S. channel 75x40x6 3350mm (for earth wire)	No	6	0.00	0.00
14	M.S. Angle 50x50x6mm-2860mm (Bracing H. Pole)	No.	0	0.00	0.00
15	M.S Angle 50x50x6mm-2200mm (Belting for H-pole)	No.	0	0.00	0.00
16	Half Clamps	No.	0	0.00	0.00
17	Full Clamps	No.	0	0.00	0.00
18	Stay Sets 8' long complete with X-Plat 460mm of Angle 65x65x6 Elbow & rod with Disc	Nos	6	299.00	1794.00
19	Stay wire 7/8 SWG	Kgs	90	0.00	0.00
20	G.I. Pipe 40 mm dia 6 mtr. Long for earthing	Nos	13	620.00	8060.00
21	Earthing with Earth rod as per Drawing	Nos	0	151.00	0.00
22	GSL 8 SWG	Mtrs	1000	1.12	1120.00
23	MS Nuts & Bolts	Kgs	10	0.00	0.00
24	Danger Plates (Enamelled) with clamp	Nos	13	0.00	0.00
25	Number Plates (Enamelled) with clamp	Nos	13	0.00	0.00
26	Phase plate for each phase set of 3	Set	3	0.00	0.00
27	Eye Screw Bolts 9"x5/8" Wt. 0.483 Kg.	Nos	0	0.00	0.00
28	Barbed Wire	Kgs	52	0.00	0.00
29	G.I. Strip 25x6 mm9 mtr. For earthing Wt. 10.80 Kg	Nos	7	0.00	0.00
30	Knee Bracing - MS Flat 50x6 1540 mm	Kgs	0	0.00	0.00
31	Disc fitting T & C Type	No.	21	11.00	231.00
32	GI Chanel 100x50(ISMC-100) for height	No	0	0.00	0.00
33	Catenary wire 7/14 SWG	Mtrs	0	1.62	0.00
34	Dismantlement of PCC Pole (for 11 mtr rate)	No	8	449.00	3592.00
35	Dismantlement of ACSR Conductor (for the size	Mtrs	1470	1.68	2469.60
Total					82387.70
Add 9.50% as per EOI-18					7826.83
Total (Erection)					90214.53

Civil Works

1	Civil Foundation of lattice Tower D/C Type	No.	10	9690	96900.00
2	Civil Foundation of M+5 Type Tower	No.	3	22749	68245.50
Total					165145.50
Add 10% on Civil works					16514.55
Total Civil					181660.05
Grand Total Erection + Civil					271874.58

Abstract	
Supply Amount	1606286.43
Erection Amount	271874.58
Total	1878161.01

Note: The dismantled material should be returned to Nigam Store

The prices of non schedule items will be as per rates finalized against EOI-18

5. EMPANELLED SUPPLIER:-

The material shall be supplied from the approved list of empanelled firms of Nigam for supply of various item used in 11.63 kV works / Turnkey/ Deposit works /self execution works

6. QUALITY ASSURANCE PLAN:-

The FIRM shall follow the Quality Assurance Plan of Nigam in which details regarding material quality assurance, quality assurance procedure, inspection requisition, procedure of conducting of inspection at firm's premises, sealing procedure for the inspected material, dispatch instructions and post Receipt Inspection / testing in DHBVN Stores, has been elaborated. Copy of Quality Assurance Plan of Nigam has been attached as annexure-A after Bill of Quantities (BOQ) for meticulous compliance by the bidder.

7. SIGNING OF CONTRACT:-

- a) At the same time as the DHBVN notifies the successful Bidder that its Bid has been accepted the DHBVN will send the Bidder the Contract Form incorporating all agreements between the parties.
- b) Within fifteen (15) days of the Notification of the Award the successful Bidder shall sign and date the Contract and return it to the Owner. In case the successful bidder fails to submit the Contract Agreements duly signed within 15 days from the date of issue of detailed contract, the payment will not be released till the bidder submits the Contract agreements and penalty @ 0.25% per week or a part thereof shall be deducted from their bill, subject to maximum 1% of Contract value.
- c) The final contract agreements shall be signed within 15 days from the date, the firm submits the final Contract Agreements in all respect.

8. TERMS OF PAYMENTS:-

a) Price component for material:

- 1) 50% payment of the cost of material including all the statutory levies, GST etc. will be made on receipt of material after verification at the project site/stores